# **ORIGINAL** City of San Diego

CONTRACTOR'S NAME: \_\_\_\_\_\_\_Southern Contracting Company ADDRESS: 559 N Twin Oaks Valley Road, San Marcos, CA 92069 TELEPHONE NO.: \_\_760-744-0760 ext. 626 FAX NO.: 760-744-6475 CITY CONTACT: \_\_Iuan E. Espindola - Contract Specialist, Email: IEEspindola@sandiego.gov Phone No. (619) 533-4491, Fax No. (619) 533-3633

Z. Barhoum/A. James/Lad

# CONTRACT DOCUMENTS





# **BLOCK 7G2 UUP**

BID NO.:	K-18-1691-DBB-3
SAP NO. (WBS/IO/CC):	B-15085/21003598
CLIENT DEPARTMENT:	2116
COUNCIL DISTRICT:	9
PROJECT TYPE;	HI, IJ

### THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- > THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- ➢ PREVAILING WAGE RATES: STATE ☑ FEDERAL □
- > APPRENTICESHIP

# **BID DUE DATE:**

2:00 PM APRIL 24, 2018 CITY OF SAN DIEGO PUBLIC WORKS CONTRACTS 525 B STREET, SUITE 750, MS 908A SAN DIEGO, CA 92101

DOCUMENT NO <u>R-311964</u> FILED <u>SEP 11 2018</u> OFFICE OF THE CITY CLERK SAN DIEGO, CALIFORNIA

# ORIGINAL

### **ENGINEER OF WORK**

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:

Shawn Hillers

1) Registered Engineer

3/8/18 Date

Seal:

Seal

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City Engineer

<u>3/12/20/8</u> Date



Block 7G2 UUP Bld No. K-18-1691-DBB-3

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	в.	INTENTIONALLY LEFT BLANK
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# NOTICE INVITING BIDS

- SUMMARY OF WORK: This is the City of San Diego's (City) solicitation process to acquire Construction services for **Biock 7G2 UUP.** For additional information refer to Attachment A.
- 2. FULL AND OPEN COMPETITION: This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's web site: <u>http://www.sandiego.gov</u>.
- **3. ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,896,000.**
- 4. BID DUE DATE AND TIME ARE: April 24, 2018, at 2:00 PM.
- 5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
- **6. LICENSE REQUIREMENT:** The City has determined that the following licensing classification(s) are required for this contract: **A or C10**
- 7. **SUBCONTRACTING PARTICIPATION PERCENTAGES**: Subcontracting participation percentages apply to this contract.
  - **7.1.** The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1.	SLBE participation	4.0%
2.	ELBE participation	6.0%
3.	Total mandatory participation	10.0%

- **7.2.** The Bid may be declared non-responsive if the Bidder fails the meet the following requirements:
  - **7.2.1.** Attend the Pre-Bid Meeting as described herein.
  - **7.2.2.** Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
  - **7.2.3.** Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach

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to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

#### 8. PRE-BID MEETING:

**8.1.** Prospective Bidders are **required** to attend the Pre-Bid Meeting. The purpose of the meeting is to discuss the scope of the Project, submittal requirements, the prequalification process and any Equal Opportunity Contracting Program requirements and reporting procedures. To request a sign language or oral interpreter for this visit, call the Public Works Contracts at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. Failure to attend the Mandatory Pre-Bid Meeting may result in the Bid being deemed non-responsive. The Pre-Bid meeting is scheduled as follows:

Date:	April 10, 2018
Time	10:00 AM
Location:	525 B Street, Suite 750 MS 908A (Conf 525B 7 Wada), San Diego
	CA 92101

Attendance at the Pre-Bid Meeting will be evidenced by the Bidder's representative's signature on the attendance roster. It is the responsibility of the Bidder's representative to complete and sign the attendance roster.

# Bidders may not be admitted after the specified start time of the mandatory Pre-Bid Meeting.

#### 9. AWARD PROCESS:

- **9.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- **9.2.** Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- **9.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- **9.4.** The low Bid will be determined by the Base Bid alone.
- **9.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.

#### **10.** SUBMISSION OF QUESTIONS:

- **10.1.** The Director (or Designee) of Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:
  - Public Works Contracts 525B Street, Suite 750, MS 908A San Diego, California, 92101 Attention: Juan E. Espindola

OR:

#### JEEspindola@sandiego.gov

- **10.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- **10.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- **10.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.

# INSTRUCTIONS TO BIDDERS

#### 1. **PREQUALIFICATION OF CONTRACTORS:**

**1.1.** Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

#### http://www.sandiego.gov/cip/bidopps/prequalification.shtml

- **1.2.** The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- **1.3.** Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on <u>PlanetBids</u><sup>™</sup>.
- 2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS: Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <u>http://www.sandiego.gov/cip/bidopps/index.shtml</u> and are due by the date, and time shown on the cover of this solicitation.
  - **2.1. BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit and electronic bid.
  - **2.2.** The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
  - **2.3.** The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.

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- 2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
- **2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME**. Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- **2.6. RECAPITULATION OF THE WORK**. Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.
  - 2.7.1. <u>Important Note</u>: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.
- **2.8.** ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE: To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

#### 3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

- **3.1.** The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- **3.2.** By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder

acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

- **3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- **3.4.** The Bidder agrees to the construction of the project as described in Attachment "A Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
- 4. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

#### 5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

**5.1. Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

#### http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml.

- **5.2.** The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
- **6. JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 7-6, "The Contractors Representative" in The GREENBOOK and 7-6.1 in The WHITEBOOK.
- 7. **PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.

**8. SUBCONTRACTING PARTICIPATION PERCENTAGES**: Subcontracting participation percentages apply to this contract. Refer to Attachment E.

#### 9. INSURANCE REQUIREMENTS:

- **9.1.** All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- **9.2.** Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.
- **10. REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number	
Standard Specifications for Public Works Construction ("The GREENBOOK") <u>http://www.greenbookspecs.org/</u>	2015	PWPI070116-01	
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2015	PWPI070116-02	
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2016	PWPI070116-03	
Citywide Computer Alded Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2016	PWPI092816-04	
California Department of Transportation (CALTRANS) Standard Specifications – <u>http://www.dot.ca.gov/des/oe/construction-contract-</u> standards.html	2015	PWPI092816-05	
CALTRANS Standard Plans       2015       PWPi092816-0         http://www.dot.ca.gov/des/oe/construction-contract-       standards.html       2015			
California Manual on Uniform Traffic Control Devices Revision 1 (CA MUTCD Rev 1) - http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPIO92816-07	
<b>NOTE:</b> *Available online under Engineering Doo http://www.sandiego.gov/publicworks/edocref/			

- **11. CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
- 12. CITY'S RIGHTS RESERVED: The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- **13. CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

### 14. SUBCONTRACTOR INFORMATION:

14.1. LISTING OF SUBCONTRACTORS. In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the NAME and ADDRESS of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR**, **CONSULTANT** or SUPPLIER. The Bidder shall state the DIR REGISTRATION NUMBER for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The DOLLAR VALUE of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

- 14.2. LISTING OF SUPPLIERS. Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the NAME, LOCATION (CITY), DIR REGISTRATION NUMBER and the DOLLAR VALUE of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- **14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- **15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.

#### 16. AWARD:

- **16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- **16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- **16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- **17. SUBCONTRACT LIMITATIONS**: The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- **18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <u>http://www.sandlego.gov/cip/</u>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.

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- **19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 20. SAN DIEGO BUSINESS TAX CERTIFICATE: The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.

# 21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:

- **21.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- **21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- **21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- **21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

#### 22. AWARD OF CONTRACT OR REJECTION OF BIDS:

- **22.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- **22.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- **22.3.** The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- **22.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- **22.5.** A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- **22.6.** The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- **22.7.** Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- **22.8.** The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

#### 23. BID RESULTS:

- **23.1.** The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- **23.2.** To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

#### 24. THE CONTRACT:

- **24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- **24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- **24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- **24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- **24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- **25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character,

quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.

- **26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
  - **26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
  - **26.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
  - **26.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
  - **26.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
  - **26.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
  - **26.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
  - **26.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

#### 27. PRE-AWARD ACTIVITIES:

- **27.1.** The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive.**
- **27.2.** The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

BOND NO. 106843917 PREMIUM: \$66,973.00 PREMIUM IS FOR CONTRACT TERM AND IS SUBJECT TO ADJUSTMENT BABED ON FINAL CONTRACT PRICE

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#### PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

#### FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

<u>Southern Contracting Company</u>, a corporation, as principal, and <u>TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA</u>, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of <u>Eight Million One Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight</u> <u>Cents (\$8,176,735,68)</u> for the faithful performance of the annexed contract, and in the sum of <u>Eight</u> <u>Million One Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight</u> <u>(\$8,176,735,68)</u> for the benefit of laborers and materialmen designated below.

#### **Conditions:**

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2. Claimants, (iii) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

17 | Page

#### PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated MAY 14, 2018

Approved as to Form

Approved:

SOUTHERN CONTRACTING COMPANY

Principal

PHILIP E. WATERMAN, PRESIDENT

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney By

indy Crocker

Interim Deputy Director Public Works Contracts TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Surety ۵ Bγ MARK D. IATAROLA, ATTORNEY-IN-FACT

MARK D. IATAROLA, ATTORNEY-IN-I Attorney-In-fact

21688 GATEWAY CENTRE DRIVE

Local Address of Surety

DIAMOND BAR, CA 91765 Local Address (City, State) of Surety

909/612-3647

Local Telephone No. of Surety

PREMIUM IS FOR CONTRACT TERM AND IS SUBJECT TO ADJUSTMENT BASED ON FINAL CONTRACT PRICE

Bond No. 106843917

Block 7G2 UUP Performance Bond, Labor and Materialmen's Bond (Rev. Jan. 2018) 18 | Page

#### **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

#### CIVIL CODE § 1189

IN IN THE INTERVIEW IN THE REPORT OF THE INFORMATION OF THE INFORMATIO

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Cal		}
County of		
On	5/14/2018	before me, HELEN E. WHEALDON, NOTARY PUBLIC
	Date	Here Insert Name and Title of the Officer
personally appeared		MARK D. IATAROLA
		Name/s) of Slaner(s)

who proved to me on the basis of satisfactory evidence to be the person(e) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(a) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

signature Helen E' Micaldin

Signature of Notary Public

Place Notary Seal and/or Stamp Above

- OPTIONAL ·

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document:

Document Date:

Signer(s) Other Than Named Above: \_\_\_\_

#### Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA Corporate Officer - Title(s):

🗆 Partner – 🗆 Limited 🗆 General

🛚 Attorney in Fact Individual Guardian of Conservator

 Trustee Other:

Partner –	Limited	General
Individual		Attorney
Trustee		Guardian

Signer's Name: \_

□ Attorney in Fact

Signer is Representing:

□ Corporate Officer – Title(s): \_\_\_

Guardian of Conservator

\_\_\_\_\_Number of Pages: \_\_\_\_\_

Other:

©2017 National Notary Association

Signer is Representing:

TRAVELERS	
	_

#### Travelers Casualty and Surety Company of America Travelers Casualty and Surety Company St. Paul Fire and Marine Insurance Company

#### POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Mark D. Iatarota, of Escondido, California, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 3rd day of February, 2017.



State of Connecticut

City of Hartford ss.

By: Robert L. Raney, Sentor Vice President

On this the 3rd day of February, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



marie & Setreauert Marie C. Tetreault, Notary Public

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This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casuality and Surety Company of America, Travelers Casuality and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 14TH



Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880. Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.

#### **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

#### CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document,

State of Callfornia	)
County of <u>San Diego</u>	
On 05/14/2018	_ before me,Lynn R. Murison-Eroles, Notary Public
Date	Here Insert Name and Title of the Officer
personally appeared	Philip E. Waterman

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(x) whose name(x) is/are subscribed to the within instrument and acknowledged to me that he/sky/kkyy executed the same in or the entity upon behalf of which the person(s) acted, executed the instrument.

> I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand, and official seal.

on-tholow Signature Signature of Notary Public

Place Notary Seal Above

LYNN R. MURISON-EROLES **Notary Public - California** 

San Diego County

Commission # 2154669

ly Comm. Expires Jun 22, 2020

**OPTIONAL** ' Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document           Title or Type of Document:         Performance Bond, Labo           Number of Pages:         2           Signer(s) Other Than	n Named Above:
Capacity(ies) Claimed by Signer(s)         Signer's Name:       Philip E. Waterman         Ø Corporate Officer – Title(s):       President         Partner –       Limited       General         Individual       Attorney in Fact         Trustee       Guardian or Conservator         Other:	
Signer Is Representing:	Signer Is Representing:

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# ATTACHMENTS

# ATTACHMENT A

# **SCOPE OF WORK**

## SCOPE OF WORK

SCOPE OF WORK: The project consists of converting overhead (OH) utilities into underground 1. (UG) utilities in the Rolando Residential Block 7G2 (Block 7G2) in the City of San Diego. The undergrounded utilities include SDG&E power, COX Cable, AT&T telecommunication, along with City's streetlights in the City right of way and in private properties. This project will also consist of curb ramp installation, and all other work and appurtenances necessary to complete the work for Block 7G2 of the Underground Utilities Program. The Contractor shall provide all management, documentations, labor, materials, services and equipment needed to perform the Work. The Contractor shall provide SDG&E and streetlight conduits and all other utility companies will provide their own conduits. The Contractor shall install streetlight conduits and utility conduits for all utility companies with pull ropes and labeled appropriately per trench and conduit plans for streetlights and utility companies. The Contractor shall provide and install all equipment pads and sub-structures as indicated on the plans. Cable shall be provided and installed for streetlights and from the meter to the first demarcation point for SDG&E ONLY where SDG&E shall make the service connection, via Meyer's adapter, splice can, loop and bond, extended loop and bond or direct connect. All other cabling work will be conducted by individual utility companies.

#### **Private Work**

The work in private property consists of trench and conduit from property line to meter location in preparation of undergrounding conversion. The Work will involve preparing the electrical panel to accept the undergrounding system in accordance to SDG&E Plans and Specifications, and National Electrical Code (NEC).

#### Streetlight Work

The Work involves furnishing labor, material and construction for the installation of street lights as indicated on the Block 7G2 Streetlight and Cable plan. The Work will include but not limited installation to conductors, pull boxes, street lights poles, street light fixtures, fuses and ground rods.

#### **Ramp Work**

The Work involves furnishing labor, material and construction for the work as indicated on the Block 7G2 Curb Ramp Plan. The work consists of curb ramp installations, repairs and replacement of concrete pavement, curb and gutter or sidewalk.

- **1.1.** The Work shall be performed in accordance with:
  - 1.1.1UTILITIES UNDERGOUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK7G2 CONSOLIDATED DRAWINGS 39685 -1-D through39685 -23-D, inclusive.
  - 1.1.2 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT SDG&E PROJECT NUMBER 253568-010, CONSTRUCTION ORDER No. 2960700, Sheets 1-19, inclusive.

- 1.1.3 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT. AT&T JOB NUMBER A00CA7W, Sheets 1-29, inclusive.
- 1.1.4 ROLANDO BLK 7G2 20SD CONVERSION, Cox project number 42005160000RES0075, Sheets 1-14, inclusive.
- 1.1.5 CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 STREETLIGHT TRENCH AND CONDUIT, 38631-1-D through 38631-18-D
- 1.1.6 CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS, Drawings 38632-1-D through 38632-28-D, inclusive.
- **1.2.** Additional SDG&E Plans are included for coordination. See Technical Specifications Section 01015 Document Coordination.
- 2. LOCATION OF WORK: See Appendix E Location Map.
- **3. CONTRACT TIME:** The Contract duration will be a total of **1,040 Working Days** with the following sequence of work:
  - **3.1. First NTP** will be issued for Trench and Conduit construction. The Contractor shall finish all trench and conduit installations per plan in **390 Working Days** and demobilize from the job site.
  - **3.2. Utility Moratorium** period of **260 Working Days.** SDG&E and communication companies completing their cabling work, there will be NO work for the Contractor during this period.
  - **3.3. Second NTP** will be issued for CIP and Cutover construction once the cabling is completed. The Contractor shall remobilize to the site and finish all CIP and cutover job per plan in **390 Working Days**

# ATTACHMENT B

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Block 7G2 UUP Attachment B – Intentionally Left Blank

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# ATTACHMENT C

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# ATTACHMENT D

# **PREVAILING WAGES**

Block 7G2 UUP Attachment D - Prevailing Wages (Rev. Dec. 2017)

#### PREVAILING WAGES

- 1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
  - **1.1. Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
    - **1.1.1.** Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <u>http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm</u>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
    - **1.1.2.** The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
  - **1.2. Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 1861.

- **1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
  - **1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- **1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- **1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections1810 through 1815.
- **1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- **1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- **1.8.** Labor Compliance Program. The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.

- **1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5 It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
  - **1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
  - **1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- **1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- **1.11. List of all Subcontractors.** The City may ask Contractor for the most current list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Agreement at any time during performance of this contract, and Contractor shall provide the list within ten (10) working days of the City's request. Additionally, Contractor shall provide the City with a complete list of all subcontractors utilized on this contract (regardless of tier), within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Contractor until at least 30 days after this information is provided to the City.
- **1.12. Exemptions for Small Projects.** There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

- **1.12.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1
- **1.12.2.** Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).
- **1.12.3.** List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

# ATTACHMENT E

# SUPPLEMENTARY SPECIAL PROVISIONS

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# SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

- 1. The **2015 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
- 2. The **2015 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
  - a) General Provisions (A) for all Contracts.

SECTION 1 - TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2

**TERMS AND DEFINITIONS.** To the "WHITEBOOK", item 54, "Normal Working Hours", ADD the following:

The Normal Working Hours are 7:00 AM to 5:00 PM.

#### SECTION 2 - SCOPE AND CONTROL OF WORK

- **2-3.2 Self Performance.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:
  - 1. You shall perform, with your own organization, Contract Work amounting to at least 30% of the base Bid **AND** 30% of any alternates.
- **2-5.3.4 Supporting Information.** To the "WHITEBOOK", ADD the following:
  - 2. For landscaping and irrigation materials, submit samples and test results to the Engineer within 15 Days of the NTP.
- 2-7 SUBSURFACE DATA. To the "WHITEBOOK", ADD the following:
  - 4. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:
    - a) Block 7G2 Undergrounding Geotechnical Report
    - b) Soils Report and DBL Sheets

5. The reports listed above are included in the Technical Specifications.

ADD:

**2-10 AUTHORITY OF THE BOARD AND THE ENGINEER.** To the "GREENBOOK", Paragraph (2), DELETE in its entirety and SUBSTITUTE with the following:

The decision of the Engineer is final and binding on all questions relating to: quantities; acceptability of material, equipment, or work; execution, progress or sequence of work; requests for information (RFI), and interpretation of the Plans, Specifications, or other Contract Documents. This shall be precedent to any payment under the Contract. The Engineer shall be the single point of contact and shall be included in all communications.

**2-16 CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM.** To the "WHITEBOOK", item 1, DELETE in its entirety.

#### SECTION 3 – CHANGES IN WORK

**3-5.1 Claims.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

ADD:

#### 3-5.1 Claims.

- 1. A Claim is a written demand by you that seeks an adjustment in the Contract Price, Contract Time, or other relief associated with a dispute arising under or relating to the Contract, including a breach of any provision thereof. A voucher, invoice, or other routine request for payment is not a Claim.
- 2. A Claim shall conform to these specifications and may be considered after the City has previously denied a request by you for a Change Order seeking the demanded relief.
- 3. You shall submit a Claim to the Engineer if a dispute occurs that arises from or relates to the Contract. The Claim shall seek all relief to which you assert you are entitled as a result of the event(s) giving rise to the dispute. Your failure to process a Claim in accordance with these specifications shall constitute a waiver of all relief associated with the dispute. Claims are subject to 6-11, "Right to Audit".
- 4. You shall continue to perform the Services and Work and shall maintain the Schedule during any dispute proceedings. The Engineer will continue to make payments for undisputed Services and Work.
- 5. The City's Claims process specified herein shall not relieve you of your statutory obligations to present claims prior to any action under the California Government Code.

#### 3-5.1.1 Initiation of Claim.

- 1. You shall promptly, but no later than 30 Days after the event(s) giving rise to the Claim, deliver the Claim to the Engineer.
- 2. You shall not process a Claim unless the Engineer has previously denied a request by you for a Change Order that sought the relief to be pursued in the claim.

#### 3-5.1.1.1 Claim Certification Submittal.

- 1. If your Claim seeks an increase in the Contract Price, the Contract Time, or both, submit with the Claim an affidavit certifying the following:
  - a) The Claim is made in good faith and covers all costs and delays to which you are entitled as a result of the event(s) giving rise to the Claim.
  - b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.
  - c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.
  - d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

#### 3-5.1.2 Initial Determination.

1. The Engineer will respond in writing to your Claim within 30 Days of receipt of the Claim.

#### 3-5.1.3 Settlement Meeting.

If you disagree with the Initial Determination, you shall request a Settlement Meeting within 30 Days. Upon receipt of this request, the Engineer will schedule the Settlement Meeting within 15 Working Days.

#### 3-5.1.7 City's Final Determination.

- 1. If a settle agreement is not reached, the City shall make a written Final Determination within 10 Working Days after the Settlement Meeting.
- If you disagree with the City's Final Determination, notify the Engineer in writing of your objection within 15 Working Days after receipt of the written determination and file a "Request for Mediation" in accordance with 3-5.2, "Dispute Resolution Process".
- 3. Failure to give notice of objection within the 15 Working Days period shall waive your right to pursue the Claim.
#### 3-5.1.5 Mandatory Assistance.

- 1. If a third party dispute, litigation, or both arises out of or relates in any way to the Services provided under the Contract, upon the City's request, you shall agree to assist in resolving the dispute or litigation. Your assistance includes, but is not limited to the following:
  - a) Providing professional consultations.
  - b) Attending mediations, arbitrations, depositions, trials, or any event related to the dispute resolution and litigation.

#### **3-5.1.5.1 Compensation for Mandatory Assistance.**

- 1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.8, "Mandatory Assistance" as Extra Work.
- 2. The Engineer will determine whether these fees and expenses were necessary due to your conduct or failure to act.
- 3. If the Engineer determines that the basis of the dispute or litigation in which these fees and expenses were incurred were the result of your conduct or your failure to act in part or in whole, you shall reimburse the City for any payments made for these fees and expenses.
- 4. Reimbursement may be through any legal means necessary, including the City's withholding of your payment.

## **3-5.2.3 Selection of Mediator.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

- 1. A single mediator, knowledgeable in construction aspects and acceptable to both parties, shall be used to mediate the dispute.
- 2. To initiate mediation, the initiating party shall serve a Request for Mediation at the American Arbitration Association (AAA) on the opposing party.
- 3. If AAA is used, the initiating party shall concurrently file with AAA a "Request for Mediation" along with the appropriate fees, a copy of requested mediators marked in preference order, and a preference for available dates.
- 4. If AAA is selected to coordinate the mediation (Administrator), within 10 Working Days from the receipt of the initiating party's Request for Mediation, the opposing party shall file the following:
  - a) A copy of the list of the preferred mediators listed in preference order after striking any mediators to which they have any objection.
  - b) A preference for available dates.
  - c) Appropriate fees.

- 5. If the parties cannot agree on a mediator, then each party shall select a mediator and those mediators shall select the neutral third party to mediate the matter.
- **3-5.3 Forum of Litigation.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:
  - 1. It is the express intention that all legal actions and proceedings related to the Contract or Agreement with the City or to any rights or any relationship between the parties arising therefrom shall be solely and exclusively initiated and maintained in courts of the State of California for the County of San Diego.

#### SECTION 4 - CONTROL OF MATERIALS

- **4-1.3.5 Special Inspection**. To the "WHITEBOOK", ADD the following:
  - 5. The payment for special inspection Work specified under this section shall be paid in accordance with 4-1.3.4.1, "Payment".
- **4-1.3.6 Preapproved Materials.** To the "WHITEBOOK", ADD the following:
  - 3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.
  - 4. All bid items designated with an asterisk next to them must be constructed with materials that have a SDG&E stock number. If materials are to be used that are not on the SDG&E AML, they must be submitted to SDG&E for review in order to obtain a SDG&E stock number.
- **4-1.6 Trade Names or Equals.** To the "WHITEBOOK", ADD the following:
  - You shall submit your list of proposed substitutions for an "equal" item no less than 15 Working Days prior to the Bid due date and on the City's Product Submittal Form available at:

http://www.sandiego.gov/publicworks/edocref/index.shtml

#### **SECTION 5 – UTILITIES**

- 5-2 **PROTECTION.** To the "WHITEBOOK", item 2, ADD the following:
  - g) Refer to Appendix **"G"** for more information on the protection of AMI devices.
- **5-6 COOPERATION.** To the "GREENBOOK", **ADD the following:** 
  - 1. Notify SDG&E at least **40** Working Days prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).

ADD:

#### 5-8 UNDERGROUND UTILITY CONVERSION WORK.

- 1. See Technical Specifications for requirements.
- 2. Service laterals are to be installed using trenchless technology (directional boring). Hand digging may be required around existing utilities when crossing mains, laterals, and substructures. Where trenchless technology is not feasible, open cut trenching will be authorized by the City Resident Engineer.

#### 5-8.1 Payment.

- 1. The payment for R/W Joint Trench Conduits Installation work including: all labor and materials for trenching, all conduit (except Communication Companies will provide their own conduit for Contractor to install), backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, AT&T, COX, and the City, shall be included in the bid item "R/W Joint Trench Conduits Installation"
- 2. The payment for R/W Communication Only Conduits Installation including: all labor and materials for trenching, all conduit (except Communication Companies will provide their own conduit for Contractor to install), backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for AT&T and COX, shall be included in the bid item "R/W Communication Only Conduits Installation"
- 3. The payment for SDGE Substructure and Installation includes all SDG&E substructure installation work including: all labor and materials for SDG&E substructure installation such as vaults, manholes, handholes, pull boxes, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, shall be included in the bid item "SDGE Substructure and Installation"
- 4. The payment for SDGE Equipment Pad and Installation includes furnishing all SDG&E equipment pad installation work including: all labor and materials for SDG&E equipment pad installation such as pad installations, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, shall be included in the bid item "SDGE Equipment Pad and Installation"
- 5. The payment for Communication Substructure Installation including: all labor and materials for Communication substructure installation such as vaults, manholes, handholes, pull boxes, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract

Documents (Plans and Specs) for AT&T and COX, shall be included in the bid item "Communication Substructure Installation"

The payment for Private Property Conversion Work including: Customer service trenching and conduit work (service laterals) from the City Right of Way to customer's meter panel including all labor and materials for trenching in all soil types, all conduit (except Communication Companies will provide their own conduit for Contractor to install), pull boxes, junction boxes, pull cans, backfill, and repairs per City standards within the City Right of Way and customer's property. This includes any work needed to complete the work on all property types including, but is not limited to, residential, commercial, multi-dwelling, and retail properties of any size.

Any portion of properties effected by the work must be restored to preconstruction condition. This includes the restoration or replacement of existing;

- Walls, retaining and non-retaining
- Fencing, any material

6.

- Handrails, any material
- Gravel, decorative and non-decorative
- Rocks, decorative and non-decorative
- Soil and Sands, decorative and non-decorative
- Pavers and Bricks
- Landscaping, native and non-native.
- Irrigation system and its components
- Planter boxes, any size
- Trees and Shrubs, native or non-native
- Lights and light posts
- Stairs, any material
- Driveways, decorative and non-decorative
- Walkways and sidewalk, decorative and non-decorative
- Curbs
- Asphalt pavement, and appurtenances per the Contract Documents.

Customer paneling (Direct Connect, Meter Adapter, Loop & Bond, and Extended Loop and Bond) and grounding. Includes all labor and materials, including the installation of electrical cable from SDG&E first demarcation point to the customer meter, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E.

All labor and materials for permits and appurtenances for inspecting panel installations.

All labor and materials for public notifications, service customers' door hangers, public meetings, and appurtenances shall be included in the bid item "Private Property Conversion Work" 7. The payment for Joint Meet and Cutover includes all labor and material for coordination with SDG&E and the City, splicing, and installing final customer service connections, and appurtenances per the Contract Documents (Plans and Specs), shall be included in the bid item "Joint Meet and Cutover"

#### SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

**6-1.2.1 Construction Phasing.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

#### Work Sequence.

#### A. Trench and Conduit (Contractor on Site) - 390 Working Days

Work shall consist of all trench and conduit installation work for both public and private properties, The Contractor will need to demobilize once SDG&E has provided the Resident Engineer with the Final Acceptance letter of the Work.

# B. Utility Moratorium (SDG&E/Communication Work) - 260 Working Days

No work will be done by The Contractor during this utility moratorium. SDG&E and communication companies will provide the City with 40 working days' notice before completion of this Work so that the City can notify The Contractor to prepare to remobilize.

#### C. CIP Work and Cutovers (Contractor on Site) - 390 Working Days

The Contractor shall not proceed with scheduled Work unless the City has issued a separate NTP to remobilize. The Contractor shall be available for customer cut overs, along with beginning the installation of street lights and curb ramps. Any curb ramps or street lights in conflict with existing utility poles/lines will be installed once utility poles/lines are removed by responsible utility company.

#### ADD:

#### 6-3.2.1.1 Environmental Document.

1. The City of San Diego, has prepared a **Notice of Exemption** for **FY 2012 Underground Utility District, Project Location- Specific: Residential Block, 7G2**, (Block 7G2 UUP) **Project No. 299805** (B-15085/IO 21003598) as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**. 2. Compliance with the City's environmental document shall be included in the Contract Price.

#### SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

**7-3 INSURANCE.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

#### 7-3 INSURANCE.

1. The insurance provisions herein shall not be construed to limit your indemnity obligations contained in the Contract.

#### 7-3.1 Policies and Procedures.

- 1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
- 2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
- 3. You shall maintain this Insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
- 4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
- 5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

#### 7-3.2 Types of Insurance.

#### 7-3.2.1 Commercial General Liability Insurance.

- 1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
- 2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
- 3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
- 4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

General Annual Aggregate Limit	gregate Limit Limits of Liability	
Other than Products/Completed Operations	\$2,000,000	
Products/Completed Operations Aggregate Limit	\$2,000,000	
Personal Injury Limit	\$1,000,000	
Each Occurrence	\$1,000,000	

#### 7-3.2.2 Commercial Automobile Liability Insurance.

- 1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
- 2. All costs of defense shall be outside the limits of the policy.
- **7-3.3 Rating Requirements.** Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

**7-3.3.1 Non-Admitted Carriers.** The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers shall be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

**7-3.4 Evidence of Insurance.** Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

#### 7-3.5 Policy Endorsements.

#### 7-3.5.1 Commercial General Liability Insurance.

#### 7-3.5.1.1 Additional Insured.

- 1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
- 2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- 3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
  - a) Ongoing operations performed by you or on your behalf,
  - b) your products,
  - c) your Work, e.g., your completed operations performed by you or on your behalf, or
  - d) premises owned, leased, controlled, or used by you.
- 4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
  - a) Ongoing operations performed by you or on your behalf,
  - b) your products, or
  - c) premises owned, leased, controlled, or used by you.
- **7-3.5.1.2 Primary and Non-Contributory Coverage.** The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and

representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

**7-3.5.1.3 Project General Aggregate Limit.** The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

#### 7-3.5.2 Commercial Automobile Liability Insurance.

- **7-3.5.2.1** Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.
- **7-3.6 Deductibles and Self-Insured Retentions.** You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.
- **7-3.7 Reservation of Rights.** The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.
- **7-3.8** Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.
- **7-3.9 Excess insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.
- 7-3.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).
  - 1. For Contracts with required engineering services (e.g., <u>Design-Build</u>, preparation of engineered Traffic Control Plans (TCP), and etc) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.

- 2. You shall ensure the following:
  - a) The policy retroactive date is on or before the date of commencement of the Project.
  - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.
- 3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
  - a) Certify this to the City in writing and
  - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.
- **7-4 NOT USED.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

# 7-4 WORKERS' COMPENSATION INSURANCE AND EMPLOYERS LIABILITY INSURANCE.

- 1. In accordance with the provisions of §3700 of the California Labor Code, you shall provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.
- 2. Limits for this insurance shall be not less than the following:

Workers' Compensation	Statutory Employers Liability
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of \$3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you shall comply with such provisions before commencing the Work as required by \$1861 of the California Labor Code.

- **7-4.1. Waiver of Subrogation.** The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.
- **7-8.6** Water Pollution Control. To the "WHITEBOOK", ADD the following:
  - 6. Based on a preliminary assessment by the City, this Contract is subject to SWPPP.
- **7-17 NEWSLETTER**. To the "WHITEBOOK", ADD the following:
  - 2. You shall provide the following information:
    - a) Active Work Blocks
    - b) Block Work Sequence and Timeline
    - c) Percent Completion

ADD:

- 7-16.1.3 Weekly Updates Recipients.
  - 1. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:

Dayue Zhang, Senior Engineer, DZhang@sandiego.gov

Zach Barhoumi, Project Engineer, BarhoumiZ@sandiego.gov

Resident Engineer, TBA, XXX@sandiego.gov

#### **7-16.3 Exclusive Community Liaison Services**. To the "WHITEBOOK", ADD the following:

2. You shall retain an Exclusive Community Liaison for the Project that shall implement Work in accordance with the specifications described in 7-16.2 "Community Outreach Services" and 7-16.3 "Exclusive Community Liaison Services".

#### **7-20 ELECTRONIC COMMUNICATION.** To the "WHITEBOOK", ADD the following:

- 2. Virtual Project Manager shall be used on this Contract.
- **7-21.1 General.** To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. During the construction phase of projects, the minimum waste management reduction goal is 90% of the inert material (a material not subject to decomposition such as concrete, asphalt, brick, rock, block, dirt, metal, glass, and etc.) and 65% of the remaining project waste. You shall provide appropriate documentation, including a Waste Management Form attached as an appendix, and evidence of recycling and reuse of materials to meet the waste reduction goals specified.

#### SECTION 9 - MEASUREMENT AND PAYMENT

ADD:

#### **9-3.4. Mobilization.** To the "WHITEBOOK", ADD the following:

- 3. There will be two phases of Mobilization:
  - a. After all trench work has been completed and accepted by the City, you shall demobilize.
  - b. Once the City Resident Engineer receives confirmation from SDG&E that the cabling phase of work has been completed by SDG&E, you shall remobilize to complete remaining Work.
- **9-3.4.1 Payment.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE the following:
  - 1. The Bid item for "Mobilization", shall be payment for the first mobilization Work and shall be distributed equally over the first 2 progress payments up to the bid amount of the "Mobilization" Bid item.
  - 2. The complete dismantling and removal of all of your properties, temporary facilities, equipment, materials, construction wastes, and personnel at the Site referred to as demobilization is included in the payment for mobilization.
  - 3. The Bid item for "Mobilization II" shall be payment for the second mobilization Work shall be distributed equally over the 2 progress payments after the second mobilization up to the bid amount of the "Mobilization II" Bid item.
  - 4. The Bid items for "Mobilization" and "Mobilization II" shall not exceed 3% of the Contract Price. If the Bid items for mobilization Work exceeds 3% of the Contract Price, any such differential amount up to the bid amount, shall be paid as a part of the Final Payment.

9-3.7

**Compensation Adjustments for Price Index Fluctuations.** To the "WHITEBOOK" ADD the following: 5. This Contract **is not** subject to the provisions of The "WHITEBOOK" for Compensation Adjustments for Price Index Fluctuations for paving asphalt.

#### SECTION 217 - BEDDING AMD BACKFILL MATERIALS

- **217-2 General** To the "GREENBOOK" ADD the following:
  - 1. All backfill for the bid item "R/W Joint Trench Conduits Installation" shall follow City of San Diego standard drawing SDG-119 Type H backfill.

#### **SECTION 700 – MATERIALS**

- **700-9.1 Pedestrian Barricade.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:
  - 1. Pedestrian barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDE-103, "Pedestrian Barricade".
  - 2. Curb ramp barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDG-140, "Curb Ramp Barricade".
  - 3. Assembly shall be commercial quality galvanized material.

#### SECTION 701 – CONSTRUCTION

- **701-2 PAYMENT.** To the "WHITEBOOK", ADD the following:
  - 19. The Payment for furnishing and installing a luminaire and adaptive control node onto a traffic signal or street light pole's luminaire mast arm, and furnishing and installing the wiring, splicing, and grounding of the luminaire back to the pull box adjacent to the pole, shall be included in the following Bid items:
    - a) "Type Y-MID LED Luminaire with Adaptive Control"
    - b) "Type Y-INT LED Luminaire with Adaptive Control"
    - c) "Type X LED Luminaire with Adaptive Control"
  - 20. The payment for furnishing and installing (1) the pole foundation and base plate, (2) the conduit from the adjacent pull box into the pole foundation, (3) the signal or street light pole, and (4) the luminaire mast arm, shall be included in the following bid item, "Direct Burial Concrete Street Light Pole with Mast Arm"
  - 21. The payment for trenching, furnishing, and installing of electrical conduits, pull ropes, conductors and pavement restoration of and adjacent to the trench shall be included in the following bid item, "2-Inch PVC Conduit per City Standards w/#10 Conductor"

- 22. The payment for furnishing, and installing HEX-AA Double-Pole Street Light Fuseholder, Fuse and Ground Rod to streetlight circuit shall be paid for in the bid item "30 AMP Fuses, Cartridges, and Ground Rod"
- 23. The payment for furnishing, and installing HEB-AA Single-Pole Street Light Fuseholder and Fuse to streetlight circuit shall be paid for in the bid item "10 AMP Fuses and Cartridges at Street Light"
- 24. The payment for furnishing and installing of pull boxes and lids, shall be included in the following Bid item, "No. 3 1/2 Pull Box"

#### EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP) SECTION A – GENERAL REQUIREMENTS

**Nondiscrimination in Contracting Ordinance.** To the "WHITEBOOK", subsection 4.1.1, paragraph (2), sentence (1), DELETE in its entirety and SUBSTITUTE with the following:

You shall not discriminate on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers.

#### END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

4.1

### **TECHNICAL SECIFICATIONS**

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#### **VOLUME I – TECHNICAL SPECIFICATIONS**

#### **DIVISION 01 – GENERAL REQUIREMENTS**

01010	Summary of Work1-	-3
	Document Coordination1-	
01610	Sequence of Work1-	-2

#### **VOLUME II – UTILTY DESIGN STANDARDS (1 of 3)**

- 1. SDG&E Electric Distribution Design Manual
- 2. SDG&E Electric Service Standards & Guide Manual

#### **VOLUME III – UTILTIY DESIGN STANDARDS (2 of 3)**

1. SDG&E Overhead Construction Standards

#### **VOLUME IV – UTILITY DESIGN STANDARDS (3 of 3)**

- 1. SDG&E Underground Construction Standards
- 2. AT&T Communications Specifications, Standards and Details
- 3. Cox Communications Specifications, Standards and Details

#### **VOLUME V – GEOTECHNICAL REPORT & SDG&E DBL DATABASE**

- 1. Report of Geotechnical Investigation Block 7G2 Utilities Undergrounding Program City of San Diego
- 2. Design By Location (DBL) Database for SDG&E Utilities
- 3. Service Worksheet for SDG&E Utilities

#### **VOLUME VI – CONTRACT DRAWING SETS**

- 1. UTILITIES UNDERGOUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK 7G2 CONSOLIDATED DRAWINGS
  - a. City of San Diego project number 39685-D.
- 2. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT (19 sheets)
  - a. SDG&E project number 253568-010, Construction Order No. 2960700

#### VOLUME VI - CONTRACT DRAWING SETS (continued)

- 3. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. ONELINE DIAGRAM (4 sheets)
  - a. SDG&E project number 253568-050, Construction Order No. 2434902 The reference drawings listed above are available for review by visiting: https:// filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx
- 4. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. C&C (15 sheets)
  - a. SDG&E project number 253568-050, Construction Order No. 2434902
    The reference drawings listed above are available for review by visiting: https:// filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx
- 5. 20SD DISTRICT 7 BLOCK 7G2-OH RFS (4 sheets)
  - a. SDG&E project number 253568-090, Construction Order No. 2434960 The reference drawings listed above are available for review by visiting: https:// filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx
- 6. 20SD DISTRICT 7 BLOCK 7G2-OH CP (1 sheet)
  - a. SDG&E project number 253568-030, Construction Order No. 2434900 The reference drawings listed above are available for review by visiting: https:// filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx
- 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT (29 sheets)
  - a. AT&T job number A00CA7W
- 8. ROLANDO BLK 7G2 20SD CONVERSION (14 sheets)
  - a. Cox project number 42005160000RES0075.
- 9. CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 STREETLIGHT TRENCH AND CONDUIT (18 sheets)
  - a. City project number 38631
- 10. CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS (28 sheets)
  - a. City project number 38632

#### \*\* END OF TABLE OF CONTENTS \*\*

#### **VOLUME I – TECHNICAL SPECIFICATIONS**

#### SECTION 01010 – SUMMARY OF WORK

#### PART 1 - GENERAL

#### 1.1 GENERAL

- A. The WORK consists of furnishing all materials, equipment, tools, labor, and incidentals as required and intended by the Plans, Specifications, and Contract Documents to convert the existing overhead (OH) utilities into underground (UG) utilities in the Residential Block 7G2 (Block 7G2) in the City of San Diego. These utilities include, but are not limited to, City street lighting, SDG&E power, COX cable, and AT&T telecommunication.
- B. The CONTRACTOR shall provide and install all conduits (Communication Companies will provide their own conduits for the CONTRACTOR to install), pads, pull boxes, hand holes etc. as indicated on the plans. Cable shall ONLY be provided and installed at home owners' properties from the meter to SDG&E's first demarcation point via Meyers adapters, loop and bond, extended loop and bond, or direct connect. At all locations buried conduits shall be installed by the CONTRACTOR with pull ropes ONLY (with labels as appropriate) and cabling will be installed by the respective utility owners.
- C. The new underground conduits shall be placed into "Joint Trenches" and "Service Trenches" throughout Block 7G2. These combined utility trenches will be installed in accordance with the applicable SDG&E standards. Surface restoration and CIP improvements shall be performed in accordance with City of San Diego standards.

At all locations possible, and as shown in the consolidated drawing set, joint trenches and joint service trenches shall be used as the first choice.

- D. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK;
  - 1. Section 01015 Document Coordination
  - 2. Section 01610 Sequence of Work

#### **1.2 WORK COVERED BY CONTRACT**

- A. The WORK of this contract includes, but is not limited to, demolition, excavation, construction, installation, and testing to:
  - 1. Provide underground conduits (dry, with pull-ropes and labeled appropriately):
    - a. San Diego Gas & Electric (Furnish Approved Materials & Install)
    - b. Cox Communications (Install Utility Provided Material)
    - c. AT&T Communications (Install Utility Provided Material)
  - 2. Provide underground conduits and cables to replace OH lines for:
    - a. City of San Diego street lights
  - 3. Provide new street lights including poles, light fixtures, and other equipment as required for a complete and functional lighting system.
  - 4. Provide pull ropes, with labels, in ALL conduits installed under this project.
  - 5. Provide all hand holes, pull boxes, vaults, and other substructures as noted.

- 6. Provide transformer pads and other utility pads as noted.
- 7. Provide Cox and AT&T service connections (stub ups) in locations acceptable to and coordinated with Cox and AT&T, as appropriate.
  - a. Cox and AT&T will provide and install their own service pedestals.
- 8. Provide service connections to residential homes, apartments, businesses, and others, including connection and installation of adapters, loop and bond, direct connect, junction boxes, pull cans, EMT conduit, or other as indicated. All service cabling indicated between SDG&E's first demarcation point and meter panel shall be provided and installed by the CONTRACTOR.
- 9. Provide curbs and ramps compliant with the standards of the Americans with Disabilities Act (ADA).
- B. Due to the intrusive nature of the work within residential areas, an Exclusive Community Liaison shall be provided by the CONTRACTOR; refer to WHITEBOOK section 7-16.3.
- C. The CONTRACTOR shall bear full responsibility for the accuracy of all conduit installations in accordance with the appropriate standards and details. The CONTRACTOR shall bear responsibility for correcting work which is installed in way that results in added costs to any agency, stakeholder, or other encountered during proceeding work following the completion of WORK under this contract for 1 Year after the final acceptance issued by SDG&E.
- D. The CONTRACTOR shall bear responsibility for providing all required and implied items as necessary to complete the work. Those costs for incidentals not explicitly stated within the documents, but required to complete the WORK, shall be incorporated into the bid and no extra monies shall be awarded during or after construction.
- E. The City Resident Engineer is the Single Point of Contact for the Work. Any costs resulting from work performed that was directed by San Diego Gas & Electric, Cox Communications, AT&T Communications, their inspectors, or other personnel will not be compensated unless said work was approved by the City Resident Engineer prior to the work commencing.

#### **1.3 WORK BY OTHERS**

- A. The CONTRACTOR's attention is directed to the fact that certain items of work associated with the project will be performed by others. The accuracy and quality control of the CONTRACTOR's work will have direct impacts on the abilities of others to perform work as follows:
  - 1. The following stakeholders shall provide all materials, equipment, tools, labor, and incidentals as required and intended to install cables within the conduits installed by the CONTRACTOR by the Plans, Specifications, and Contract Documents under this project:
    - a. San Diego Gas & Electric (Up to the first demarcation point on private properties)
    - b. Cox Communications
    - c. AT&T Communications
  - 2. SDG&E shall provide all materials, equipment, tools, labor, and incidentals as required and intended by the Plans, Specifications, and Contract Documents to install SDG&E owned transformers and other equipment as noted.
  - 3. SDG&E shall provide all materials, equipment, tools, labor, and incidentals as required

and intended by the Plans, Specifications, and contract documents to remove all portions of OH service lateral cables from the residential service connections to the primary boundary cable poles.

#### 1.4 USE OF THE CONTRACT DRAWINGS

A. These contract drawings are intended to provide the CONTRACTOR with a consolidated and simplified overview of the total project work and details. These drawings were assembled in good faith based on information provided by SDG&E, COX, AT&T, and the City of San Diego ("utility drawings"). As such, information regarding specific details as related to each agency's scope of work (including but not limited to items such as conduit size, material type, quantity, ADA curb ramp design, street light design, etc.) may be found within the appropriate utility provider/agency's drawing set specific to those aspects of the WORK. Such information found within drawings specific to a particular portion of the work shall take precedence over the information found within the Consolidated Contract Drawing set.

Furthermore, construction notes found within each set of utility drawings are therefore incorporated as part of this project. However, not all notes specific to each unique portion of the work from each set of utility drawings may be shown in the consolidated drawing set. The CONTRACTOR shall carefully review all notes on all drawing sets and bear responsibility for providing a complete and accurate finished product.

- B. The CONTRACTOR shall understand that various certain standards and details specific to the project stakeholders (as listed herein) may use inconsistent terminology for identifying the responsible party for particular work items as related to this specific contract. For example, if a standard detail indicates any particular items of WORK are to be installed by "CUSTOMER" or other, the CONTRACTOR shall understand these items are to be installed by the CONTRACTOR. When such circumstances are encountered, the CONTRACTOR shall immediately notify the ENGINEER. The intent of these documents is that all items of work under this contract, except for those item specifically listed under "WORK BY OTHERS", shall be completed by the CONTRACTOR.
- C. The CONTRACTOR shall bear responsibility for accurately interpreting and applying the different symbols, abbreviations, and other conventions found within each set of utility drawings. Not all utility-specific symbols may be shown or defined on the consolidated project drawing set.
- D. Some of the contract drawing sets and other contract documentation provided by utility owners may indicate specific lengths of conduit, cable or other. The CONTRACTOR shall understand these are NOT explicit quantities, rather they are approximations and final quantities may vary. The CONTACTOR shall bear responsibility to properly investigate the WORK prior to bidding and to provide accurate estimates.

#### PART 2 - PRODUCTS (NOT USED)

#### PART 3 - EXECUTION (NOT USED)

#### \*\* END OF SECTION \*\*

#### SECTION 01015 – DOCUMENT COORDINATION

#### PART 1 - GENERAL

#### 1.1 GENERAL

- A. The purpose of this specification section is to introduce the Contract Drawings. This project is comprised of no less than 5 unique Contract Drawing sets which make up portions of the WORK and, when combined, comprise the whole project. These drawings must be reviewed in their entirety and comprehended by the CONTRACTOR. A consolidated drawing set has been created in an effort to simplify the project information into a single plan set.
- B. The Contract Drawing sets provided by the agencies and/or stakeholders associated with the project, for which the CONTRACTOR is responsible to comprehend in their entirety, includes, but may not be limited to:
  - 1. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT"
    - a. SDG&E project number 253568-010, Construction Order No. 2960700
  - 2. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. ONELINE DIAGRAM"
    - a. SDG&E project number 253568-050, Construction Order No. 2434902
  - 3. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. C&C"
    - a. SDG&E project number 253568-050, Construction Order No. 2434902
  - 4. "20SD DISTRICT 7 BLOCK 7G2-OH RFS"
    - a. SDG&E project number 253568-090, Construction Order No. 2434960
  - 5. "20SD DISTRICT 7 BLOCK 7G2-OH CP"
    - a. SDG&E project number 253568-030, Construction Order No. 2434900
  - 6. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT"
    - a. AT&T Communications job number A00CA7W
  - 7. "ROLANDO BLK 7G2 20SD CONVERSION"
    - a. Cox project number 42005160000RES0075

  - 9. "CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS"
    - a. City of San Diego project number 38632, includes:
      - 1. City street light locations
      - 2. Americans with Disabilities Act (ADA) compliant curb ramp improvements,

#### 10. "UTILITIES UNDERGOUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK 7G2 CONSOLIDATED DRAWINGS"

- a. City of San Diego project number 39685-D, WBS number B-15085.
  - 1. Provided by LEE & RO, this drawing set, as indicated by the title, consolidates information from the above drawing sets into a single set.
- C. At a minimum, the CONTRACTOR shall bear responsibility for compliance with, and comprehension of, those documents listed under 1.3 PRECEDENCE OF CONTRACT DOCUMENTS. The CONTRACOR shall also bear responsibility for compliance with and comprehension of other applicable standards and details not specifically listed herein.
- D. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK;
  - 1. Section 01010 Summary of Work
  - 2. Section 01610 Sequence of Work
- E. The following paragraphs, as well as the entirety of this specification section, are intended to assist the CONTRACTOR in the simultaneous application of the differing specifications and standard details and drawings associated with the project stakeholders as they relate to the various work items.
  - 1. The Scope of Work is to convert the existing overhead (OH) utility services and install the services underground in a single "joint trench" within the public right of way (City streets). The "Joint Trench" is defined as any trench that contains any number of conduits owned by more than one utility provider. Joint trench construction below grade, as well as conduit placement within the joint trench, shall comply with the SDG&E standard drawings and details for "joint trenches" which will take precedence over other drawings and details, specific to that portion of the work.
  - 2. Service trenches provide utility connections between the main joint trench and the residents within Block. Service trenches may be for a single or multiple utilities. Service trenches, and joint service trenches for more than one utility within a single service trench, shall be installed in accordance with SDG&E standards for service trenches or joint service trenches as applicable.
  - 3. Surface restoration and other surface improvements, including street light assembly installation, parkway/sidewalk/driveway restoration, and paving, performed within the public right of way or on private property shall adhere to the City of San Diego standard details and drawings which take precedence over other drawings and details, specific to those portions of the work, and exclusive of ADA curb ramps.
  - 4. Curb ramp replacement shown in the contract drawings shall be installed in accordance with American's with Disabilities Act (ADA) regulations and per the applicable drawings and standard details which will take precedence over other drawings and details, specific to that portion of the work.
  - 5. The CONTRACTOR shall be responsible for field verification of existing parkway and private property conditions prior to the start of work and shall bear responsibility to return all disturbed areas to their pre-construction condition. This may include, but not be limited to, decorative gravel, grass, concrete paved areas, etc.

#### **1.2 RESOLVING CONFLICTS WITHIN THE CONTRACT DOCUMENTS:**

- A. Where conflicts are found within the contract documents that cannot be resolved through observing the order of precedence found below, or where cost impacts are predicted due to such conflicts, the conflict shall be immediately brought to the attention of the ENGINEER. No additional monies, time, or other will be allowed for rework originating from conflicts which were not identified prior to the WORK taking place.
- B. These contract documents, which are the basis for bid, are based on those standards and details which were available at the time of issuance and are listed herein. Where standards have been updated after the release of these bid documents, the contractor shall notify the ENGINEER in writing of the discrepancy before commencing the WORK. The most current versions of those listed standards and details shall be followed at all times.

#### **1.3 PRECEDENCE OF CONTRACT DOCUMENTS:**

- A. In the event of a conflict between any of the Contract Documents, the document highest in precedence shall control. The precedence shall be as follows:
  - 1. Permits issued by jurisdictional regulatory agencies
  - 2. Change orders and/or Supplemental Agreements; whichever occurs last
  - 3. Contract or agreement
  - 4. Addenda
  - 5. Bid or proposal (i.e. exceptions to the contract)
  - 6. Special Provisions (i.e., City Supplement and Technical Specifications)
  - 20SD Conversion Rolando Blk 7G2-20SD Conv. Trench and Conduit drawings for SDG&E Utilities
  - 8. 20SD Conversion Rolando Blk 7G2-20SD Conv. Oneline Diagram drawings for SDG&E Utilities
  - 9. 20SD Conversion Rolando Blk 7G2-20SD Conv. C & C drawings for SDG&E Utilities
  - 10. 20SD District 7 Block 7G2-OH RFS drawings for SDG&E Utilities
  - 11. 20SD District 7 Block 7G2-OH CP drawings for SDG&E Utilities
  - 12. 20 SD Conversion Rolando Blk 7G2-20SD Conv. Trench and Conduit drawings for AT&T Communications Utilities
  - 13. Rolando Blk 7G2 20SD Conversion drawings for Cox Communications Utilities
  - 14. City of San Diego Plans for the Construction of 20SD Rolando Block 7G2 Capital Improvement Drawings
  - 15. City of San Diego Plans for the Construction of 20SD Rolando Block 7G2 Streetlight Trench and Conduit Drawings
  - 16. Design By Location (DBL) Database and Service worksheets for SDG&E Utilities
  - 17. SDG&E Contract Documents:
  - 18. Electric Distribution and Design Manual

- b. Electric Service Standards and Guide Manual
- c. Overhead Construction Standards
- d. Underground Construction Standards
- 18. AT&T Specifications for City of San Diego Surcharge Undergrounding Projects
- 19. Cox Standard Specifications
- 20. Project Technical Specifications
- 21. Utilities Undergrounding Program 20SD Conversion Rolando Block 7G2 Consolidated Drawings
- 22. City of San Diego Specifications for Public Works Construction 2015 (WHITEBOOK)
- 23. Standard Specifications for Public Works Construction 2015 (GREENBOOK)

#### 1.4 CONSTRUCTION ACTIVITY COORDINATION

#### A. Joint/Service Trench Conduit Placement

Each utility provider follows unique standards and details which apply to their own utility, specifically regarding coverage and separation requirements within duct banks. Although SDG&E's requirements are the primary driver of trench construction and conduit placement, requirements specific to other utilities may also apply. When two conflicting coverage and/or separation requirements are found, the CONTRACTOR is directed to maintain the requirements which are more stringent.

The CONTRACTOR shall review all applicable requirements and shall install conduits within the joint trench such that all minimum requirements for each utility are appropriately satisfied. No additional monies will be issued where trench size must be increased in width, depth, or other due to such requirements.

The CONTRACTOR shall carefully review and comply with the submittal requirements for duct bank layout drawings which are intended to assist in identifying the proper placement for all conduits within the joint and service trenches.

#### B. Inspection of the work

The CONTRACTOR shall bear responsibility for pursuing inspection of the WORK from the appropriate personnel as required for each unique portion of work in a timely manner. CONTRACTOR shall coordinate with the project INSPECTOR/CONSTRUCTION MANAGER of the individual utility companies via the City Resident Engineer when scheduling or requesting inspection on any aspect of work. The CONTRACTOR shall provide ample notification to all inspecting agents in order to guarantee the project does not experience delays.

C. Notification Schedule Submittal

The CONTRACTOR is required to thoroughly review all project documentation including, but not limited to, those drawings, details, and notes provided by each unique utility owner and the City. The CONTRACTOR shall create, and submit for approval, a "Notification Schedule" that clearly identifies all utility owners and City agencies who must be notified prior to work taking place.

The notification schedule shall be created in a table format and shall include, at a minimum, the items of work being performed, the responsible agencies who require pre-work or other notification, the specific contact person for each agency who shall receive the notification (including name, title, direct phone number, and email address), the total number of days prior to

the work taking place that notification must be submitted, the specific drawing sheet/detail where the notification requirement is found, and other information pertinent to effective and clear communication between all parties involved with the project.

Where overlapping notification requirements are identified, the CONTRACTOR shall adhere to the more stringent requirements.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

\*\* END OF SECTION \*\*

#### SECTION 01610 - SEQUENCE OF WORK

#### PART 1 - GENERAL

#### 1.1 GENERAL

A. The ENGINEER has determined that a number of general construction sequence concepts must be followed in order to successfully complete the Project. These concepts are described in this section. The CONTRACTOR shall incorporate these concepts into his construction schedule and include complete details of the construction sequence that go beyond these general concepts.

#### 1.2 **RELATED SECTIONS**

- A. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
  - 1. Section 01010 Summary of Work
  - 2. Section 01015 Document Coordination

#### 1.3 **PRE-CONSTRUCTION SEQUENCE CONCEPTS**

- A. The CONTRACTOR shall create and submit the baseline Construction Schedule (using Primavera P6 Professional Project Management format, or equal) within 5 business days of receipt of Notice to Proceed (NTP) for review and approval by the ENGINEER. All activities shall be sequenced and tied together with appropriate logic accounting for work activities that must be performed by all parties, stakeholders, and others associated with the WORK.
- B. Public outreach throughout the project is paramount to maintaining uninterrupted project progress. The CONTRACTOR's Public Outreach Plan, as well as designation of an Exclusive Community Liaison, must be submitted immediately following project NTP.
- C. If required, City encroachment, Development Services Department (DSD) stormwater, excavation, and other applicable permits and plans required to perform the WORK must be obtained immediately following project initial NTP.
- D. Traffic Control permit must be obtained through the City of San Diego CM & FS Division. City permits will be required in order to perform subsurface utility investigations of existing utilities (pot holes) which must be performed as early as possible to avoid schedule impacts.
- E. A detailed pre-construction video of all existing conditions is critical to documenting and restoring the neighborhood to its original conditions. The CONTRACTOR shall schedule this activity to take place within 1 week of project NTP.
- F. The project involves installing many conduits for different utility providers. As such, the resulting project includes many areas where duct banks in joint and/or service trenches require installation of numerous conduits of varying sizes. To provide an added layer of quality control, the CONTRACTOR shall submit duct bank layout drawings that clearly identify the quantity of conduit, conduit sizes, separation dimensions, coverage dimensions, total trench depth, and other

information needed to complete the work for each unique location along the joint and service trenches. This requirement does not relieve the CONTRACTOR from bearing ultimate responsibility for providing complete and accurate WORK.

#### 1.4 **CONSTRUCTION SEQUENCE CONCEPTS**

- A. The general sequence of work activities following subsurface utility investigations involves excavating the joint and service trenches, placing conduit, backfilling trenches, installing City light posts, restoring pavement and other surface features, installing ADA curbs and ramps, and making connections at individual residential homes and buildings. Specific responsibilities and details are identified within the Contract Documents. The CONTRACTOR shall 'batch' these work activities together for segments of the overall project so as to avoid excessive open trench lengths and unfinished work.
- B. The CONTRACTOR will inadvertently cross City-owned and other utilities. These utility crossings will require careful consideration by the CONTRACTOR in order to maintain proper coverage and separation requirements.
- C. Several activities will require joint efforts between the CONTRACTOR and SDG&E crews. These activities include, but may not be limited to, the following:
  - a. Splicing and installing final service connections.

The CONTRACTOR shall clearly identify such activities on the construction schedule and shall lead coordination meetings with the City and SDG&E to ensure proper work sequencing efforts and schedule coordination to avoid delays in the overall project schedule.

#### PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

#### \*\* END OF SECTION \*\*

## VOLUME II – UTILITY DESIGN STANDARDS (1 of 3)

### 1. SDG&E Electric Distribution Design Manual

http://regarchive.sdge.com/builderservices/servicestandards/elecdistdesign/index.shtml

2. SDG&E Electric Service Standards and Guides Manual http://regarchive.sdge.com/builderservices/servicestandards/electricStandards\_manual.shtml

## VOLUME III – UTILTIY DESIGN STANDARDS (2 of 3)

1. SDG&E Overhead Construction Standards http://regarchive.sdge.com/builderservices/servicestandards/conststandardsoh/index.shtml

## VOLUME IV – UTILITY DESIGN STANDARDS (3 of 3)

1. SDG&E Underground Construction Standards

http://regarchive.sdge.com/builderservices/servicestandards/conststandardsug/index.shtml

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Issue 1/April 2009

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# AT&T Specifications

# City of San Diego Surcharge Undergrounding Projects

Please Note:

This document is intended to provide a basic guide for Contractors who will be performing trenching and material placement for the City of San Diego Surcharge Undergrounding Projects. It is not intended to provide complete list of AT&T requirements.



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## General Construction Requirements

- Contractor will contact AT&T **four (4) business days** prior to the start of any work in the field associated with the project.
- Contractor will verify the location of existing AT&T and all other utility substructures and buried facilities prior to doing any digging work. Underground Service Alert (USA) will require at least two (2) business days notice prior to performing any excavation work.

#### **Underground Service Alert:**

North 1-800-227-2600 South 1-800-422-4133

- Contractor needs to ensure that they are knowledgeable and clear regarding the "scope of the work" associated with the AT&T portion of the project.
- Contractor will ensure that proper and qualified supervision is on the job at all times.
- Contractor will be required to maintain good coordination between all personnel working on the project. It is imperative the Contractor maintain good communication between their employees and the residence in the area of the project. This is especially important when performing any work on any customer's private property.
- Contractor will perform all excavations as required in order to place all substructure and associated material in accordance to AT&T drawings. All work will meet AT&T specifications.
- Contractor will get authorization for any design changes from AT&T prior to implementing the change. The Contractor will contact the designated AT&T Contract Administrator or Inspector to resolve any work change issues.
- Contractor will establish and conduct with AT&T periodic field inspections as the job progresses. AT&T will be provided as much advance notice as possible on these dates. AT&T will also conduct inspections throughout the project.

- Contractor is responsible for all costs associated with any repairs, replacement or relocation made necessary by damage to AT&T facilities as results of conducting any work associated with the project.
- All AT&T facilities placed by the Contractor will meet AT&T specifications. The job will not be "passed" by AT&T until a "final inspection" has been conducted by an AT&T representative.
- Contractor will provide 4 copies of "As Builts" drawings with all footages and/or wall-to-wall measurements noted on them. AT&T will be provided this information upon completion of the conduit work associated with the job.

## Trenching

- In a joint trench, minimum radial clearance must be at least one (1) foot from all other trench occupants per C.P.U.C. Order 128 unless there is a prior signed agreement with AT&T.
- Bends, sweeps or grade changes that have a radius of 80 feet or less or a grade change of 20% or more must be <u>encased</u> in 2500 PSI concrete per AT&T standards. The aggregate can be no larger than 3/8 inch, preferably 1/4 inch.

#### Note:

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# No calcium chloride (C.C.) will ever be in any concrete that comes into contact with any AT&T conduit.

- All AT&T substructures must have a minimum trench cover from final grade (24" in most cases) that meets both the governing agency requirements and C.P.U.C. GO 128 requirements. All AT&T <u>customer</u> <u>service conduits</u> will have at least 18 inches of cover from final grade.
- All AT&T 4" conduits will be at least 2" from the sidewalls of the trench and have at least 1" in between each 4" conduit. Additionally, if AT&T 4" conduits must be "stacked" onto each other at least 1" of compacted fine soil will be placed between each vertical layer. The Contractor will supply and use proper spacers as required.
- All trench backfill material must be a minimum Class B and compacted in accordance with the governing agencies specifications. Any trench that only has AT&T conduit in it will have at least 1 inch of compacted fine soil (import) in the bottom on the trench prior to any conduit being placed. Additionally, at least 12 inches of fine soil (import) will be placed over the AT&T duct structure. Final restoration of trench will meet the governing agency requirements and C.P.U.C. Order 128.
- Contractor will place "warning tape" 12 inches below final grade in all trench occupied by AT&T facilities.
- Contractor will ensure that proper shoring is utilized per CAL-OSHA standards and practices.



FIG. 1 TELCO ONLY TRENCH CROSS SECTION



FIG. 2 JOINT TRENCH CROSS SECTION



TRANSFORMER BY-BASS TRENCH
### Conduit

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- Conduit placed for AT&T must be for its exclusive use. AT&T will not occupy the same conduit with any other utilities or foreign cable/communication systems. AT&T may refuse to occupy conduit that deviates from AT&T plans and specifications. AT&T will specify the number and size (type) of conduits for each project.
- AT&T Conduit Requirements:
  - Four inch (4") conduit must be Type "C" White AT&T stamped conduit
  - Two inch (2") conduit must be Type "DB-120" conduit
  - All exposed 90 degree sweeps/conduit (pole riser or building) will be Schedule 40 or E-bends and UV protected for 4" conduits.
  - 90 degree sweeps (poles riser or building) for 2" conduit will be Schedule 40 and also UV protected.
  - The minimum sweep for 4 inch conduit is three foot (3') on a 90 degree radius.
  - A maximum of two (2) 90 degree bends will be installed per each section placed.
- All conduits will have rope placed in them to enable AT&T to place its cable.
- Contractor will use (3/8") minimum polypropylene pull rope or equivalent strength polyester woven mule tape. The rope must be installed in all conduits from its originating point to the other end. All pulling ropes will be tied to black plastic conduit duct plugs and then the plugs will be placed in conduit end. <u>Duct tape will not be</u> acceptable to plug conduit.
- When any size conduit is being terminated in a manhole, a minimum of five feet (5') of straight conduit will be run from the outside wall at the termination point before ANY radiuses are made.

- All conduits at pole risers and building will be 6" above final grade and flush against the surface. A "securing strap" will be placed over the conduit, 2" down from the top of the riser. The inside radius of the riser will be encased in at least 3" of 2500 PSI cement.
- On any conduit that is placed from any type of AT&T closure to the inside of a building/structure, an expandable rubber plug will be provided and placed by the Contractor in the conduit at the closure to avoid any water intrusion inside the building.
- Electric Markers (EM) for Telco will be placed at all "stub-out" locations and the conduit will be capped at the end. The markers will be supplied by AT&T.





OVERHEAD VIEW

- 1. MAINTAIN 3" SEPARATION FROM OTHER UTILITIES ON POLE.
- 2. PLACE WEATHERPROOF CAP ON END OF CONDUIT,
- 3. STRAP CONDUIT TO POLE ABOVE GROUND LINE. CONDUIT MUST BE VERTICAL TO POLE AT GROUND LEVEL. CONDUITS NOT TOUCHING POLE OR ANGLING INTO POLE ARE NOT ACCEPTABLE.
- 4. IF NOT INDICATED ON DRAWING, VERIFY POLE QUADRANT WITH TELCO INSPECTOR.



### Closures

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• All closures placed by the Contractor will be AT&T approved and when placed will meet all manufacturer's specifications. Manufacturer instructions come with each closure.

#### Pedestal closures:

- All conduits placed inside "Charles" closures (CPLS and CMPH) will be level and at a height of 5" below the "top lip" of the closure once the cover has been removed.
- At all locations where a closure is being placed for AT&T that are within 10' of a power transformer, an 8' ground rod will be placed inside the closure. The Contractor will then terminate a #6 size gray colored jacketed ground wire (using a "peanut-clamp") on the ground rod and leave a 2 foot long tail of ground wire. It's imperative that this work operation be performed by the Contractor at all these locations.

#### Gravel level:

- After the conduits have been placed and capped, the Contractor will place 3/8" gravel in all CPLS and CMPH closures. The gravel level will be up to 2" below the top of the conduits.
- When conduits are placed into a pedestal closure, they will be placed/banded together in a manner so that the **MAXIMUM** number will fit. This is imperative so that additional conduits can be run into the pedestal for future growth.

#### Hand-holes:

- Hand-holes that have "knock-outs" on each end wall will be used to terminate the 4" conduits. The Contractor will not terminate any conduit in the side-walls of any hand-hole unless AT&T has provided prior approval. <u>Conduits will be flush</u> with the walls of the handhold and properly sealed.
- Hand-holes will always be level with the final grade. The cover will be "traffic approved" when placed anywhere other than in a "parkway" area that receives only "foot traffic".

 All 4" conduits that have 90 degree sweeps going up will have at least 3" of concrete covering the inside of the radius. The concrete mix will meet 2500 PSI (¼ or less aggregate) type cement. This will ensue that if the rope "burns" through the conduit while pulling cables through it, the conduit will be "backed-up" by the concrete. It is imperative that this work operation be performed by the Contractor at all locations.



1. CONTRACTOR TO PROVIDE NOT LESS THAN #6 SOLID AWG GROUND WIRE AND 8' GROUND ROD INSIDE TELCO CLOSURE

FIG. 5 TYPICAL TRANSFORMER / PEDESTAL CONFIGURATION



FIG. 6 CMPH DUCT CONFIGURATION

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FIG. 7 CPL DUCT CONFIGURATION

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### Manholes

- All manholes placed by the Contractor will be approved for AT&T use. All manholes will have "pulling eyes" at each end wall.
- The Contractor will coordinate the pickup, delivery and setting of all manholes associated with the project.
- Placement of manholes will meet all specifications of both the manufacture and AT&T standards.
- No person will be in any excavated area/hole where a manhole is going to be placed without the proper shoring in place per CAL-OSHA standards and practices.

#### Main AT&T requirements:

- At least 6" of gravel (34" aggregate maximum) will be placed under all manholes prior to placement.
- The manhole will be level and this measurement will be performed by the Contractor at the top of the manhole. Manhole floors are not always level.
- Surry will be used to backfill around all manholes.
- The manhole roof will always have at least 2' of cover from final grade. The manholes have been designed to be installed with from 2 to 5 feet of cover over the roof. The interior surface of the manhole floor must be no more that 15 feet below final grade.
- The Contractor will ensure that all associated racking, bonding/grounding ribbon and the proper size "hook ladder" is installed in each manhole. Completed manholes will be free of all debris in them.

- All manholes will have both the **manhole number** and **inside cubic feet** placed on them by the Contractor at 2 locations. They are as follows:
  - Die stamped (1/2" minimum size) in the manhole cover frame per AT&T specifications
  - Affixed to the manhole neck with tags provided by AT&T
- Stepping will also be placed in the manhole neck in accordance with AT&T specifications. Steps will not exceed 6" out from the manhole's neck wall. The steps will always be placed on the side of the manhole so that the worker when descending is facing on-coming traffic. This is done for safety.
- All conduits terminated in the manhole will be flush with the walls and properly mortared/sealed. Conduits will also be terminated using the bottom knockouts or terminators first and then working upward as required.

Intercept type manholes:

• The end-walls of all intercept manholes will be properly finished and sealed with concrete that is 4000 PSI (3/4" aggregate maximum). After the forms have been pulled, any imperfections will be grouted and have a smooth finish. The end- walls will then be painted white.

Manhole conduit terminations:

• All Conduits terminating at the wall of any AT&T manhole will have at least **five feet (5')** of conduit which runs straight out from the outside end wall. The Contractor can then transition with the appropriate bends that may be called for on the job drawing.

Manhole stepping and ladder measurements:

• All new manholes, unless otherwise specified on the work prints, shall be equipped with manhole racking, bonding ribbons, manhole steps, 12' sump, and hooked type ladders. This material will be installed by the Contractor as part of the bid.  The first manhole step shall be placed on the top surface of the roof of the manhole. Each additional step will be placed at 12 inch (12") intervals, using 12-inch or a combination of 6 inch and 3 inch precast grade rings. When the cover over the roof is 24inches or more, additional steps are placed at 12 inch intervals. Steps will not exceed 6 inches from center of step to the side of manhole wall.

#### Note:

Whenever the manhole roof is more than 24 inches from manhole cover, the distance from the manhole **cover** to the first step is not to exceed 17 inches and will not be less than 6 inches at any time.

• The proper size ladder will be installed by the Contractor based on the stepping configuration above. Ladders lengths will be from 6 ½ to 18 feet long.

### **Restoration Procedures and Conditions**

• All areas where any type of excavation is required (to place any type of AT&T material regardless if it is above or below ground) the entire area up to and including the surface will be restored to better or original condition as required. All restoration will also meet all municipal code standards.

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# COX COMMUNICATIONS STANDARDS

### **General Construction Specifications**

City / Agency contractor is required to contact Cox Communications a minimum of two (2) business days prior to the start of and field work associated with this project.

City / Agency contractor will complete all excavation required to place all Cox Communications facilities in accordance with the Cox Communications provided design. All work must meet Cox Communications specifications.

City/Agency contractor is responsible to verify that the Cox Communications provided design is current with Cox inspector and/or planner before excavation begins.

City / Agency contractor will pothole and verify all *existing* Cox Communications facilities within the project boundaries. Underground Service Alert will be notified at least two (2) business days prior to any excavation.

City / Agency contractor will contact the Cox Communications planner or inspector five (5) business days prior to any design changes being implemented in the field.

Cox Communications' inspectors will conduct independent inspections of all work to ensure it meets Cox Communications standards.

City / Agency contractor will be responsible for any cost associated with relocation or repairs of any Cox Communications facilities as a result of the work associated with the project.

City / Agency contractor will provide 2 copies of "As Built" drawings which will include footage notations. These "As-Built" copies will be provided when trenching is completed. No Cox Communications' overhead facilities or existing equipment will be removed prior to the "As-Builts" being verified.

### **Trenching Specifications**

City / Agency contractor will place all Cox Communications conduit with radial clearances that meet or exceed C.P.U.C. General Order 128 standards.

City / Agency contractor will ensure all conduits placed for Cox Communications are at a minimum depth from final grade that meets both C.P.U.C. General Order 128 standards and the City / Agency requirements.

### Conduit

All conduits placed for Cox Communications is for Cox Communications' exclusive use. Cox Communications may refuse to accept any conduits which are installed in a manner differing from the Cox Communication design.

Number of conduits and conduit sizes will be noted on Cox Communications design prints. Any change to the conduit design must be approved in writing by the Cox Communications planner or inspector.

All conduits placed for Cox Communications will be minimum Schedule 40.

90 degree sweeps will be a minimum of 24" radius sweeps.

City / Agency contractor will place pull line / pull rope provided by Cox Communications in all conduits prior to the conduit being accepted by Cox Communications.

### Hand-holes

All hand-holes being placed by the agency / city contractor for Cox Communications must meet final grade specifications.

All hand-holes placed in alleys or paved areas will have a traffic rated cover. Hand-holes placed in areas with only foot traffic will be installed



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#### VOLUME V - GEOTECHNICAL REPORT & SDG&E DBL DATABASE)

- 1. REPORT OF GEOTECHNICAL INVESTIGATION BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM CITY OF SAN DIEGO GEOTECHNICAL REPORT
- 2. UTILITIES UNDERGROUNDING PROGRAM BLOCK 7G2 SDG&E DESIGN BY LOCATION (DBL) SHEETS SDG&E DESIGN BY LOCATION (DBL) DATABASE
- 3. UTILITIES UNDERGROUNDING PROGRAM BLOCK 7G2 SDG&E SERVICE WORKSHEET

### REPORT OF GEOTECHNICAL INVESTIGATION BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM CITY OF SAN DIEGO

Submitted to:

LEE & RO, INC. 10640 Scripps Ranch Boulevard, Suite 150 San Diego, CA 92131

Prepared By:

ALLIED GEOTECHNICAL ENGINEERS, INC. 9500 Cuyamaca Street, Suite 102 Santee, California 92071-2685

January 18, 2016



January 18, 2016

Mr. Eric Lovering, P.E. Project Manager Lee & Ro, Inc. 10640 Scripps Ranch Boulevard, Suite 150 San Diego, CA 92131

#### Subject: REPORT OF GEOTECHNICAL INVESTIGATION BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM CITY OF SAN DIEGO AGE Project No. 174 GS-15-A

Dear Mr. Lovering:

Allied Geotechnical Engineers, Inc. is pleased to submit the accompanying report to present the findings, opinions, and recommendations of a geotechnical investigation that was performed to assist Lee & Ro, Inc. with their design of the subject project.

We appreciate the opportunity to be of service on this project. If you have any questions regarding the contents of this report or need further assistance, please feel free to contact our office.

Sincerely,

Distr. 1 electronic copy

ALLIED GEOTECHNICAL ENGINEERS, INC. ula Sani Sutanto, P.E. Nicholas E. Barnes, P.G., C.E. Senior Engineer Senior Geologist NEB/SS/TJL:cal

#### **REPORT OF GEOTECHNICAL INVESTIGATION BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM CITY OF SAN DIEGO**

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Table 2	Summary of Corrosivity Test Results

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Appendix B	Laboratory Testing

#### SECTION ONE

#### 1.0 INTRODUCTION

Allied Geotechnical Engineers, Inc. (AGE) is pleased to submit this report to present the findings, opinions, and recommendations of a geotechnical investigation conducted to assist Lee & Ro, Inc. (Lee & Ro) with their design of the Block 7G2 Utilities Undergrounding Program for the City of San Diego (City). The investigation was performed in conformance with AGE's proposal (revised) dated August 31, 2015 and the subconsultant agreement entered into by and between Lee & Ro and AGE on September 2, 2015.

This report has been prepared for the exclusive use of Lee & Ro and its design team subconsultants and the City in their design of the project as described herein. The information presented in this report is not sufficient for any other uses or the purposes of other parties.

#### 2.0 SITE AND PROJECT DESCRIPTION

The scope of the proposed projects consist of undergrounding existing above-ground utilities along several residential streets located within Block 7G2 in San Diego, California. Block 7G2 project study area encompasses an older well-developed residential neighborhood located in the Rolando area which is bounded by El Cajon Boulevard and Stanley Avenue on the north, Estelle Street on the south, College Avenue on the west and Revillo Way on the east. The limits of the project study area is shown on Figure 1 (Location Map). Based on the information provided by Lee & Ro, it is our understanding that the proposed utility undergrounding will be performed using conventional cut and cover construction methods.

#### 3.0 OBJECTIVE AND SCOPE OF INVESTIGATION

The objectives of this investigation were to characterize the subsurface conditions in the project study area and to develop geotechnical recommendations for use in the design of the currently proposed project. The scope of our investigation included several tasks which are described in more detail in the following sections.

#### 3.1 Information Review

This task involved a review of readily available information pertaining to the project study area, including the preliminary project plans, as-built utility maps, topographic maps, published geologic literature and maps, and AGE's in-house references.

#### 3.2 Geotechnical Field Exploration

The field exploration program for this project was performed on December 2 thru 4, 2015. A total of twelve (12) soil borings were performed at the approximate locations shown on Figure 1. The borings were advanced using conventional hollow-stem auger drilling methods to depths ranging from 5 feet to 12 feet below the existing ground surface (bgs). A brief description of the location and depth, and the subsurface conditions encountered in each boring is presented in Table 1. A more detailed description of the drilling and sampling activities, and logs of the borings are presented in Appendix A.

Prior to commencement of the field exploration activities, several site reconnaissance visits were performed to observe existing conditions and to select suitable locations for the borings. Subsequently, Underground Service Alert (USA) was contacted to coordinate clearance of the proposed boring locations with respect to existing buried utilities. Existing buried utilities in the vicinity of the project study area include: potable water and sanitary sewer pipelines; storm drains; natural gas and electrical transmission lines; and cable, telephone, and fiber optic lines. Traffic control permits were obtained from the City of San Diego to perform the borings.

### OBJECTIVE AND SCOPE OF INVESTIGATION

#### Table 1

#### **Summary of Borings**

Boring No.	Location	Depth (feet)	Existing Pavement Section	Subsurface Conditions	Estimated G.W. Depth/ Elevation (feet bgs/feet MSL)
B-1	6113 Açorn Street	12	4" A.C., no base	Qvop to 4 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
В-2	6162 Acom Street	12	6 <sup>™</sup> A.C., no base	Qaf to 2 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-3	4637 62 <sup>nd</sup> Street	7.5	5" A.C. over 3" misc. base	Qm to 7 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
<b>B-</b> 4	4960 63 <sup>rd</sup> Street	.12	4" A.C. over 4" misc. base	Qm to 10.5 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-5	4610 63 <sup>rd</sup> Street	5	4" A.C., no base	Qaf to 1.5 feet bgs, Qm to 3 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-6	6410 Stanley Avenue	12	5 1/2" A.C., no base	Qm to 2 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-7	6541 Acorn Street	12	6 1/2" A.C., no base	Qvop to 3.5 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
В-8	. 4515 Revillo Way	12	4" A.C., no base	Qaf to 8 feet bgs, Tmv to the maximum depth of exploration.	Not encountered during drilling
B-9	6550 Bradford Street	11	6" A.C., no base	Qaf to 7 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling

### **SECTION THREE**

### **OBJECTIVE AND SCOPE OF INVESTIGATION**

#### Table 1

#### Summary of Borings

Boring No.	Location	Depth (feet)	Existing Pavement Section	Subsurface Conditions	Estimated G.W. Depth/ Elevation (feet bgs/feet MSL)
B-10	6419 Bradford Street	12	6 1/2" A.C., no base	Qvop to 8 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
B-11	4454 Arendo Drive	12	3 1/2" A.C., no base	Qaf to 2 feet bgs, Qm to 8 feet bgs, Qvop to 10 feet bgs, Tsd to the maximum depth of exploration	Not encountered during drilling
B-12	6150 Estelle Street	12	7" A.C., no base	Qaf to 2 feet bgs, Qvop to5 feet bgs, Tsd to the maximum depth of exploration	Not encountered during drilling

#### **Explanation of Abbreviations and Symbols**

A.C.	Asphalt Concrete
Qaf	Artificial Fill Materials
Qm	Mudstone Unit
Qvop	Very Old Paralic Deposits
Tsd	San Diego Formation
Tmv	Mission Valley Formation

#### 3.3 Laboratory Testing

Selected soil samples obtained from the borings were tested in the laboratory to verify field classifications and evaluate certain engineering characteristics. The geotechnical laboratory tests were performed in general conformance with the American Society for Testing and Materials (ASTM) or other generally accepted testing procedures.

The laboratory tests included: in-place density and moisture content, maximum density and optimum moisture content, and sieve (wash) analysis. In addition, representative samples of the onsite soil materials were collected and delivered to Clarkson Laboratories and Supply, Inc. for chemical (analytical) testing to determine soil pH and resistivity, soluble sulfate and chloride concentrations, and bicarbonate content. A brief description of the tests that were performed and the final test results are presented in Appendix B.

AGE Project No. 174 GS-15-A January 18, 2016 Page 7 of 35 Block 7G2 UUP Attachment E - Technical Specifications

#### 4.0 GEOLOGIC CONDITIONS

#### 4.1 Geologic Setting and Site Physiography

The project study area is located in the southwest portion of the San Diego Embayment, a deep sedimentary-filled basin which is underlain at depth by a basement rock complex of Cretaceous age batholithic and metavolcanic and metasedimentary rocks of Jurassic age. The sedimentary formations consist of nearly flat-lying to gently southwest dipping, marine and non-marine sediments which range from Cretaceous to Holocene in age. Man-made fills occur in various locations in the study area. Nearby land uses include residential and commercial developments, public parks and open spaces.

#### 4.2 Tectonic Setting

Tectonically, the San Diego region is situated in a broad zone of northwest-trending, predominantly right-slip faults that span the width of the Peninsular Ranges and extend offshore into the California Continental Borderland Province west of California and northern Baja California. At the latitude of San Diego, this zone extends from the San Clemente fault zone, located approximately 60 miles to the west, and the San Andreas fault located about 95 miles to the east.

Major active regional faults of tectonic significance include the Coronado Bank, San Diego Trough, San Clemente, and Newport Inglewood/Rose Canyon fault zones which are located offshore; the faults in Baja California, including the San Miguel-Vallecitos and Agua Blanca fault zones; and the faults located further to the east in Imperial Valley which include the Elsinore, San Jacinto and San Andreas fault zones.

#### 4.3 Geologic Units

Based on their origin and compositional characteristics, the soil types encountered in the exploratory borings can be categorized into five geologic units which include (in order of increasing age) fill materials; an unmapped mudstone unit; very old paralic deposits; San Diego Formation; and Mission Valley Formation. A brief description of each unit (in order of increasing age) is presented below.

#### 4.3.1 Fill Materials (Qaf)

Fill materials were encountered to depths ranging from 1.5 feet to 8 feet bgs in borings B-2, B-5, B-8, B-9, B-11 and B-12. The fill materials generally consist of light gray to medium brown to yellow brown silty sand, gravelly silty sand, and clayey sand. Documentation pertaining to the original placement of the fill materials is unavailable.

#### 4.3.2 <u>Mudstone Unit</u>

Portions of the project study area are underlain by an unnamed and unmapped mudstone which extends from the ground surface to a sharp disconformable contact with the underlying Very Old Paralic Deposits. This unit is generally found on top of the mesa in the North Park, Normal Heights, East San Diego, and University Heights areas, and was the focus of a study performed by L.D. Reed (1990) who informally named it the "Normal Heights Mudstone". The mudstone is composed of a gray to grayish brown, highly plastic and expansive sandy clay, and varies in thickness from less than 5 feet to more than 10 feet.

The mudstone unit was encountered to respective depths of 7, 11, 3, 2, and 8-feet bgs in borings B-3 thru B-6 and B-11. The mudstone encountered in the borings consists of a gray to grayish brown, wet, stiff, sandy clay and fat clay.

#### 4.3.3 Very Old Paralic Deposits (Qvop)

Very Old Paralic Deposits of middle to early Pleistocene age (Kennedy and Tan, 2008) were encountered below street paving, fill and/or the mudstone unit to the maximum respective depths of exploration in borings B-2 thru B-6, and to respective depths of 4, 3.5, 8, 10 and 4.5 feet bgs in borings B-1, B-7, and B-10 thru B-12. These deposits were formerly referred to as the Lindavista Formation (Kennedy, 1975) of early Pleistocene age. The formation consists of interfingered strandline, beach, estuarine and colluvial deposits composed of siltstone, sandstone and conglomerate with a distinct reddish-brown color due to ferruginous cement. The combination of strong cementation and locally abundant gravels and cobbles may pose difficult excavation conditions even for heavy duty construction equipment.

Very Old Paralic Deposits encountered in the borings generally consist of yellow brown to strong brown, dense to very dense silty sand and gravelly silty sand. Thin interbeds of yellowish brown sandy clay were also encountered in boring B-2. The deposits are dense to very dense, and damp to wet. We encountered refusal on dense gravels/cobbles in borings B-3 and B-5 at respective depths of 7.5 and 5 feet bgs.

#### SECTION FOUR

#### 4.3.4 San Diego Formation (Tsd)

The mid to late Pliocene age San Diego Formation was encountered below fill materials and/or Very Old Paralic Deposits in borings B-7, B-9, and B-10 thru B-12 to the maximum depths of exploration. The San Diego Formation consists of a light yellowish brown, friable, fine-grained marine sandstone with some calcium carbonate-cemented zones and fossiliferous beds also present (Kennedy and Tan, 2008). Localized zones of cobble-conglomerate may also be encountered within the sandstone. The formation is also known to contain thin beds of bentonite, marl, and brown mudstone.

San Diego Formation encountered in the borings primarily consists of a pale yellow brown to greenish gray, fine to medium grained, micaceous, silty sandstone with scattered sub-rounded gravel to 2" maximum dimension. The formational soils were found to be medium dense to very dense, and damp to wet.

#### 4.3.5 <u>Mission Valley Formation</u>

The Mission Valley Formation unconformably underlies the San Diego Formation in the project study area. This formation consists of marine, lagoonal, and non-marine sandstone. Based on fossil assemblages, the Mission Valley Formation has been assigned an upper Eocene age (Kennedy and Peterson, 1975). The sandstone member is typically light gray, fine to medium grained, and friable. Cobble-conglomerate tongues similar to the underlying Stadium Conglomerate may also be encountered in the formation.

The Mission Valley Formation was encountered below fill materials at boring B-8, extending to the maximum depth of exploration. The formational soil materials in the boring consisted of a light gray to whitish gray, damp, dense, micaceous, fine-grained silty sandstone.

#### 4.4 Groundwater

At the time of our field investigation, no groundwater and/or seepage was encountered in any of our soil borings. Formational materials encountered in the borings generally possess low to very low permeability characteristics.

The database available at the Geotracker website (<u>www.Geotracker.com</u>) includes several groundwater monitoring reports for sites which are located in the vicinity of the project study area. A summary of the findings based on a review of those reports is presented below.

#### Fairlane Cleaners & Laundry, 6505 El Cajon Boulevard

Donan Environmental Services, Inc. (Donan, 2015) monitored 11 groundwater monitoring wells at the dry cleaning site during the fourth quarter of 2014. Donan reportedly measured groundwater at approximate depths of 35 to 43 feet bgs (elevations of 420 to 424 feet msl). This site is located approximately 1,700 feet northeast of the study area at an elevation of 460 feet msl. Mapped geologic units at this site consist of Very Old Paralic Deposits (Kennedy and Tan, 2008).

#### Former AztecCleaners, 6319 El Cajon Boulevard

Site remediation activities performed in 2012 reportedly included excavations up to 20 feet bgs at the former dry cleaners, and reportedly no groundwater was encountered in the excavations (County of San Diego Department of Environmental Health (DEH), 2015). The environmental consultant, Geocon Consultants, estimated the depth to groundwater at 35 to 40 feet bgs. This site is located approximately 400 feet north of the project study area at an elevation of 465 feet msl. Mapped geologic units at this site consist of Very Old Paralic Deposits (Kennedy and Tan, 2008).

Based on a review of the available data, the depth (elevation) of the regional groundwater table beneath the majority of the project study area is estimated to be in excess of 40 feet bgs. Groundwater may be encountered at a shallower depth along Revillo Way, which follows the general trend of a partially-filled canyon. However, no groundwater was encountered in during drilling operations for boring B-8, which extended to a depth of 12-feet bgs on Revillo Way.

It must be noted that localized perched water conditions may be encountered within the study area, especially along the contact between fill materials and formational materials. Based on previous experience with similar conditions, perched water may also be encountered at the contact between the mudstone unit and Very Old Paralic Deposits.

#### 5.0 DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

5.1 Potential Geologic Hazards

#### 5.1.1 Faulting

No known active faults (Kennedy and Tan, 2008; City of San Diego, 2008) are mapped within the project study area. Therefore, the potential for fault ground rupture and ground lurching within the project study area is considered insignificant.

For the purpose of this project, we consider the Rose Canyon fault zone (RCFZ) to represent the most significant seismic hazard. The RCFZ is a complex set of anastomosing and en-echelon, predominantly strike slip faults that extend from off the coast near Carlsbad to offshore south of downtown San Diego (Treiman, 1993). Previous geologic investigations on the RCFZ in the Rose Creek area (Rockwell et. al., 1991) and in downtown San Diego (Patterson et. al., 1986) found evidence of multiple Holocene earthquakes. Based on these studies, several fault strands within the RCFZ have been classified as active faults, and are included in Alquist-Priolo Special Studies Zones. In San Diego Bay, this fault zone is believed to splay into multiple, subparallel strands; the most pronounced of which are the Silver Strand, Spanish Bight and Coronado Bank faults. The project study area is not located within an Alquist-Priolo Earthquake Study Zone.

It is our opinion that the major seismic hazard affecting the project study area would be seismicinduced ground shaking. The study area will likely be subject to moderate to severe ground shaking in response to a local or more distant large magnitude earthquake occurring during the life of the proposed facilities. For project design purposes, we recommend that the RCFZ be considered as the dominant seismic source.

#### 5.1.2 Soil Liquefaction

Seismically-induced soil liquefaction is a phenomenon in which loose to medium dense, saturated granular materials undergo matrix rearrangement, develop high pore water pressure, and lose shear strength due to cyclic ground vibrations induced by earthquakes. The project study area is underlain with dense/stiff formational soils that are considered to have a very low to negligible liquefaction potential.

#### 5.1.3 Landslides

A review of the published geologic maps indicate that the project study area is not located on or below any known (mapped) ancient landslides (Kennedy, 1975; Kennedy and Tan, 2008; City of San Diego, 2008). Furthermore, the geologic units underlying the project study area are nor considered prone to landslide hazards. Therefore, landsliding does not represent a potential hazard.

#### 5.1.4 Lateral Spread Displacement

The project study area is underlain by competent geologic units which are not considered susceptible to seismic-induced lateral spreading.
#### 5.1.5 Differential Seismic-Induced Settlement

Differential seismic settlement occurs when seismic shaking causes one type of soil to settle more than another type. It may also occur within a soil deposit with largely homogeneous properties if the seismic shaking is uneven due to variable geometry or thickness of the soil deposit. The project study area is not considered susceptible to seismic-induced settlement.

#### 5.1.6 <u>Secondary Hazards</u>

A review of the State of California Tsunami Inundation Map for Emergency Planning (2009) indicates that the project study area is not located within the tsunami inundation area. It is our opinion that the potential of property damage from a seismic-induced tsunami in the study area is considered remote. The study area is not located within the 100- and 500-year flood zone (FEMA Flood Insurance Rate Map, 2012). It is our opinion that the potential of property damage due to flooding is considered remote.

#### 5.2 Soil Corrosivity

In accordance with the City of San Diego Water Facility Design Guidelines, Book 2, Chapter 7, soil is generally considered aggressive to concrete if its chloride concentration is greater than 300 parts per million (ppm) or sulfate concentration is greater than 1,000 ppm, or if the pH is 5.5 or less.

Analytical testing was performed on a representative sample of the onsite soil materials to determine pH, resistivity, soluble sulfate, chlorides and bicarbonates content. The tests were performed in accordance with California Test Method Nos. 643, 417 and 422. A summary of the test results is presented in Table 2 below. Copies of the analytical laboratory test data reports are included in Appendix B.

	рН	Resistivity (ohm-cm)	Sulfate Conc. (ppm)	Chloride Conc. (ppm)	Bicarbonates Conc. (ppm)
B-3 Sample No. 1 @ 2'-3'	8.3	870	200	75	N.A.
B-4 Sample No. 1 @ 2'-3'	8.2	760	160	21	N.A.
B-7 Sample No. 1 @ 4'-5'	6.7	1,000	36	11	N.A.
B-10 Sample No. 1 @ 3'-4'	5.7	1,000	110	43	N.A.
B-11 Sample No. 1 @ 2'-3'	6.9	450	260	330	N.A.

Table 2Summary of Corrosivity Test Results

The test results indicate that samples collected from borings B-10 and B-11 may be highly aggressive against concrete. Therefore, we recommend that Type V Portland Cement Concrete (high sulfate resistance) be used for proposed facilities in the project study area. It should be noted here that the most effective way to prevent sulfate attack is to keep the sulfate ions from entering the concrete in the first place. This can be done by using mix designs that give a low permeability (mainly by keeping the water/cement ratio low) and, if practical, by placing moisture barriers between the concrete and the soil.

AGE does not practice in the field of corrosion engineering. In the event that corrosion sensitive facilities are planned, we recommend that a corrosion engineer be retained to perform the necessary corrosion protection evaluation and design.

#### 5.3 Expansive Soil

Based on visual observations and the laboratory test results, the soil materials belonging to the mudstone unit are considered highly expansive. The remainder of soil materials are non-expansive or have a low expansion potential.

#### 5.4 Cut-and-Cover Construction

Since no changes to the existing ground surface are planned, the net stress change in the underlying soils is considered negligible. Furthermore, the native soils at the proposed invert level within the

project study area are expected to provide a stable trench bottom. In the event that loose or disturbed soils are encountered at the trench bottom, it is recommended that they be over-excavated and replaced with bedding or other approved materials.

#### 5.4.1 Excavation Characteristics

The soil materials within the anticipated depths of the proposed trenched excavations consist of manmade fill and formational units which can generally be readily excavated with conventional heavyduty construction equipment. It must be noted that locally high gravel and cobble content and cementation within the Very Old Paralic Deposits may pose difficult excavation conditions even for heavy duty construction equipment.

#### 5.4.2 Loads and Settlement

Utility conduits should be designed for all loads applied by surrounding soils including dead load from soils, loads applied at the ground surface, uplift loads, and earthquake loads. Soil loading above the groundwater level may be estimated assuming a density of 100 pcf for the backfill materials.

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### 5.4.3 Trench Backfill

#### Bedding Zone and Pipe Zone

"Bedding Zone" is defined as the area below the bottom of the conduits and extending over the full trench width, and should be at least 6 inches thick in order to provide a uniform firm foundation material directly beneath the conduits.

The "Pipe Zone" is defined as the full width of a trench from the bottom of the pipe to a horizontal level about 6 inches above the top (crown) of the conduits. In order to provide uniform support and to minimize external loads, trench widths should be selected such that a minimum clear space of 6 inches is provided on each side of the conduits. During backfilling, it is recommended that the backfill materials be placed on each side of the conduits simultaneously to avoid unbalanced loads on the pipe.

Backfill materials placed in the "Bedding Zone" and "Pipe Zone" should consist of clean, free draining sand with a minimum Sand Equivalent value of 50 or crushed rock. Sand should be free of clay, organic matter, and other deleterious materials and conform to the gradation shown below.

	Percent Passing by Weight
Sieve Size	(percent)
½ inch	100
#4	75-100
#16	35-75
#50	10-40
#200	0-10

Crushed rock should conform to Section 200-1.2 and 200-1.3 of the Standard Specifications for Public Works Construction (SSPWC) for 3/4-inch crushed rock gradation. It must be noted that, since the native soil materials do not meet these specifications, import backfill materials will be required for the "Bedding Zone" and "Pipe Zone". If crushed rock is used for pipe zone and bedding backfill materials, we recommend that the rock materials be wrapped in geotextile filter fabric such as Mirafi 140N or equivalent. The purpose of the filter fabric is to prevent migration of fine grained materials from the backfill materials, and the sides and bottom of the trench into the rock bedding materials.

#### Above Pipe Zone

The "Above Pipe Zone" is defined as the full width of the trench from the top of the "Pipe Zone" to the finish grade or bottom of the pavement section. Fill materials within this zone should be free of biodegradable materials, hazardous substance contamination, other deleterious debris, and or rocks or hard lumps greater than 6 inches. If the fill materials contain rocks or hard lumps, at least 70 percent (by weight) of its particles shall pass a U.S. Standard  $\frac{3}{4}$ -inch sieve. Fill materials should consist of predominantly granular soil (less than 40 percent passing the U.S. Standard #200 sieve) with Expansion Index of less than 50.

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Allied Geotechnical Engineers, Inc. 111 | Page Soil materials generated from excavation within the mudstone unit are highly plastic and expansive, and are not considered suitable for use as compacted trench backfill. This unit was encountered at depths varying from 2 feet to 11 feet bgs in borings B-3 thru B-6 and B-11. Soil materials generated from excavations made in the Very Old Paralic Deposits (Lindavista Formation) are likely to contain abundant cobbles. Localized lenses of cobbles may also occur in the San Diego Formation. These materials are not considered suitable for use as compacted trench backfill in their current conditions. We recommend that import soil materials which meet the criteria above be used to backfill trenched excavations extended within these units.

### 5.4.4 Placement and Compaction of Backfill

Prior to placement, all backfill materials should be moisture-conditioned, spread and placed in lifts (layers) not-to-exceed 6 inches in loose (uncompacted) thickness, and uniformly compacted to at least 90 percent relative compaction. During backfilling, the soil moisture content should be maintained at or within 2 to 3 percent above the optimum moisture content of the backfill materials. It is recommended that the upper 24 inches directly beneath the roadway pavement and the base materials be compacted to at least 95 percent relative compaction. The maximum dry density and optimum moisture content of the backfill materials should be determined in the laboratory in accordance with the ASTM D1557 testing procedures.

Small hand-operated compacting equipment should be used for compaction of the backfill materials to an elevation of at least 4 feet above the top (crown) of the pipes. Flooding or jetting should not be used to densify the backfill.

# DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

#### 5.5 Buried Structures

It is recommended that any proposed buried structures be founded on firm native soils or approved compacted materials. In areas where loose or soft soils are encountered at the bottom of the box structure excavations, it is recommended that the loose/soft materials be removed and replaced with 3/4-inch crushed rock materials wrapped in geotextile fabric which meets or exceeds the specifications shown below.

<b>Fabric Property</b>	Min. Certified Values	<b>Test Method</b>
Grab Tensile Strength	300 lb	ASTM D 4632
Grab Tensile Elongation	35% (MAX)	ASTM D 4632
Burst Strength	600 psi	ASTM D 3786
Trapezoid Tear Strength	120 lb	ASTM D 4533
Puncture Strength	130 lb	ASTM D 4833

The actual extent of over-excavation of any loose/soft soil materials should be evaluated and determined in the field by the City's Resident Engineer.

#### 5.5.1 Placement and Compaction of Backfill

Fill materials used around buried structures should meet the criteria for "Above Pipe Zone" backfill presented in Section 5.4.3. Placement and compaction of backfill materials around the buried structures should be performed in accordance with the recommendations presented in Section 5.4.4 of this report.

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#### 5.5.2 <u>Foundations</u>

#### Bearing Capacity

For design of the buried structures which are founded on firm native soils or uniformly compacted fill materials an allowable soil bearing capacity of 3,500 and 2,000 psf may be used, respectively. This allowable soil bearing value is for total dead and live loads, and may be increased by one third when considering seismic loads.

#### Anticipated Settlement

Under static condition, total settlement of the slab foundation is estimated to be less than 0.25 inch. Differential settlement between the center and the edge of the slab foundation is expected not to exceed 0.25 inch. No permanent deformation and/or post-construction settlement is anticipated, provided that backfill around the structures is properly compacted in accordance with the project specifications.

#### Resistance to Lateral Loads

Resistance to lateral loads may be developed by a combination of friction acting at the base of the slab foundation and passive earth pressure developed against the sides of the foundations below grade. Passive pressure and friction may be used in combination, without reduction, in determining the total resistance to lateral loads.

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An allowable passive earth pressure of 250 psf per foot of foundation embedment below grade may be used for the sides of foundations placed against competent native soils or properly compacted fill materials. The maximum recommended allowable passive pressure is 2,500 psf. A coefficient of friction of 0.45 may be used for foundation cast directly on competent native soils or approved compacted materials.

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#### 6.9 CONSTRUCTION-RELATED CONSIDERATIONS

#### 6.1 Construction Dewatering

The depth of the local groundwater table is expected to be well below the anticipated depth of the proposed trenched excavations for this project. No seepage or groundwater was encountered in our soil borings.

We therefore do not anticipate the need for dewatering of trenched excavations made during construction. The contractor should, however, anticipate the possible need for sump pumps in the event that localized perched water conditions are encountered during construction. Localized perched water conditions would most likely occur at the interface between fill materials and formational materials, and/or at the interface between the mudstone unit and the relatively impermeable Very Old Paralic Deposits. The design, installation, and operation of any construction dewatering measures necessary for the project shall be the sole responsibility of the contractor.

#### 6.2 Temporary Shoring

Since the anticipated pipe invert depths will be more than 4 feet below the ground surface, prevailing Federal and Cal OSHA safety regulations require that the trenched excavation be either sloped (if sufficient construction space or easement is available), shored, braced, or protected with approved sliding trench shield. Limited construction space, the presence of other buried utilities, and the need to avoid excessive community disruption dictate that a shored excavation will be needed for the utility undergrounding. Design and construction of temporary shoring should be the sole responsibility of the contractor. 1

#### <u>6.2.1</u> <u>Settlement</u>

Settlement of existing street improvements and/or utilities adjacent to the shoring may occur in proportion to both the distance between shoring system and adjacent structures or utilities and the amount of horizontal deflection of the shoring system. Vertical settlement will be maximum directly adjacent to the shoring system, and decreases as the distance from the shoring increases. At a distance equal to the height of the shoring, settlement is expected to be negligible. Maximum vertical settlement is estimated to be on the order of 75 percent of the horizontal deflection of the shoring be designed to limit the maximum horizontal deflection to 1-inch or less where structures or utilities are to be supported.

It is recommended that pre- and post-construction surveys be conducted to document existing site conditions. Documentation should include photographic and video surveys of the existing facilities and site improvements, as well as field surveys of building floors and pavement structures. We further recommend that a weekly survey of existing utilities be performed during the construction phase.

#### 6.2.2 Lateral Earth Pressures

Temporary shoring should be designed to resist the pressure exerted by the retained soils and any additional lateral forces due to loads placed near the top of the excavation. For design of braced shorings supporting fill materials, the recommended lateral earth pressure should be 32H psf, where

H is equal to the height of the retained earth in feet. For braced shoring supporting Mudstone Unit, Very Old Paralic Deposits, Mission Valley Formation and the San Diego Formation, the recommended lateral earth pressures may be reduced to 20H psf. Any surcharge loads would impose uniform lateral pressure of 0.3q, where "q" equals the uniform surcharge pressure. The surcharge pressure should be applied starting at a depth equal to the distance of the surcharge load from the top of the excavation. In the event that the bottom of the excavation is located below the groundwater level, hydrostatic pressure should be added to the lateral loads.

The recommended lateral earth pressures have been prepared based on the assumptions that the shored earth is level at the surface and that the shoring system is temporary in nature.

#### 6.2.3 Lateral Bearing Capacity

Resistance to lateral loads will be provided by passive soil resistance. The allowable passive pressure for the fill materials may be assumed to be equivalent to a fluid weighing 250 pcf. Allowable lateral bearing pressure in fill material should not exceed 2,500 psf. Allowable passive pressure for the Mudstone Unit, Very Old Paralic Deposits, Mission Valley Formation and the San Diego Formation may be assumed to be equivalent to a fluid weighing 350 pcf, with maximum allowable lateral bearing pressure of 3,500 psf.

#### 6.4 Environmental Considerations

The scope of AGE's investigation did not include the performance of a Phase I Environmental Site Assessment (Phase I ESA) to evaluate the possible presence of soil and/or groundwater contamination beneath the project study area. During our subsurface investigation soil samples were field screened for the presence of volatile organics using a RAE Systems MiniRAE 3000 organic vapor meter (OVM). The field screening did not reveal elevated levels of volatile organics in the samples.

In the event that hazardous or toxic materials are encountered during the construction phase, the contractor should immediately notify the City and be prepared to handle and dispose of such materials in accordance with current industry practices and applicable Local, State and Federal regulations.

## 7.0 GENERAL CONDITIONS

#### 7.1 **Post-Investigation Services**

Post-investigation geotechnical services are an important continuation of this investigation, and we recommend that the City's Construction Inspection Division performs the necessary geotechnical observation and testing services during construction. In the event that the City is unable to perform said services, it is recommended that our firm be retained to provide the services.

Sufficient and timely observation and testing should be performed during excavation, pipeline installation, backfilling and other related earthwork operations. The purpose of the geotechnical observation and testing is to correlate findings of this investigation with the actual subsurface conditions encountered during construction and to provide supplemental recommendations, if necessary.

#### 7.2 Uncertainties and Limitations

The information presented in this report is intended for the sole use of Lee & Ro and other members of the project design team and the City for project design purposes only and may not provide sufficient data to prepare an accurate bid. The contractor should be required to perform an independent evaluation of the subsurface conditions at the project site prior to submitting his/her bid.

AGE has observed and investigated the subsurface conditions only at selected locations in the project study area. The findings and recommendations presented in this report are based on the assumption that the subsurface conditions beneath all project study area do not deviate substantially from those encountered in the exploratory soil borings. Consequently, modifications or changes to the recommendations presented herein may be necessary based on the actual subsurface conditions encountered during construction.

California, including San Diego County, is in an area of high seismic risk. It is generally considered economically unfeasible to build a totally earthquake-resistant project and it is, therefore, possible that a nearby large magnitude earthquake could cause damage at the project site.

Geotechnical engineering and geologic sciences are characterized by uncertainty. Professional judgments and opinions presented in this report are based partly on our evaluation and analysis of the technical data gathered during our present study, partly on our understanding of the scope of the proposed project, and partly on our general experience in geotechnical engineering.

In the performance of our professional services, we have complied with that level of care and skill ordinarily exercised by other members of the geotechnical engineering profession currently practicing under similar circumstances in southern California. Our services consist of professional consultation only, and no warranty of any kind whatsoever, expressed or implied, is made or intended in connection with the work performed. Furthermore, our firm does not guarantee the performance of the project in any respect. AGE does not practice or consult in the field of safety engineering. The contractor will be responsible for the health and safety of his/her personnel and all subcontractors at the construction site. The contractor should notify the City if he or she considers any of the recommendations presented in this report to be unsafe.

# SECTION EIGHT

#### 8.0 **REFERENCES**

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# **APPENDIX** A

# FIELD EXPLORATION PROGRAM

Project No. 174 GS-15 Appendix A, Sheet 1

#### APPENDIX A

#### FIELD EXPLORATION PROGRAM

The field exploration program for this project was performed between December 2 and 4, 2015, and included the performance of a total of twelve (12) soil borings. The borings were advanced to depths ranging between 5 feet and 12 feet below the existing ground surface (bgs) using conventional hollow-stem auger drilling methods. The borings were performed with a CME 95 truck-mounted drill rig or equivalent.

Prior to commencement of the field exploration activities, several site visits were performed to observe existing conditions and to select suitable locations for the borings. Subsequently, Underground Service Alert (USA) was contacted to coordinate clearance of the proposed boring locations with respect to existing buried utilities. Traffic control permits were obtained from the City of San Diego to perform the borings.

During drilling, Standard Penetration Tests (SPT) were performed at selected depth intervals. The SPT tests involve the use of a specially manufactured "split spoon" sampler which is driven into the soils at the bottom of the borehole by dropping a 140-pound weight from a height of 30 inches. The number of blows required to penetrate each 6-inch increment was counted and recorded on the field logs, and have been used to evaluate the relative density and consistency of the materials. The blow counts were subsequently corrected for sample type, hammer model, groundwater and surcharge. The corrected blow counts are shown on the boring logs.

Relatively undisturbed samples were obtained by driving a 3-inch (OD) diameter standard California sampler with a special cutting tip and inside lining of thin brass rings into the soils at the bottom of the borehole. The sampler is driven a distance of 12 inches into the soils at the bottom of the borehole by dropping a 140-pound weight from a height of 30 inches. A 6-inch long section of the soil samples that were retained in the brass rings were extracted from the sampling tube and transported to our laboratory in close-fitting, waterproof containers. The samples were field screened for the presence of volatile organics using a RAE Systems MiniRAE 3000 organic vapor meter (OVM). The OVM readings are indicated on the boring logs.

Following completion of the drilling and sampling activities, the borings were backfilled using bentonite chips and soil cuttings to approximately 12 inches below the ground surface, and capped with hot-mix asphalt to match the adjacent pavement surface.



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	KEY TO LOG OF BORING (CONTINUED)											
DEPTH (FEET)	SAMPLES	BLOW COUNTS (BLOWS/FOOT)	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE (% DRY WT.)	DRY DENSITY (PCF)	REMARKS				
1 - 2 - 3 - 3 - 4 - 3 - 4 - 5 - 7 - 10 - 10 - 11 - 12 - 11 - 11 - 11 - 11					<ul> <li>-? — -? - APPROXIMATE GEOLOGIC CONTACT</li> <li>FILL</li> <li>SAND</li> <li>CLAY</li> <li>SILT</li> <li>GRAVELS &amp; COBBLES</li> <li>GENERAL NOTES</li> <li>1. Approximate elevation and locations of bori</li> <li>2. Soil descriptions are based on visual classifiex ploration and, where deemed appropriate the results of laboratory tests.</li> <li>3. Descriptions on the boring logs apply only a at the times the borings were performed. The representative of subsurface conditions at context of subsurface context of su</li></ul>	fication r e, have b at the spe hey are	nade dui een moo ecific boi not warri	ring the field dified based on ring locations and anted to be				
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC. FIGURE A-2											

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DAT	BORING NO. B-1 ATE OF DRILLING: DECEMBER2, 2015 TOTAL BORING DEPTH: 12 FEET										
	ENERAL LOCATION: IN FRONT OF 6113 ACORN STREET         IPPROXIMATE SURFACE ELEV.: +457 FEET MSL         DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC										
DRILLING METHOD: 8 INCH HSA LOGGED BY: NICK BARNES											
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS/CU, FT,	REMARKS		
					PAVEMENT SECTION: 4"						
1- 2- 3-			- - - -		VERY OLD PARALIC DEPOS Reddish yellow to dark yellowi dense, gravelly silty sand(SM)	sh brown, damp to wet,			2		
4 5 6 7	1 2	27	1.0		SAN DIEGO FORMATION Pale yellow brown, damp, med micaceous silty sand (SM).	GAN DIEGO FORMATION Pale yellow brown, damp, medium dense, fine-grained,					
7- 3 8- 9- 10-											
11-	4	48	0.9		Soil becomes pale yellow to o	live yellow and dense.	6.6	109.9			
. 12					NOTES: Bottom of borehole at 12 f No groundwater or seepag at time of drilling.	ge encountored	· · · · · · · · · · · · · · · · · · ·	-			
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS								FIGURE A-3		

	BORING NO. B-2										
	TE OF DRILLING: DECEMBER 2, 2015 TOTAL BORING DEPTH: 12 FEET VERAL LOCATION: IN FRONT OF 6162 ACORN STREET										
						+470 FEET MSL	RI-COUNTY	/ DRILLING	9. INC		
DR	DRILLING METHOD: 8 INCH HSA LOGGED BY: NICK BARNES										
DEPTH (FEET)	SAMPLES		BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBSJCU. FT.	REMARKS	
						PAVEMENT SECTION: 6" A	.C. & no base.			·····	
1 2					· _?-	<b>FILL:</b> Medium brown, damp,	gravelly silty sand(SM). — — — — — ?— -			?	
3- 5- 6- 7- 9- 10- 11-	1 2 3		69	0.1		VERY OLD PARALIC DEPOS Yellowish red to reddish yellow gravelly silty sand (SM) with th brown, wet, stiff, sandy lean d sub-rounded up to 2" in maxin	6.2 8.7	111.9			
12		N	00	012	0						
						NOTES: Bottom of borehole at 12 No groundwater or seep at time of drilling.					
PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC. FIGURE								FIGURE A-4			

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BORING NO. B-3 DATE OF DRILLING: DECEMBER 2, 2015 TOTAL BORING DEPTH: 7.5 FEET										
GENERAL LOCATION: IN FRONT OF 4637 62ND STREET         APPROXIMATE SURFACE ELEV.: +474 FEET MSL         DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC										
DRILLING METHOD: 8 INCH	DRILLING	, ING								
PEPTH (FEET) SAMPLES BAMPLES BLOWS/FOOT BLOWS/FOOT (PPM)	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS					
	PAVEMENT SECTION: 5" A	.C. over 3" misc. base.								
	MUDSTONE UNIT Grayish brown to brown, dat clay (CL/CH).	mp, stiff to very stiff, sandy POSITS sh yellow, damp, dense, red sub-rounded gravels up on.	9.9	125.6	No sample recovery ?					
PROJECT NO. 174 GS-15		FIGURE A-5								

. . . ..... ...

DA	BORING NO. B-4           TE OF DRILLING: DECEMBER 2, 2015         TOTAL BORING DEPTH: 12 FEET										
GEI	NERAL LC	CATIO	N: IN FF	RONT	OF 4960 63RD STREET	· · · · · · · · · · · · · · · · · · ·					
	ILLING MI				+475 FEET MSL	DRILLING CONTRACTOR: TH LOGGED BY: NICK BARNES		DRILLING	). INC		
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LÓG				DRY DENSITY LBS/CU. FT.	REMARKS		
					PAVEMENT SECTION: 4" A.C. over 4" misc. base.						
1 - 2 - 3 - 4 - 5 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 12 - 12 - 12 - 12 - 12	1 2 3 4	8	0.7		PAVEMENT SECTION: 4" A. MUDSTONE UNIT Gray to grayish brown, wet, n (CL/CH) with occasional sub- in maximum dimension. Sharp con VERY OLD PARALIC DEP Pale yellowish brown, damp medium grained, micaceous NOTES: Bottom of borehole at 12 fe No groundwater or seepaga at time of drilling	nedium stiff, sandy clay rounded gravels up to 2" ntact <b>POSITS</b> to to wet, dense, fine to s, silty sand (SM).	23.2	98.5	· · · · · · · · · · · · · · · · · · ·		
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC. FIGURE A-6								FIGURE A-6		

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	BORING NO. B-5 ATE OF DRILLING: DECEMBER2, 2015 TOTAL BORING DEPTH: 5 FEET										
					OF 4610 63RD STREET			····			
					+474 FEET MSL	DRILLING CONTRACTOR: TF	RI-COUNTY	DRILLING	3. INC		
DR	ILLING	METHO	D: 8 INC	H HSA		LOGGED BY: NICK BARNES	T				
рертн (FEET)	SAMPLES	BLOW COUNTS BLOW COUNTS	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY Les./Cu. FT.	REMARKS		
				İ	PAVEMENT SECTION: 4" A						
1-				_2	FILL: Yellow brown, damp, g	FILL: Yellow brown, damp, gravelly silty sand (SM).					
2-	1			0 0	MUDSTONE UNIT: Dark gra stiff, sandy clay (CL/CH) with	traces of gravel up to 3/4".					
3 4	i			0000 0000 0000	VERY OLD PARALIC DEPC damp, very dense, gravelly/c	SITS: Yellowish brown,					
5				•	NOTES:						
1					Bottom of borehole at 5 feet	• .					
					Refusal on dense gravels ar	nd cobbles at 5 feet.					
					No groundwater or seepage at time of drilling.	encountered					
									1		
			···· · · · · · · · · · · · · · · · · ·				<b></b>		مەلىي بىرى بىرى قىلىرى قىلىرى بىرى بىرى بىرى بىرى بىرى بىرى بىرى		
		JECT 38-15	NO,		ALLIED GEOTECH	NICAL ENGINEER	S, INC		FIGURE A-7		

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DA	BORING NO. B-6           ATE OF DRILLING: DECEMBER 3, 2015         TOTAL BORING DEPTH: 12 FEET									
	ENERAL LOCATION: IN FRONT OF 6410 STANLEY AVENUE PPROXIMATE SURFACE ELEV.: +468 FEET MSL DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC									
	APPROXIMATE SURFACE ELEV.: +468 FEET MSL DRILLING CONTRACTOR: TRI-COUNTY D DRILLING METHOD: 8 INCH HSA LOGGED BY: NICK BARNES									3. INC.,
(FEET)	SAMPLES		BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS/CU. FT.	REMARKS
1-					$\square$	<b>PAVEMENT SECTION:</b> 5 1/2 <b>MUDSTONE UNIT:</b> Grayish I sandy clay (CL/CH).				
$\begin{array}{c} 2 - \\ 3 - \\ 4 - \\ 5 - \\ 6 - \\ 7 - \\ 8 - \\ 9 - \\ 10 - \\ 11 - \\ 11 - \\ 12 \end{array}$	1 2 3		38	0.3		VERY OLD PARALIC DEPOSITS Pale yellowish brown to reddish yellow, damp to wet, dense, silty sand (SM) with traces of sub-rounded gravel up to 1" in maximum dimension. Abundant gravel at depth of 8 feet		14.2	104.6	
12	Ø ⊘ ⊘					Bottom of borehole at 12 f No groundwater or seepa				
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC.							•	FIGURE A-8	

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DAT	BORING NO. B-7 ATE OF DRILLING: DECEMBER 3, 2015 TOTAL BORING DEPTH: 12 FEET										
GEN	IERAL L	OCATIO	N: IN FF								
	APPROXIMATE SURFACE ELEV.: +460 FEET MSL         DRILLING CONTRACTOR: TRI-COUNT           DRILLING METHOD: 8 INCH HSA         LOGGED BY: NICK BARNES								a, INO,,		
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWSFOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT,	DRY DENSITY LBSJCU. FT.	REMARKS		
					PAVEMENT SECTION: 6 1/2	2" A.C. & no base.					
1 2 3-				<u>, 70, 0, 0</u>	VERY OLD PARALIC DEPO Yellowish brown to reddish ye silty sand (SM).			· ·			
4- 5-	1				SAN DIEGO FORMATION						
6- 7-	2	40	0.7		Pale yellowish brown to olive fine to medlum-grained, mica	yellow, damp, dense, ceous, silty sand (SM).	11.7	:			
. 8 9 10	B- b- b- b- b- c- c- c- c- c- c- c- c- c- c								,		
11- 12-	3	46 <b>6</b>						No sample recovery			
	NOTES: Bottom of borehole at 12 feet. No groundwater or seepage encountered at time of drilling.										
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC. FIGURE A-9										

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DA	BORING NO. B-8           ATE OF DRILLING: DECEMBER 4, 2015         TOTAL BORING DEPTH: 12 FEET										
GE	ENERAL LOCATION: IN FRONT OF 4515 REVILLO WAY PPROXIMATE SURFACE ELEV.: +416 FEET MSL DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC										
	PROXIMA					' DRILLING	5. INC				
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG		SOIL DESCRIPTION		DRY DENSITY Les./CU. FT.	REMARKS		
					PAVEMENT SECTION: 4" A.C. & no base.				· ·······		
1- 2- 3- 4- 5- 6- 7-	1 2 3	31	0.5		FILL Light gray to medium brown, clayey sand (SC).	damp, silty sand (SM) and	6.8	112.8			
8- 9 10- 11- 12-	4	48	0.4		MISSION VALLEY FORMAT Whitish gray to light gray, da micaceous, silty sand (SM).		13.1		?		
	NOTES: Bottom of borehole at 12 feet. No groundwater or seepage encountered at time of drilling.										
	PROJECT NO. 174 GS-15 ALLIED GEOTECHNICAL ENGINEERS, INC. FIGURE A-10										

	BORING NO. B-9										
	DATE OF DRILLING: DECEMBER 3, 2015 TOTAL BORING DEPTH: 12 FEET GENERAL LOCATION: IN FRONT OF 6550 BRADFORD STREET										
	APPROXIMATE SURFACE ELEV.: +457 FEET MSL DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC										
DR	RILLING METHOD: 8 INCH HSA LOGGED BY: NICK BARNES										
DEPTH (FEET)	SAMPLES	SAMPLES RECOVERED ING (PPM) COM READING (PPM) SOIT DESCRIDTION			FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS				
	PAVEMENT SECTION: 6" A.C. & no ba					6" A.C. & no base.					
1 2 3 4 5 6- 7 8-	1 2 3	30	. 1.1		FILL Medium brown to brownish y sand (SM). Gravels sub-roun maximum dimension. SAN DIEGO FORMATION Yellowish brown to olive yello	ded to fractured, to 3" 	5.3		?		
9 10	4	100+	0.7		dense, fine-grained silty sand to 2" maximum dimension.	I(SM) with scattered gravel	7.3	102.3			
11-	<u>K</u>			<u>.                                    </u>	anna Malanda a na an Anglanda a an Anglanda				,		
					NOTES: Bottom of borehole at 11 fe No groundwater or seepage at time of drilling.						
	PROJECT NO. 174 GS-15				ALLIED GEOTECHNICAL ENGINEERS, INC.				FIGURE A-11		

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BORING NO. B-10											
	DATE OF DRILLING: DECEMBER 3, 2015 TOTAL BORING DEPTH: 12 FEET GENERAL LOCATION: IN FRONT 6319 BRADFORD STREET										
						+465 FEET MSL	DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC				
	DRILLING METHOD: 8 INCH HSA						LOGGED BY: NICK BARNES				
DEPTH (FEET)	SAMPLES	SAMPLES BLOWSFFOOT COM READING (PPM) COG COG COG COG COG COG COG COG COG COG				FIELD MOISTURE % DRY WT.	DRY DENSITY Les./CU. FT.	REMARKS			
	PAVEMENT SECTION					PAVEMENT SECTION: 6 1/2	" A.C. & no base.			· · · · · · · · · · · · · · · · · · ·	
1- 2- 3- 4- 5- 7- 8-	1 2 3		76			VERY OLD PARALIC DEPO: Reddish yellow to yellow brow dense, gravelly/cobbly silty sa cobbles are sub-rounded, up t	n, damp, dense to very nd (SM). Gravels and			No sample recovery	
9 10 11 12	4	7	53	0.7		SAN DIEGO FORMATION Yellow to olive yellow, damp, dense, fine-grained, micaceou traces of gravel up to 1" in ma NOTES:	us, silty sand (SM) with	14.3	105.6		
	Bottom of borehole at 12 feet,										
	No groundwater or seepage encountered at time of drilling.										

PROJECT NO. 174 GS-15

FIGURE A-12

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DA.	BORING NO. B-11 DATE OF DRILLING: DECEMBER 4, 2015 TOTAL BORING DEPTH: 12 FEET									
GEN	GENERAL LOCATION: IN FRONT 4454 ARENDO DRIVE									
					+471 FEET MSL	DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC.,				
DR	RILLING METHOD: 8 INCH HSA					LOGGED BY: NICK BARNES				
0EPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU, FT.	REMARKS	
					PAVEMENT SECTION: 3	1/2" A.C. and no base.				
1- 2-	FiLL: Yellow brown, damp, gravelly silty sand (SM).		ravelly silty sand (SM). — — — — ?— -		,					
3- 4- 5- 7- 7- 9- 10- 11-	1 2 3	40	0.1 ? ? 0.3		MUDSTONE UNIT Medium gray to grayish brow very stiff, sandy clay (CL/CH) VERY OLD PARALIC DEPC Yellow brown to reddish yelk dense, gravely silty sand (SM SAN DIEGO FORMATION: L dense, fine-grained, micaceou of sub-rounded gravel up to 1	). <b>SITS</b> w, damp, dense to very A). ??? light yellow brown, damp, s silty sand (SM) with traces	9.9	131.0	! ?	
12_					NOTES: Bottom of borehole at 12 feet No groundwater or seepage at time of drilling.					
	PROJECT NO. 174 GS-15				ALLIED GEOTECHNICAL ENGINEERS, INC.				FIGURE A-13	

. . . . .
							BORING NO. B-12			······································
						3, 2015 OF 6150 ESTELLE STREET	TOTAL BORING	DEPTH: 12	? FEET	
API	PROXI	MAT	'E SUF	RFACE E	LEV.:	+463 FEET MSL	DRILLING CONTRACTOR: TR	RI-COUNTY	DRILLING	6. INC
DR	ILLING	3 ME	THOD	: 8 INC	1 HSA		LOGGED BY: NICK BARNES	r		······
DEPTH (FEET)	SAMPLES		BLOW COUNTS	OVM READING (PPM)	GRAPHIC LOG	SOIL DESC	RIPTION	FIELD Moisture % DRY WT.	DRY DENSITY LBS/CU. FT.	REMARKS
						PAVEMENT SECTION: 7" A.	C. & no base.			
1 2				?		FILL: Yellow brown, wet, grav	relly silty sand (SM).			
3-						VERY OLD PARALIC DEPO	sits			
4 5-	1			?_	<u>6 . 40</u>	Yellowish brown to reddish ye gravelly siity sand (SM). Grav in maximum dimension.	illow, damp to wet, dense, els are sub-rounded, up to 1" — — — — — — — 2— -			
6-	2	L	10	1.4	۱. ا	SAN DIEGO FORMATION	·	14.3		
7- 8- 9-	3					Yellowish brown to brownish y dense, fine-grained, micaceou	vellow, damp to wet, medium us, silty sand(SM).			
10-										
11- 12-	4	$\square$	23	0.7	ʻl:.'	Becoming light yellow brown	to olive yellow in color.	7.3	98.4	
						NOTES: Bottom of borehole at 12 No groundwater or seepa at time of drilling.				
	PRO 174 (			0.	4	ALLIED GEOTECHI	NICAL ENGINEER	S, INC.		FIGURE A-14

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# **APPENDIX B**

# LABORATORY TESTING

Project No. 174 GS-15 Appendix B, Sheet 1

### APPENDIX B

### LABORATORY TESTING

Selected soil samples were tested in the laboratory to verify visual field classifications and to evaluate certain engineering characteristics. The testing was performed in accordance with the American Society for Testing and Materials (ASTM) or other generally accepted test methods, and included the following:

- Determination of in-place moisture content (ASTM D2216). The final test results are presented on the boring logs;
- Determination of in-place dry density and moisture content (ASTM D2937) based on relatively undisturbed drive samples. The final test results are presented on the boring logs;
- Maximum density and optimum moisture content (ASTM D1557). The final test results are presented on Figures B-1 and B-2;
- Sieve and hydrometer analyses (ASTM D422), and the final test results are plotted as gradation curves on Figures B-3 and B-4;
- Expansion index (ASTM D4829). The final test results are presented in Table B-1; and
- Atterberg Limits (ASTM D4318) and the test results are presented in Table B-1.

In addition, representative samples of the onsite soil materials were delivered to Clarkson Laboratory and Supply, Inc. for analytical (chemical) testing to determine soil pH and resistivity, soluble sulfate and chloride concentrations, and bicarbonate content. Copies of Clarkson's laboratory test data reports are included herein. Project No. 174 GS-15 Appendix B, Sheet 2

### Table B-1

## Summary of Expansion Index and Atterberg Limit Test Results

Sample ID	Expansion Index	Liquid Limit	Plastic Limit	Plasticity Index
B-3 #2 @3'-6'	39	29	8	21
B-4 # 2 @5'-8'	84	38	10	28
B-11 #2 @3'-5'	31	31	8	23

Block 7G2 UUP Attachment E – Technical Specifications

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Block 7G2 UUP Attachment E – Technical Specifications



Block 7G2 UUP Attachment E – Technical Specifications



Attachment E - Technical Specifications



#### LABORATORY REPORT

Telephone (619) 425-1993Fax 425-7917Established 1928CLARKSON LABORATORY AND SUPPLY INC.

350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com ANALYTICAL AND CONSULTING CHEMISTS

Date: December 14, 2015 Purchase Order Number: PROJECT#174GS-15 Sales Order Number: 29554 Account Number: ALLG To:

Allied Geotechnical Engineers 1810 Gillespie Way Ste 104 El Cajon, CA 92020 Attention: Sani Sutanto

Laboratory Number: S05878-1 Customers Phone: 449-5900 Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm, taken on 12/10/15 from Project# 174 GS-15 Block 7G2 Undergrounding marked as B-3 #1 @ 2'-3.

Analysis By California Test 643, 1999, Department of Transportation Division of Construction, Method for Estimating the Service Life of Steel Culverts.

pH 8.3

Water Added (ml)

Resistivity (ohm-cm)

10	1700
5	950
5	870
5	900
5	950

29 years to perforation for a 16 gauge metal culvert. 38 years to perforation for a 14 gauge metal culvert. 52 years to perforation for a 12 gauge metal culvert. 66 years to perforation for a 10 gauge metal culvert. 81 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 4170.020% (200ppm)Water Soluble Chloride Calif. Test 4220.007% (75ppm)Bicarbonate (as CaCO 3)N/A

Bicarbonate (as  $CaCO_3$ ) (In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

Laura Torres LT/ilv

> Block 7G2 UUP Attachment E – Technical Specifications

#### LABORATORY REPORT

**Telephone (619) 425-1993** Fax 425-7917 Established 1928 CLARKSON LABORATORY AND SUPPLY INC. 350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com ANALYTICAL AND CONSULTING CHEMISTS Date: December 16, 2015 Purchase Order Number: PROJECT#174GS-15 Sales Order Number: 29554 Account Number: ALLG To: \*----Allied Geotechnical Engineers 1810 Gillespie Way Ste 104 El Cajon, CA 92020 Attention: Sani Sutanto Laboratory Number: S05878-2 Customers Phone: 449-5900 Fax: 449-5902 Sample Designation: ----\* One soil sample received on 12/10/15 at 1:20pm, taken on 12/10/15 from Block 7G2 Undergrounding marked as B-4 #1 @ 2'-3' Analysis By California Test 643, 1999, Department of Transportation Division of Construction, Method for Estimating the Service Life of Steel Culverts. pH 8.2 Water Added (ml) Resistivity (ohm-cm) 10 4300 5 1600 5 1100 5 760 5 760 5 780 5 800 27 years to perforation for a 16 gauge metal culvert. 36 years to perforation for a 14 gauge metal culvert. 49 years to perforation for a 12 gauge metal culvert. 63 years to perforation for a 10 gauge metal culvert. 76 years to perforation for a 8 gauge metal culvert. Water Soluble Sulfate Calif. Test 417 0.016% (160 ppm)

Water Soluble Chloride Calif. Test 422

Bicarbonate (as CaCO ,) (In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

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Laura Torres LT/dbb

> Block 7G2 UUP Attachment E – Technical Specifications

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0.002% (21 ppm)

N/A

#### LABORATORY REPORT

Telephone (619) 425-1993 Fax 425-7917 Established 1928 CLARKSON LABORATORY AND SUPPLY INC. 350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com ANALYTICAL AND CONSULTING CHEMISTS Date: December 14, 2015 Purchase Order Number: PROJECT#174GS-15 Sales Order Number: 29554 Account Number: ALLG To: \*----Allied Geotechnical Engineers 1810 Gillespie Way Ste 104 El Cajon, CA 92020 Attention: Sani Sutanto Laboratory Number: S05878-3 Customers Phone: 449-5900 Fax: 449-5902 Sample Designation: \*----One soil sample received on 12/10/15 at 1:20pm, taken on 12/10/15 from Block 7G2 Undergrounding marked as B-7 #1 @ 4'-5'. Analysis By California Test 643, 1999, Department of Transportation Division of Construction, Method for Estimating the Service Life of Steel Culverts. pH 6.7 Resistivity (ohm-cm) Water Added (ml) 3000 10 1800 5 5 1100 5 1000 1300 5 1500 5 17 years to perforation for a 16 gauge metal culvert. 22 years to perforation for a 14 gauge metal culvert. 31 years to perforation for a 12 gauge metal culvert. 39 years to perforation for a 10 gauge metal culvert. 48 years to perforation for a 8 gauge metal culvert. 0.004% ( 36ppm) Water Soluble Sulfate Calif. Test 417 0.001% ( 11ppm) Water Soluble Chloride Calif. Test 422 N/A Bicarbonate (as CaCO<sub>3</sub>) (In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

Torres

Laura Torre: LT/ilv

Block 7G2 UUP Attachment E – Technical Specifications

REPORT LABORATORY Telephone (619) 425-1993 Fax 425-7917 Established 1928 CLARKSON LABORATORY AND SUPPLY INC. 350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com ANALYTICAL AND CONSULTING CHEMISTS Date: December 14, 2015 Purchase Order Number: PROJECT#174GS-15 Sales Order Number: 29554 Account Number: ALLG To: \*---Allied Geotechnical Engineers 1810 Gillespie Way Ste 104 El Cajon, CA 92020 Attention: Sani Sutanto Laboratory Number: S05878-4 Customers Phone: 449-5900 Fax: 449-5902 Sample Designation: \*----One soil sample received on 12/10/15 at 1:20pm, taken on 12/10/15 from Block 7G2 Undergrounding marked as B-10 #1 @ 3'-4'. Analysis By California Test 643, 1999, Department of Transportation Division of Construction, Method for Estimating the Service Life of Steel Culverts. pH 5.7 Water Added (ml) Resistivity (ohm-cm) 10 3500 1900 5 5 1300 5 1000 5 1100 5 1300 5 1600 9 years to perforation for a 16 gauge metal culvert. 12 years to perforation for a 14 gauge metal culvert. 17 years to perforation for a 12 gauge metal culvert. 22 years to perforation for a 10 gauge metal culvert. 26 years to perforation for a 8 gauge metal culvert. Water Soluble Sulfate Calif. Test 417 0.011% (110ppm)

Water Soluble Chloride Calif. Test 422 0.004% (43ppm) Bicarbonate (as CaCO<sub>3</sub>) N/A (In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

Laura Torres

Laura Torres LT/ram Block 7G2 UUP Attachment E – Technical Specifications

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#### LABORATORY REPORT

Telephone (619) 425-1993 Fax 425-7917 Established 1928 CLARKSON LABORATORY AND SUPPLY INC. 350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com ANALYTICAL AND CONSULTING CHEMISTS Date: December 16, 2015 Purchase Order Number: PROJECT#174GS-15 Sales Order Number: 29554 Account Number: ALLG To: \*\_ Allied Geotechnical Engineers 1810 Gillespie Way Ste 104 El Cajon, CA 92020 Attention: Sani Sutanto Laboratory Number: S05878-5 Customers Phone: 449-5900 Fax: 449-5902 Sample Designation: \*----One soil sample received on 12/10/15 at 1:20pm, taken on 12/10/15 from Block 7G2 Undergrounding marked as B-11 #1 @ 2'-3' Analysis By California Test 643, 1999, Department of Transportation Division of Construction, Method for Estimating the Service Life of Steel Culverts. pH 6.9 Water Added (ml) Resistivity (ohm-cm) 10 2100 5 1100 5 550 55 460 450 5 470 5 490 13 years to perforation for a 16 gauge metal culvert. 17 years to perforation for a 14 gauge metal culvert. 24 years to perforation for a 12 gauge metal culvert. 30 years to perforation for a 10 gauge metal culvert. 37 years to perforation for a 8 gauge metal culvert. Water Soluble Sulfate Calif. Test 417 0.026% (260 ppm) Water Soluble Chloride Calif. Test 422 0.033% (330 ppm) Bicarbonate (as CaCO<sub>3</sub>) N/A (In a saturated soil paste extract) Note: N/A = Unable to determine due to the texture of the soil (Clay).

Laura Torres

LT/dbb

Block 7G2 UUP Attachment E – Technical Specifications 154 | Page

# UTILITIES UNDERGROUNDING PROGRAM Block 7G2 SDG&E DESIGN BY LOCATION (DBL) SHEETS

<u>155 | Page</u>

USER ID: TS22040

PROJECT: 253568	NAME: ROLANDO BLK 7G2 20SD CONV	STATUS: ACT
JOB: 01 REV: 0 TYPE: ÚD	NAME: ROLANDO BLK 7G2 -T&C JOB 1	STATUS: ACT
WORK ORDER: 2960700		
DESIGN: 01	NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: ACT

LOCATIONS: THROUGH

PRINTER ID: EMAIL \_\_\_\_NOTE: DUE TO THE SIZE OF YOUR REPORT IT HAS BEEN REPOUTED TO THE MAIN COMPUTER CENTER

COPIES REQUESTED: 1

DISTRIBUTE TO: SHARON K DENKINS

JOB PRIORITY: 1

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELECTRIC DPSS - DESIGN REVIEW COPY - DETAIL		PAGE NO 2
	NAME: ROLANDO BLK 7G2 -T&C JOB 1		WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: ACT		
LOCATION: VARIOUS LOCATIONS	ADDRESS:	CITY: SD THE	OMAS BROTHERS: 1270-C4
DISTRICT: CM ADDRESS: 701-C 33RD ST	SAN DIEGO 92102 PHONE: 699-1039	COST CENTE	R:
DESIGNED BY: GEORGE BONNER	PHONE: 999-9999		
JOB COORD: DEBORA E RITCH	PHONE: 636-3968 PROJECT MGR: DEBORA E RITCH		PHONE: 636-3968
CONSTRUCTION REVIEW BY:	DATE:		
RIGHT-OF-WAY REQUIRED: INFO: PERMITS REQUIRED: AGENCY: TRAFFIC CONTROL REQ: PLAN NO:	PHONE: ( ) - PHONE: ( ) -		
EXISTING FACILITIES INSTALLED ON:		<del></del>	
RELATED CONSTRUCTION JO		PLANS / REFERENC	E MAPS
WO# PROJ JOB REV TYPE	NAME TYPE NUMBE	R	DESCRIPTION
NO RELATED CONSTRUCTION JOBS FOU		/ REFERENCE MAPS	FOUND
ONE-WAY TRAVEL HOURS: 0.5 YARD TIME: 1	.2 TRAVEL / YARD FACTOR: 0.3793		
CONTINGENCY FACTORS: NO CONTINGENCY FAC	TORS FOUND		
ESTIMATED CREW REQUIREMENTS: CREW TYPE	DESCRIPTION	CREW HOURS	

.

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELECTRIC DPSS - DESIGN REVIEW COPY - DETAIL	PAGE NO 3
PROJECT: 253568 JOB:01 REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -T&C JOB 1	STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: ACT	
LOCATION: VARIOUS LOCATIONS	ADDRESS:	CITY: SD THOMAS BROTHERS: 1270-C4
DISTRICT: CM ADDRESS: 701-C 33RD ST	SAN DIEGO 92102 PHONE: 699-1039	COST CENTER:
DESIGNED BY: GEORGE BONNER	PHONE: 999-9999	
JOB COORD: DEBORA E RITCH	PHONE: 636-3968 PROJECT MGR: DEBORA E RITCH	PHONE: 636-3968

CONST NOTES: NO CONSTRUCTION NOTES FOUND

P001EM2-LC 9/05/17 11	:36						DIEGO GAS AN ESIGN REVIEV									Pž	AGE NO	4
	3568	JOB:01	REV:0	TYPE:			LANDO BLK 70	92 - T&C JO	B 1				s	TATUS: AC	T WC	RK ORDEI	R: 29607	00
ESIGN: 01							STA:	IUS; ACT										
							EORGE BONNER						PHON	E: 999- <b>9</b> 9	99	LOCATIO	N 001 OF	587
F-C MU ID	  AU ID	STOCK#	1	DESCRIPI	ION/CO	NSTRUCTIO	ON NOTES	QTY   RQD	I UM	RSP	RSPI				TYPE	EST    HOURS		
-N   	PUMP-S		PUMP #					•	I I EA	1 1 1	1	Ī	i		PUMP1   2WF3	2.01		
-N	I IVENT-C		   TEST/V 	ENTI LATI	М.Н.	(CONNECT	IONS)	t		ניו ויטו	1		с		  2WF3 	0.4		
-N [	iln→s/u	i i	TC-LAN	E CLOSUE	RE ÚRBA	N STREET		i I	1   EA	וש	1	Ş	CI			1.01		
	LN/S/S		LANE C	LOSURE (	JRBAN S	T (STREE	T REPAIR)			υΙ					TC4	1.01		
IORK FAC			EXIS	T TAG	NEW T	AG			(	CONST	RUCT	ION	NOTE	S				
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DP001EM2-L4 09/05/17 1		001					AN DIE - DESI					TAII	_							I	AGE NO	) 5
PROJECT: 2			REV:0														STATUS:	ACT	WO	RK ORDE	R: 29	50700
DESIGN: 01									STAT	US: A												
LOCATION:			DISTRICT		DESIC	NED BY		RGE B	ONNER	Ł							VE: 999-			LOCATIO	N 002	OF 587
	  AU ID	  stock⊭	1 ] ]	DESCRII	PTION/C	CONSTRU				I	QTY		WRK	MA	TITIN	ACC	STANDAE PAGE	RD  CR  TY	EW PE			
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WORK FA		C	EXIS	T TAG	NEW	TAG	***						CONS	TRU	CTION	NOT	ES					
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	3568	JOB:01	DPS: REV:0 TYPE: UD NAM	: ROLANDO BLK 7G2	-T&C JOB	1				S	STATUS: AC	T WO			00
			DO BLK 7G2 T&C JOB 1 DISTRICT: CM DESIGNED I	STATUS SY: GEORGE BONNER						PHON	VE: 999-99	99 3	LOCATION	1 003 OF	
WRKI		1	DESCRIPTION/CONSTI		L QTY	]	WRK	MAT	TIM	ACC	STANDARD	CREW			
I-N	+	+4	HAND DIG TRENCH 3 FT D		+	+	+ [ C	∻ <b></b> -+ 	S	c i	G7453	+ [3-WF3	++-   11.3		
I-N  ]	  BKF-3' 	i i	BACKFILL TRENCH 3 FOOT 1	DEEP	   30	]   FT 	•	i i	s i	C	1	13-WF3 1C-BC	0.51		
I-N    	l I	611492  	SHADE TRENCH WITH SAND SAND, FILL RECYCLED 1		2	TN 	i			+	G7405 	3-WF3   C-BH   C-DT	   0.1    0.1    0.1		
I-N	i	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT		30   30	  FT  FT	C 		SI		3373.1		i i		
I-NI	IR-XCES		EXCESS TRENCH SPOIL (1. DUMPING FEE	2 IN DEEP)	i 30 I 3	•	i c I	   C	SI	¢	[		0.8		
I-N	1-35L8   	  321878   656400	1-3 IN DB 45 D 36 IN R BEND CONDUIT DB 3 IN SLURRY MIX, 1 SACK SA	45 D 36 IN R	1   1   1	EA   EA   CY	C   		S     	Ç	3373.2	i.	1 0.1		
I-N    	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURR CONDUIT DB 3 IN 20 FT SLURRY MIX, 1 SACK SA	length ND	33   33   1	FT   CY	C   		S   		1	  3-WF3   	0.5    0.5  		
I-N	   LN-S/U	1	TC-LANE CLOSURE URBAN S	FREET	įi	,	i c	1				TC3	1.0		
	r		   LANE CLOSURE URBAN ST (.				1 1 C		\$	с	I I	TC4	1.0		
WORK FAC FUNC CODE			EXIST TAG NEW TAG				CONS	TRUCI	ION	NOT	es				
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ROJE	CT: 25	3568	JOB:01		NAME: ROLANDO BLK 7G2	-T&C JOB	1				5	STATUS: AC	T WO	RK ORDE	R: 2960	700
ESIG				DO BLK 7G2 T&C JOB 1	STATU:	5: ACT										
OCAI	TON: 0	04 SHEI	ST: 01	DISTRICT: CM DESIG	GNED BY: GEORGE BONNER						PHOI	NE: 999-99	99	LOCATIO	N 004 C	F 58
	MU ID	AU ID		DESCRIPTION/C	CONSTRUCTION NOTES	i ROD	ITIM		RS₽	TRT [	TRT	STANDARD	TYPE	HOURS		
I−N[		3'HD-A	I i	HAND DIG TRENCH 3			FT	с	E I	si	С	G7453	13-WF3	21.41		
[ ⊥−N  [		[ [BKF-3'		BACKFILL TRENCH 3 H	FOOT DEEP	58	FT     ET	С		s I I	С	[	C-BC	0.91		
)   N-I   		   SHD-12   		SHADE TRENCH WITH S SAND, FILL RECYC		,	FT     TN     1			s [   	С	G7405	  3-WF3  C-BH  C-DT	0.21		
⊥−N[ [		[		1-3 IN DE CONDUIT S CONDUIT DE 3 IN 2			FT    FT			S	с		  3-WF3 	0.91 1		
I-N[ [		R-XCES	X30007	EXCESS TRENCH SPOID DUMPING FEE	L (12 IN DEEP)		FT   CY			S	-	[	IC-DT			
I-N(		   PLANTU		REMOVE/REPLACE LANI	DSCAPING	1 58		с		S [	С	1	3-WF3			
I-N     		1 [	X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	STEEL PLATE	1 5	FT     EA     TN			S I	С	G7453	  C-BC  C-BH  3SWF4	0.21		
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH	-	ET     CY	¢	1 1 1 C I	S I		1	] ]C-DT ]	0.5		
ĭ−N[		SLR-18	656400	BACKFILL SLURRY 18 SLURRY MIX, 1 SAC			  FT   CY	-		S I	С	G7409	3-WF3 			
I-N		1EB3SL	249664   656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAC	20 FT LENGTH	63	FT     FT     FT     CY			s   	¢	3376.1	  3-WF3   	1		
I-N		CC-WLK	248205	CONCRETE SIDEWALK S CONCRETE - 6 SACE	SECTION (5x5) FINISHED X (3/4" ROCK MIX)		EA     CY			S	с		   SR3CS 	i i		
I-N		LN-S/U	]   ]	TC-LANE CLOSURE URE	BAN STREET	[ [ 1	  EA}	с	[ ] [ ]	s	с			1.0		
I-N		  LN/S/S	] ]	LANE CLOSURE URBAN	ST (STREET REPAIR)	1	  EA	с	 	s I	с		   TC4			

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ROJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -	T&C JOB	1						K ORDEI	R: 2960700
			O BLK 7G2 T&C JOB 1	STATUS:	ACT								
			DISTRICT: CM DESIG	NED BY: GEORGE BONNER					PHC	NE: 999-9	999 I	LOCATIO	N 005 OF 58
BK1		 I I			QTY	WI	RK[]	MAT [T	IM ACC	STANDARD	CREW	EST	
	+	++				+-	+-	+		+	-+	+	
	1	  162690	HAND HOLE 3309.2 37 QUAZITE BOX 37"X2	"X 26" X 26" 6"26"	1 1	EA		C 1	[	3309.2 	3SWF3    [	L į L	·
[-N  	) X09H26 	162690	INSTALL EXCAVATION/ QUAZITE BOX 37"X2		1 1) 1 1)	EA   EA	C   	c	SIC	3309.2	3SWF3	0.8[ 	
1	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 I BEND CONDÚIT DB 3 SLURRY MIX, 1 SAC	IN 90 D 36 IN R	i 3 1   3 1   1 0	EA EA CY I	c     	с I с I	sic	3373.2   		0.2	
-N	SAW-CC		SAW CUT CONCRETE		51	FT	сi	i	s i c	i	SR-3C	1.3(	
	CC-WLK	İ	CONCRETE SIDEWALK S CONCRETE - 6 SACE	ECTION (5X5) FINISHED (3/4" ROCK MIX)	1	EA	С	1	s i c	1	  SR3CS  	1.01	
		i	EXIST TAG NEW	SI	EE SHT 7				ON NO!	ÈS			
IORK FAC			EXIST TAG NEW	SI									
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		3568	JOB:01	REV:0	TYP	E: UD	NAME :		7G2 <b>-</b> T&	C JOI	з 1				S				RK ORDER		00
DESIGN	: 01	NAME	: ROLAN	DO BLK 70	32 T&C	JOB 1		ST	ATUS: A	1CT											
				DISTRICT				GE BONNI							PHON	E: 999	-9999	I	LOCATION	006 01	587
F-C M	U ID		l [STOCK#					NOTES		QTY RQD	1 UM								EST   HOURS		
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WORK FUNC	FAC CODÉ		;	EXIS	ST TAG	NEW	TAG	 				CONST	TRUCI	TION	NOTE:	s					
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ESTGR: 01 NAME: ROLANDO ELK 762 T&C JOB 1 STATUS: ACT   CCATION: 007 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PRONE: 999-999 LOCATION 007 OF S   CREX. I I DESCRIPTION/CONSTRUCTION NOTES RQD 10M RSP BAPT RTTRTR PACE SRATE FACE </th <th>OJECT: 25</th> <th>3568 3</th> <th>JOB:01</th> <th>REV:0 TYPE: UD NAME: RÓLANDÓ BLK 7G2</th> <th>-T&amp;C JOB</th> <th>3 1</th> <th></th> <th></th> <th></th> <th>S'.</th> <th>TATUS: AC</th> <th>T WOI</th> <th>K ORDER</th> <th>R: 2960700</th>	OJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD NAME: RÓLANDÓ BLK 7G2	-T&C JOB	3 1				S'.	TATUS: AC	T WOI	K ORDER	R: 2960700
TEKI   OTY I   WRKINAZITIMI ACCISTANDARD   CRW IST   EST     FC.MU ID IAU ID ISTOCK#   DESCRIPTION/CONSTRUCTION NOTES   RQD IWRIKSPARPTITIMI ACCISTANDARD   CRW IST   TYPE HOURS     I-NI   AS-2CT   ASPHALT 2 SAW CUT AND BREAK MECH   5301FFI C   S I C   SR385   13.8     I-NI   BHO4KHI   MACH DIG TRENCH 4 FT DEEP BACKHOE   5301FFI C   S I C   G7453   C-BC 2 C.5     I114215   ASPHALT, COLD MIX   STTMI C   I S C C   G7453   C-BL 2 C.5     I124216   ASPHALT, COLD MIX   STTMI C   S C C   G7453   C-BL 2 C.5     I13201071   DUMPING FEE   TEENCH SPOIL 4 FT DEPTH   5301FFI C   S C C G7409   3-WF3   3.2     I-SN   SLR=18   BACKFILL SURRY MIX, 1 SACK SAND   B91CYI 1 C I S C C G7409   3-WF3   3.2     I-SN   IASO007   DUMPING FEE   S SO1FFI C I S C C G7409   3-WF3   3.2     I-SN   ASPHALT BASE A TOP MICH 18 IN   S SO1FFI C I S C C G7409   3-WF3   3.2     I-SN   IASONS   ASPHALT GARSE   4181N C I S C C G7409 <td>SIGN: 01</td> <td>NAME :</td> <td>ROLANI</td> <td>O BLK 7G2 T&amp;C JOB 1 STATU</td> <td>S: ACT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SIGN: 01	NAME :	ROLANI	O BLK 7G2 T&C JOB 1 STATU	S: ACT									
P-C.MU ID   AU ID   STOCK#   DESCRIPTION/CONSTRUCTION NOTES   RQD [UM[RSP]RSP[TRT]   PAGE   TTRPE (HOURS)     I-N   AS-2CT   ASPHALT 2 SAW CUT AND BREAK MECH   530 FT C   S I C   SARASI 13.8     I-N   BH04XH   MACH DIG TERNCH 4 FT DEEP BRCKHOE   530 FT C   S I C [G7453   C-BC 126.5     I-N   BH04XH   MACH DIG TERNEN 4 FT DEEP BRCKHOE   530 FT C   S I C [G7453   C-BC 126.5     I-N   REM-4'   TREPTC DEARING STEEL PARE   530 FT C I   S I C [G7409   3-WF3 3.2     I-N   REM-4'   TRENCH SPOIL 4 FT DEPTH   530 FT C I   S I C [G7409   3-WF3 3.2     I-N   ISLR-16   BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP   1500 FT C I   S I C [G7409   3-WF3 3.2     I-N   ISLR-16   BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP   1500 FT C I   S I C [G7409   3-WF3 3.2     I-N   ISLR-16   BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP   1500 FT C I   S I C [G7409   3-WF3 3.2     I-N   ISLR-16   BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP   1500 FT C I   S I C [G7409   3-WF3 3.2	OCATION: 0	07 SHEI	ST: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	E: 999-99	99 1	OCATIO	1 007 OF 58
I-N   AS-2CT   ASPRALT 2 SAW CUT AND BREAK MECH   530 [FT C     S C     (SR3AS  13.8)     I-N   BH04XH   MACH DIG TERUCH 4 FT DEEP BACKNOE   530 [FT C     S C     (G7453)   (C-SC 26.5)     I114215   ASPHALT, COLD MIX   510 [FT C     S C     (G7453)   (C-SC 26.5)     I-N   REM-4'   TRENCH SPOIL 4 FT DEPTH   530 [FT C     S C     (G7409)   3-WF3   3.2     I-N   REM-4'   TRENCH SPOIL 4 FT DEPTH   530 [FT C     S C     G7409   3-WF3   3.2     I-N   SLR-10   BACKFIL SLURRY 13 IN WIDE X 12 IN DEEP   1950 [FT C     S C     G7409   3-WF3   3.2     I-N   ASFMALT BASE 4 TOP MECH 18 IN   530 [FT   C     S   C     G7409   3-WF3   3.2     I-N   ASFMALT BASE 4 TOP MECH 18 IN   530 [FT   C     S   C     G7409   3-WF3   3.2     I-N   IAS-M18   ASPHALT (ERSF)   140 [TN   C     S   C     G7409   3-WF3   3.2     I-N   IAS-G400   SUURY MIX, 1 SACK SAND   121	WRK  F-C[MU ID	  AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES										
I-N BH04XH MACH DIG TERNCH 4 FT DEEP BACKHOE 530 [F] C S 1 C IC7453 IC-BC 26.5   114215 ASPHALT, COLD MIX S1TN IC ICBA IC-BC 26.5   114215 ASPHALT, COLD MIX S1TN IC ICBA IC-BC 26.5   I-N REM-4' TRENCH SPOIL 4 FT DEPTH S30 [F] C IS C IC-DT 63.6   I-N REM-4' TRENCH SPOIL 4 FT DEPTH S30 [F] C IS C IC-DT 63.6   I-N SLR-16 BACKFIL SURRY 18 IN WIDE X 12 IN DEEP 1590 [F] C IS C IS C IS C IS C   I-N SLR-18 BACKFIL BASE 4 TOP MECH 18 IN 530 [F] C IS C	I-N I	AS-2CT	l 1	ASPHALT 2 SAW CUT AND BREAK MECH	530	)]FT	C		S I	CI		SR3AS	13.81	
I-N IREM-4'I IRENCH SPOIL 4 FT DEPTH 530[FT] C [IS0[C] [C-DT] 63.6]   IX30007 DUMPING FEE 131[CY] [C I] SIC [C-DT] 63.6]   I-N ISLR-16 BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP 1590[FT] C I SIC [C7409] 3-WF3 3.2]   I-N ISSA-M18 ASPHALT BASE 4 TOP MECH 18 IN ISS0[FT] C I SIC [C7409] 3-WF3 3.2]   I-N IAS-M18 ASPHALT (RESE) SIGN[FT] C I SIC [C7409] 3-WF3 3.2]   I-N IAS-M18 ASPHALT (RESE) MECH 18 IN ISS0[FT] C I SIC C [C7409] 3-WF3 3.2]   I-N IAS-M18 ASPHALT (RESE) MECH 18 IN ISS0[FT] C I SIC C [C-B5.5]   I 114201 ASPHALT (RESE) 48[TN]   C I SIC C [C3376.1] [3-WF3] 6.9]   I-N 1249728 CONDUIT SLURRY ENCASED 48[TN]   C I SIC C [3376.1] [3-WF3] 1.3]   I-N 1249728 CONDUIT DB 5 IN 20 FT ELENGTH 980[FT]   C I SIC C [3376.1] [3-WF3] 1.3]   I-N 1249728 CONDUIT DB 5 IN 20 FT R SLURAY ENCASED 4EAI C I S   C I	I-N  	BH04XH	X20201	TRAFFIC BEARING STEEL PLATE	530   530   5	) FT   EA[ 5 TN]	CI	   C     C	S     		G7453	C-BC  C-BH  3SWF4	26.5  26.5  53.0	
I-N ISLR-18 BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP 1590  FT  C   S   C   G7409 3-WF3   3.2   I-N IG56400 SLURRY MIX, 1 SACK SAND B9  CY   C   S   C   S   C   C-EC   35.5   I-N IX20022 GRIND ASPHALT (PER SF) 530  SF   C   S   C   S   S   C   S   S   S   S	I-N	REM-4 ' [	   x30007	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	530	) FT]	ci	i i	\$ i	сì		C-DT	63.6	
I-N AS-M18 (ASPHALT BASE & TOP MECH 18 IN 530   FT   C     S   C     C-BC   35.5   SR-3A  35.5	I-N	SLR-18 	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1590   89	) FT     CY	С		S   	C	G7409	3-WF3 	3.2	. <u> </u>
I-N 12DB5SL 12497281 CONDUIT DB 5 IN 20 FT LENGTH 1980[FT] C 15 1376.1 13WF3 6.9   I 16554001 SLURRY MIX, 1 SACK SAND 16[CY] C I I I I   I-N 2-5SLS 2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED 44EA C SIC 1373.2 13-WF3 1.3   I-N 2-5SLS 2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED 44EA C SIC 1373.2 13-WF3 1.3   I-N 1228561 BEND CONDUIT DE 5 IN 22.5 D 25 FT R 81EA C I		AS-M18	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	530 530 48	) FT ) SF ] TN	С		S     	c i I		C-BC  SR-3A 	35.51 35.51	
I-N 2-5SLS 2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED 4 IEA! C [   S   C   3773.2   3-WF3   1.3 ]	I-N	2DB5SL 	  249728	2-5 IN DE CONDUIT SLURRY ENCASED CONDUIT DB 5 IN 20 FT LENGTH	490	1 1 1 1	U .		5 1	- L	33/0-T	  3-WF3   	6.91	
I-N LN-S/U TC-LANE CLOSURE URBAN STREET 1 EA C S C TC3 1.0   I-N LN/S/SI LANE CLOSURE URBAN ST (STREET REPAIR) 1 EA C S C TC4 1.0   I-N LN/S/SI LANE CLOSURE URBAN ST (STREET REPAIR) 1 EA C S C TC4 1.0   I-N LNNS/SI ASPHALT, COLD MIX 1 IFT C S C TC4 0.1   I-N NING/SI TRAFFIC COND. (XING LANE) STREET REPAIR 1 IFT C S C TC4 0.1   I-N NING/SI TRAFFIC COND. (XING LANE) STREET REPAIR 1 IFT C S C TC4 0.1   I-N ARROB TC-ARROW BOARD ASSIST FOR TRENCHING 1 HR C S C ARROB 1.0	I-N	2-5SLS   	  321856   656400	2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 5 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4   8   2	1   EA 8   EA 2   CY	С		S   	C     	3373.2	13-WF3 ] ]	1.3      	
I-N ILN/S/S IANE CLOSURE URBAN ST (STREET REPAIR) I IEA C   S   C   ITC4   1.0    I-N IXING-U  IC-TRAFFIC CONDITIONS STREET CROSSINGS I IFT C   S   C   ITC4   0.1    I-N I14215 ASPHALT, COLD MIX I IFT C   S   C   IC4   0.1    I-N IXING/S  ITRAFFIC COND. (XING LANE) STREET REPAIR I IFT C   S   C   IC4   0.1    I-N IXING/S  ITRAFFIC COND. (XING LANE) STREET REPAIR I IFT C   S   C   ITC4   0.1		LN-S/U	1	TC-LANE CLOSURE URBAN STREET	1	LEA	с	1		çi		TC3	1.0	
I-N XING-U TC-TRAFFIC CONDITIONS STREET CROSSINGS 1 IFT C S C TC4 0.1   I 114215 ASPHALT, COLD MIX 1 ITN C I I I   I-N XING/S TRAFFIC COND. (XING LANE) STREET REPAIR 1 IFT C S C I TC4 0.1   I-N ARRO-B TC-ARROW BOARD ASSIST FOR TRENCHING 1 IHR C I I IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	I-N	LN/S/S	1	LANE CLOSURE URBAN ST (STREET REPAIR)		LEA	С	1	5			TC4	1.0	
I-N   XING/S    TRAFFIC COND. (XING LANE) STREET REPAIR   1 FT  C   S [ C    TC4   0.1  I-N   ARRO-B    TC-ARROW BOARD ASSIST FOR TRENCHING   1 HR  C   S   C    ARROB  1.0  	I-N  	XING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	]   ]	LIFT LITN	С	с	ĺ	Ī		TC4 	0.1	
I-N ARRO-B   TC-ARROW BOARD ASSIST FOR TRENCHING   1 HR C     S   C     ARROB   1.0	I-N	XING/S	İ I	TRAFFIC COND. (XING LANE) STREET REPAIR	i 1	L   FT	с	i –	s i	сi		TÇ4	0.1	
	I-N	ARRO-B	i i	TC-ARROW BOARD ASSIST FOR TRENCHING	i 1	l   HR	c	i	S	сi		ARROB	1 1.0	
	I-N!			TC-FLAGGING	•							•		

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP		Ĺ				P.	AGE NO	11
PROJECT: 253568 JOB:01 REV:0 TYPE: UD 1					STATUS: 1		RK ORDE	R: 2960	700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS:								
LOCATION: 008 SHEET: 01 DISTRICT: CM DESIGN	ED BY: GEORGE BONNER				HONE: 999-		LOCATIO		E 587
WRK         F-C MU ID  AU ID  STOCK#! DESCRIPTION/CON			WRK MA	AT   TIM   A	CC   STANDARI		EST !		
I I I I I I I I I I I I I I I I I I I	THIS LOCATION		i l 1 ľ	[ ]	   	[			
WORK FAC FUNC CODE DESC EXIST TAG NEW TA	AG		CONSTRU	JCTION N	OTES				
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JECT: 25	3568 3	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -	-T&C JOB	1				S	TATUS: A		RK ORDEI	R: 2960700
SIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1	STATUS	ACT									
		ST: 01	DISTRICT: CM DESIG	NED BY: GEORGE BONNER						PHON	E: 999-9	999 :	LOCATIO	N 009 OF 587
WRK  F-C MU ID	AU ID	1 1		ONSTRUCTION NOTES	QTY	1	WRK	MAT	TIM	ACC	STANDARD	CREW	EST [	
;	AS-1CT	I I		AND BREAK MECH	+- <b></b> I 5	FT	ci	i	s	СІ		SR3AS	• •	
IN	1	   400302	HANDHOLE 3313 WITH 3313 TRAFFIC COVE	TRAFFIC COVER R HANDHOLE COMPLETE	1	EA   EA	C   l	 c	S   		3313	   BOOMT   3-AF4	3.01   0.5	- · · · · ·
	X13H-A		EXCAVATE 3313 HANDH	IOLE	1	[EA]	сi	1		ci	3313.2	i  3SWF3	0.4	
	1	   322048	1-3 IN DB 90 D 36 I BEND CONDUIT DB 3 SLURRY MIX, 1 SAC	IN 90 D 36 IN R	i 2   2	EA   EA	C I	C I	េទ	i I	3373.2	  3-WF3   	0.1(	
ĺ	•	i i			i	1	1	1	1 1			1	   1.01	
	1 1LN/S/S		LANE CLOSURE URBAN	CT (CTOFFT PFDATD)								   TC4	[ ].0[	
WORK FAC			EXIST TAG NEW	TAG	e sht 7			'RUC'	rión	NOTE	35			
WORK FAC				TAG SI	e sht 7			'RUC'	FIÓN	NOTE	25			
WORK FAC				TAG SI	e sht 7			'RUC'Ì	FIÓN	NOTE	2S			
WORK FAC				TAG SI	e sht 7				rión 	NOTE	25		· · · · · · · · · · · · · · · · · · ·	
WORK FAC				TAG SI	e sht 7			'RUC1	rión	NOTE	25			
WORK FAC				TAG SI	e sht 7			'RUC'	FIÓN	NOTE	25			
WORK FAC				TAG SI	e sht 7			'RUC'1	rión	NOTE	2S			
WORK FAC				TAG SI	e sht 7				FION	NOTE	25			
WORK FAC				TAG SI	e sht 7			*RUC1	FION	NOTE	25			

DP001EM2-LOCAL40- 09/05/17 11:36	001							ELECTRIC OPY - DE		L						PI	AGE NO	13
PROJECT: 253568		REV:0	TYPE:	UD NAM	ME: ROL			-T&C JOB					s	TATUS: A	.CT WO	ORK ORDEF	l: 2960	700
DESIGN: 01 NAM	E: ROLAN		T&C JOE	3 1			STATUS	: ACT										
LOCATION: 010 SH	EET: 01	DISTRICT:	CM E	DESIGNED	BY: GE	LORGE BO							PHONE	2: 999-9	999	LOCATION	V 010 O	F 587
WRK[ [ F-C MU ID AU ID			ESCRIPTI	ION/CONST										STANDARD PAGE		EST    HOURS		
		   NO DES:	IGN UNIT	S FOR TH	HIS LOC	CATION		1	 	 	1	]   ]			1	<b>!</b>   1_		
WORK FAC FUNC CODE DES	с	EXIST	TAG	NEW TAG						CONS	TRUC	TION	NOTES	5				
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JECT: 253568													TATUS: AC		RK ORDE	3: 2960	700
*																	
SIGN: 01 NAME:							аст <b>_</b> _										
CATION: 011 SHEE													E: 999-99		LOCATIO	N Q11 (	DF 587
RK      C MU ID  AU ID	STOCK#	DES	CRIPTION	I/CONSTRU	JCTION NOT	res	RQD	UM	3SP	RSPI	TRT	TRT	STANDARD PAGE	TYPE	HOURS		
-N[  1EB3SL [ ] [ ]	  249664   656400	1-3 IN EB CONDUIT SLURRY 1	CONDUIT DB 3 IN	r slurry 1 20 FT I	ENCASED		10   10	FT   FT	с   	C	S I	С	3376.1	[3-WF3	0_1      		
-N   1-3SLB      	656400	1-3 IN DB BEND COI SLURRY 1	MIX, 1 S	SACK SANI	)	Y ENC R	1 1	EA     EA     EA     CŶ		c	51		33/3.2	3-WF3   	0.1		
IORK FAC FUNC CODE DESC								Ċ.	ONST	RUCI	TION	NOTE	:s				
						SEE	SHT 7										
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			SAN DIEGO GAS AN DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 70										RK ORDE	R: 29607	00
			O BLK 7G2 T&C JOB 1 STA												
			DISTRICT: CM DESIGNED BY: GEORGE BONNED								NE: 999-99	99 ;	LOCATIO	N 012 OF	58
WRKI F-CIMU ID	 [AU ID		DESCRIPTION/CONSTRUCTION NOTES	1	QTY RQD	   UM	WRK RSP	MAT   RSP	TIM TRT	ACC TRT	STANDARD PAGE	CREW  TYPE	EST		
I-N!	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	- I	25	ΙĒΤ	C	1 1	S	С	G7453	3-WF3	9.5		
I-N			BACKFILL TRENCH 3 FOOT DEEP						S	C		3-WF3  C-BC	0.4    0.4		
I-N	ISHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	2	TN 				C	G7405	13-WF3 1C-BH 1C-DT	   0.1    0.1    0.1		
I-N	i i		1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1	25 25	FT	C	1 1	S	C	3373.1	3-WF3 			
I-N[	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	   	25 3	CY	С		S	C D	[	i	0.6		<u> </u>
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	25		С		Ş	C [	I		1.01		
I-N			FINISH CONCRETE SURFACE MAN 12 IN	1		  FT	с		s	c	ł		0.1		
I-NI	[	  x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1	5 1	EA   TN			S	[	G7453	IC-BC IC-BH I3SWF4	0.2]		
I-N	-j		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1	6 2	   FT ;   CY ;	С		s	С	ſ	IC-DT	0.51		
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		18 2	FT	С	j i	5	с		  3-WF3   	i i		
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		31 31 1	FT     FT     CY	с	C     C     C	S		3376.1	[3-WF3	0.41		
I-N		l I	SAW CUT CONCRETE		5		С		s	С			   1.3		
I-N	CC-WLK	i i	CONCRETE SIDEWALK SECTION (5x5) FINISHE CONCRETE - 6 SACK (3/4" ROCK MIX)		1 1	CY	С	C	s			Ì	1.01 1		
1-N	l LN-S/U		TC-LANE CLOSURE URBAN STREET		1		С		S	с			1.0		<b></b> .
	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)									   TC4	   1.0		

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CONSTRUCTION NOTES

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JECT: 25	3568 J	JOB:01	REV:0	TYPE:	UD NA	ME: RÓL	ANDO BLK 7G2	-T&C JOE	1					STATUS: AC	T WO	RK ORDE	R: 29	60700
SIGN: 01							STATU	S: ACT								<u></u> ,		<b></b>
CATION: 0	13 SHEE		DISTRICT:				ORGE BONNER							VE: 999-99				OF 587
RK  CIMU ID	AUID	STOCK#1	Γ	DESCRIPT	ION/CON	STRUCTIO	N NOTES	RQD	UM]	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS		
-N 1	330926  [	  162690	HAND HO QUAZI	DLE 3309	.2 37"X	26" X 2		1   1	EA  [EA]	с I I	с	S	C, I	3309.2	35WF3   	0.8  		
-N	X09H26  	162690	INSTALI QUAZI						EA   EA	C 1	C 1		С	3309.2	  3swf3   	0.8    1	<u> </u>	
	1	I	BEND		DB 3 I	190 D 3	LURRY ENC 6 IN R	i 3 I 3	EA	CI	c	S [ 	С	3373.2	3-WF3 	0.2		
-N	SAW-CC	1 1 1	SAW CUI					1 5		ÇÌ	.	1   5	Ċ.	1	  SR-3C	1.3		
-N		I I	CONCRET				5) FINISHED K MIX)	j 1	EA	c i		I S I	С	I	SR3CS 	1.0		
VORK FAC FUNC CODE			EXISI	I TAG	new ta	Ĵ		SEE SHT 7		CONSI	FRUC	LION	NOTE	ES				
			EXIS]	I TAG	NEW TA			SEE SHT 7		CONSI	FRUC:	FION	NOTE					
			EXIS:	[ TAG	NEW TA			SEE SHT 7		CONSI	FRUC:		NOT:			<b>.</b>		
			EXIS!	r TAG	NEW TA	3 		SEE SHT 7		CONSI	FRUC		NOT:	2S				
			EXIS!	- TAG	NEW TA	3 		SEE SHT 7		CONSI		FION	NOTE	2S	······································			
			EXIS:		NEW TA			SEE SHT 7		CONS1			NOTE	2S	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
			EXIS:		NEW TA	3 		SEE SHT 7		:0NS]		FIÓN	NOT5	2S				
			EXTS:		NEW TA	3		SEE SHT 7				FIÓN	NOTE	2S	· · · · · · · · · · · · · · · · · · ·			
					NEW TA	3		SEE SHT 7				FION	NOTE	2S	· · · · · · · · · · · · · · · · · · ·			
			EXIS:		NEW TA	3		SEE SHT 7					NOTE	2S				

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				ATUS: ACT										
OCATION: (	014 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE	IR 					PHO	NE: 999-9	999	LOCATIC	N 014 C	)F 58
WRK[ F-C[MU ID			DESCRIPTION/CONSTRUCTION NOTES							STANDARD PAGE				
I-N [	AS <del>-</del> 2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	J 120	I FT	l C	1	] S	C	I	SR3AS	3.1		
I-N {	BH03XH   	x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	125   94   2	FT   EA   TN	іс   1	1 1 C	1 5	C		] С-ВС ] С-ВН   ЗSWF4	5.0    5.0    10.0		
<b>Ξ−</b> Ν   	REM-3 '	  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	125   32		i c I		S	ĺ	i	  C-DT 	11.0]		
I-N[	[SLR-18 [	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	?   375   21	FT	i c I	I C	1 S   1 S   1		G7409		1 1		
	AS-M18     	X20022	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	120 120 111 3	FT  SF  TN  TN	C     	C   C   C	i	C	, [ [ [	C-BC   SR-3A   	8.01 8.01 1		
	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	120 120		i c 1	I C I C	S   	C	3376.1   	  3-wf3   			
[ ] — N [ [	1-3SLB	  322046   656400	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 2	  EA  EA  CY	i c I		S		3373.2	i I	1   [		
I-N	  ln-s/u	    ]	TC-LANE CLOSURE URBAN STREET	i 1		i c	[ 	   \$	c	† 	I I TC3			
I-N	  LN/S/S	1 1	LANE CLOSURE URBAN ST (STREET REPAIR)	1	  EA			[ [ \$	c		   TC4			
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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELE DPSS - DESIGN REVIEW COPY	- DETAIL				AGE NO 18
PROJECT: 253568 JOB:01 REV:0 TYPE: UD		C JOB 1			T WORK ORDE	R: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: A					
LOCATION: 015 SHEET: 01 DISTRICT: CM DESIG	GNED BY: GEORGE BONNER				999 LOCATIO	
	-	QTY    W	RK   MAT   TIM	ACC   STANDARD	CREW   EST    TYPE  HOURS	
++++	OR THIS LOCATION					
WORK FAC FUNC CODE DESC EXIST TAG NEW		CC SHT 7	NSTRUCTION	NOTES		
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			SAN DIEGO GAS A DPSS - DESIGN REVIE REV:0 TYPE: UD NAME: ROLANDO BLK 7								T WO	RK ORDE	R: 296070	0
			0 BLK 7G2 T&C JOB 1 STA											
OCATION: 0	16 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE	R					PHO	NE: 999-99	99 1	LOCATIO	N 016 OF	58
NTT: 1	1		DESCRIPTION/CONSTRUCTION NOTES				1.0.000.000.0				Low			
I-N	13'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	40	FT	C		S	С	G7453	3-WF3	14.9		
I-NJ	] BKE-3 ' ]		BACKFILL TRENCH 3 FOOT DEEP	40	FT 	C 	 1	SI	С	1	3-WF3  C-BC	0.6  0.6		
I-N  ] ]	SHD-12	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	40	   FT   TN 	С	1 1	S	С	G7405	  3-WF3  C-BH  C-DT 	0.1		_
I-N	11DB3-S	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH		   FT   FT		i c i	S		3373.1	3-WF3 	0.6		
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		  FT  CY	i c	         C	S	с	1 1	1	I		
I-N	   PLANTU 		REMOVE/REPLACE LANDSCAPING	35	  FT	с		s		· ·		3.5	· · · · · · · · · · · · · · · · · · ·	
I-N	1 1CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 5	  FT	C		S	С	i	  SR3AS	0.2		
I-N	іс <b>F-</b> H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	5	  FT	c		S	c	1	  SR3CS	i i		
I-N    	1 BH03XH 1 1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5	EA   TN	1		SI		G7453	  C-BC  C-BH  3SWF4	0.2		
	REM-3'		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 6	   FT   CY	i c	1   1   1 C	c 1	_	-   	  C-DT 	0.5		
[ ∑−N[ 	SLR-18 	]	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	2	  FT  CY				С		  3-WF3 			
I – N   	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	[ 6 [ 6 [ 1	FT   FT   CY	1 C 1	, [ ]	5	с	3376.1				
I-N	SAW-CC	• •	SAW CUT CONCRETE	i 10		I C		s			I I SR-3C			
I-N	  CC-WLK 	  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHE CONCRETE - 6 SACK (3/4" ROCK MIX)		]ÇY	2 i C	   C	si	С	Ì	   SR3CS 	1.0		
I-N	LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	1	]EA	1 .  C	i i	SI	С		TC3	1.0		
	  LN/S/S	• •	LANE CLOSURE URBAN ST (STREET REPAIR)			C		s			   TC4	1.0		—

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CONSTRUCTION NOTES

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	NAME :	ROLANDO	BLK 7G2 T&C JOB 1	STATUS: AC	Т										
CATION: 0			ISTRICT: CM DESIGNED BY: GEORGI	DOWNED						ວະເດນ	TE: 999-99	99 1	LOCATIO	N 017 O	F 58
RK  -C MU ID	I IAU ID	1 1	DESCRIPTION/CONSTRUCTION NO	1.0	OTY		WRK	MATI	TIM	ACC	STANDARD	CREW	EST		
-N	3'HD-A	l l	HAND DIG TRENCH 3 FT DEEP AVE	+- !	42	FT	Ċ	l.	SI		G7453	[3-WF3	15.6		
-N	1		BACKFILL TRENCH 3 FOOT DEEP	1	42	FT [	С	i i	sj	c		13-WF3 1C-BC	0.6		
-N   		i i	SHADE TRENCH WITH SAND - 12 INCH SAND, FILL RECYCLED MATLS PREI		42 3	FT     TN   	С		S	C	G7405	C-BH   C-DT	0.1( 0.1) 0.1(		
i	i	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	ļ	42 42		С	   C		c	3373.1	  3-WF3   	0.61		
	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	)	42 4	FT     CY	С	C     C	S	i c	1	IC-DT	i i		
-N	PLANTU		REMOVE/REPLACE LANDSCAPING		42		Ç	i i			Ī	13-WF3	4.2		
:-N    	1	  X20201	MACH DIG TRENCH 3 FT DEEP BACKH TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	0E   	3 3 1	FT     EA   TN	Ċ	   C     C			G7453	C-BC  C-BH  3SWF4	0.1  0.1  0.2		
-N	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		3 1	FT CY	С	C	S	i C I	   	  C-DT 	0.31		
[ [ [ [	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 3 SLURRY MIX, 1 SACK SAND		9 1	CY	C		s	, ¢ 1	G7409	  3-WF3 	i i		
- <b>N</b>     	1EB3SL 	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1		FT	С		1		3376.1	3-WF3     			
ORK FAC			EXIST TAG NEW TAG				CONS	TRUC	TION	NOT	ES				

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OJECT:	253568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G						S	STATUS: A	CT WOR	K ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1	STAT	JS: ACT									— — — — — — — — — — — — — — — — — — —
CATION:	018 SHEE	ET: 01	DISTRICT: CM DES	SIGNED BY: GEORGE BONNER						PHON	TE: 999-9	999 L	OCATIO	N 018 OF 58
RKI -CIMU I	l D IAU ID	   STOCK#	DESCRIPTION	V/CONSTRUCTION NOTES	QTY   RQD	Į UM	RSP	RSP	TIM  TRT	ACC   TRT		CREW [  TYPE [	EST   HOURS	
-N1 1	1	  162690	HAND HOLE 3309.2 QUAZITE BOX 37"		1   1	EA   EA	C   	с	S I	C 1	3309.2	3SWF3  	0.81 1	
-N	X09H26	[162690]	INSTALL EXCAVATIO QUAZITE BOX 37"		1   1	[EA [EA		с	S   	C   	3309.2	1	0.81	
-N     	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 BEND CONDUIT DE SLURRY MIX, 1 S	5 IN R BEND SLURRY ENC 3 3 IN 90 D 36 IN R SACK SAND	4	IEA IEA ICY		c c	S   	C   	3373.2		0.2	
-N	SAW-CC		SAW CUT CONCRETE		1 5	] FT			S	CI		SR-3C	1.3	
-N			CONCRETE SIDEWALF	K SECTION (5X5) FINISHED ACK (3/4" ROCK MIX)	1	EA	   C   	i	Sİ	ci		 	1.0(	
	DE DESC		EXIST TAG NE	2W TAG	SEE SHT 7		CONS3		"ION	NOTE			·	
	DE DESC								PION	NOTE				
	DE DESC									NOTE				
	DE DESC								FION	NOTE	25		·	
	DE DESC								FION	NOTE	2.S			
	DE DESC								FION	NOTE	2S			
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P001EM2-10 9/05/17 11	1:36			DPSS - DESIGN	GAS AND ELE REVIEW COPY	CTRIC	TATI							P	AGE NO	22	
OJECT: 2	53568	JOB:01	REV:0 TYPE:	UD NAME: ROLANDO	BLK 7G2 -T&	с јов	1					STATUS: AC					
	NAME	ROLAND	O BLK 7G2 T&C JOI	3 1	STATUS: A	CT.			• <b>-</b>								
CATION:	019 SHEI	ET: 01		DESIGNED BY: GEORGE	BONNER						PHOI	xE: 999-99	99 I	LOCATIO	N 019 OF	58	
WRK[ F-C MU ID	  AU ID	   stock#	DESCRIPT	ON/CONSTRUCTION NOT	ES	RQD	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS			
1	BH03XH 	  X20201   114215	MACH DIG TRENCH TRAFFIC BEAR ASPHALT, COLI	i 3 ft deep backhof Ing steel plate	: 1	5 4 1	FT     EA     TN		C     C	S   	С	1G7453 1 		0.2  0.2  0.4			
1 -N   	REM-3' 	1 1 1X300071	TRENCH SPOIL C DUMPING FEE	3 FT DEPTH		5	ET.			S	C	 	C-DT   1	0.4  			
I-N  	SLR-18	656400	BACKFILL SLURRY SLURRY MIX, 1	(18 IN WIDE X 12 IN I SACK SAND	1	15 1	FT CY	C	   C	S	С	G7409 		1 I	,		
I-N  I	1EB3SL   	249664   656400	1-3 IN EB CONDU CONDUIT DB 3 SLURRY MIX, 1	JIT SLURRY ENCASED IN 20 FT LENGTH L SACK SAND	1	113 113 3	FT   FT   CY	C	C     C	S	С	3376.1   	3-WF3 	1_61 			
 I-N  1	1-3\$LB	3220481	1-3 IN DB 90 D BEND CONDUIT SLUBRY MIX.	36 IN R BEND SLURRY DB 3 IN 90 D 36 IN L SACK SAND	R 1	2 2 1	EA   EA   CY	11   	ן ו ניטן ניטן	S	C	3373.2   	3-WF3	j 0.1j 1 1			
 I-N			REMOVE/REPLACE	LANDSCAPING		5	  FT	េប		s	с	   _					
VORK FA			EXIST TAG	NEW TAG	SEE	SHT 7		CONS	rrúci	TON	NOTI	ES					
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ROJECT: 25					DF55	- DESIGN REVI	SW COFT		<u>raii</u>	, 							
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	3568 3	јов:01				ROLANDO BLK							S	STATUS: AC	T WOE	K ORDE	R: 296070
ESIGN: 01	NAME ;	ROLAND	O BLK 7G2	тес јов 1		ST	ATUS: A	СТ									
			DISTRICT:		IGNED B	Y: GEORGE BONN								₩E: 999-99			
WRK  F-C MU ID	AU ID	STOCK#[	DE			JCTION NOTES	[ [	QTY RQD	]    ÚM	WRK  RSP	MAT   RSP	TIM  TRT	ACC   TRT	STANDARD PAGE	CREW   TYPE	EST   HOURS	·
ĭ−N	3421-1 	ا   514240	PAD 3421 PAD 1-	1-PHASE	TRANSFOR	 RMER HASE F.C. 3421	E	1 1	EA]  EA]	C		S   	C	3421.1	3-AF4 	0.41 	
[ E-N	x-xF1P	l t				SE TRANSFORMER	[	1	  EA]	c		 S	C I		   3swf3	) 0.4	
I-N	TG-T-W		TRENCH G WIRE B	RD WIRE W ARE COPPH	1/0 RODS IR #2-7 :	(TRANS/CAP) STR SOFT DRAWN	1 [ [	1	EA	CI			CΙ	4510.1			
I-N	[1-3SLB [	322048	1-3 IN D BEND C SLUBBY	ONDUIT DE	3 IN 94	END SLURRY ENC D D 36 IN R D		7 7 2	EA     EA     CŸ	C	C C	l I	C I	3373.2	l l	0.41	
I-N	   LN-S/U		TC-LANE	CLOSURE (	JRBAN STI	REET	1	1	EA	С	1		CI	E		1.0	
	LN/S/S		LANÉ CLO	SURE URBA	N ST (S	FREET REPAIR)	1					្រ ទ [				1 1.01	
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RÓJECT: 253	3568 3	JOB:01	REV:0 TYPE: UD	NAME: RÓLANDO BL	K 7G2 -T&	C JOB	1					STATUS: AC	T WOI	RK ORDE	R: 2960700
			00 BLK 7G2 T&C JOB 1		STATUS: A										
			DISTRICT: CM DESIG									NE: 999-99		LOCATIC	N 021 OF 587
F-CIMU ID	AU ID	STOCK#	DESCRIPTION/C	ONSTRUCTION NOTES		QTY RQD	i I Iumi	WRK RSP	MAT RSP	TIM	ACC TRT	STANDARD	TYPE	HOURS	
I-N!	AS-2CT	l i	ASPHALT 2 SAW CUT		I							ļ	SR3AS	1 2.2	
I-NI		[ ]	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	TEEL PLATE	1	68 1	FT     EA	С	с	S         	С	G7453   	IC-BC	3.6  3.6  7.2	
I-N	REM-3'	  X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		90 23	FT     CY [	С	c.	S   	С	 	C-DT   	7.9  	
I-N	SLR-18 	656400	BACKFILL SLURRY 18 SLURRY MIX, 1 SAC			270 16	FT     CY	С	l C	S	с	G7409		0.51	
Ī	AB-M18 	114201	ASPHALT BASE MECH ASPHALT (BASE)	18 IN	   	86 10	FT	¢	i I C	S     S   	С	i T		2.3	
I I	1EB3SL   	249664	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2	O FT LENGTH		60 60 2	FT     FT     CY	С		S   	С	(3376.1 	3-WF3   	0.8    [ 	
I-N    	1-3SLB 		   1-3 IN DÉ 90 D 36 ]   BEND CONDUIT DB 3	N R BEND SLURRY E N N 90 D 36 IN R		1 1 1	EA   CY	С		[ ] [ ]	с	3373.2   	i 1	i 0.1i 1 J 1 .I	
	1-35LS   	322144 656400	1-3 IN DE 22.5 D 25 BEND CONDUIT DE 3	3 IN 22.5 D 25 FT		4 4 1	EA     EA     CY	С	C C		С	3373.2	1	0.7	
	  ln-s/u	ĺ	TC-LANE CLOSURE URB	BAN STREET		1	EA	С	1	s	C		   TC3		
I-N	  LN/S/S	i	LANE CLOSURE URBAN	ST (STREET REPAIR	u) [	1	EA	¢	İ	S		1	TC4		
I-N	]	  114215	TC-TRAFFIC CONDITIC ASPHALT, COLD MIX		IGS I	1	] FT   ] TN	¢	i I C	   S   	С	l I	TC4	0.1	
I-NI	)  XING/S	 	TRAFFIC COND. (XING	5 LANE) STREET REP	PAIR					S		ł	•	• • •	
WORK FAC FUNC CODE			EXIST TAG NEW	TAG						TION		ES			
						NDARD SHT 7		7LIO	N ID	TC35	SLC				
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ROJECT: 2	53568	JOB:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW C REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				5	STATUS: AC	T WOR	K ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1 STATUS										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 L	OCATIO	N 022 OF 5
WDV	1					1 WD M	I VATU	TW	200	CONTRACT	LODEN I		
ľ−Ň	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C	I I	S	С	G7453	3-WF3	9.5	
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	Ċ 1		S		   	3-WF3	0.4[	
I-N		611492  		25   2	FT   TN ]	C   	   C   	S	с	G7405   	3-WF3   C-BH    C-DT	0.1  0.1  0.1	
I-N	1DB3-S	           249664 [	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	j 25		C	 I I		С	3373.1		0.41	
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 25 I 3		С		S	С	   	[C-DT]	0.61	
⊑-N	PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	С		S	С	I	[3-WF3]	1.01	
ī-N			CONCRETE 2 SAW CUT AND BREAK MECH	i 15		С	[ ]	S	с	ĺ	   SR3AS	0.6	
E-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	15	FT		     		С	Ì		0.1	
∑-N  	1	  X20201   114215!	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	6   5   1	FT   EA   TN	C   		\$   	С	G7453 		0.21 0.21 0.51	
∑−N [ [	REM-3 ' [	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	6	CY	) C	i c i	S	С	i I	C-DT   	0.51	
I-N	1		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	18   2	FT	1 C 1	   C	5	С	  G7409 	3-WF3	I	
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	( 6 ( 6   1	FT   FT   CY	C   	1 1	S	С	3376.1		0.1	
I-N	SAW-CC		SAW CUT CONCRETE		 ] FT					İ	[SR-3C]	1.3	
I-N		i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	1	       C   	S	C	i I		1.0  	
I-N	LN-S/U	: I	TC-LANE CLOSURE URBAN STREET	1 1	]EA	С	i i	S		l	TC3	1.0	
I-N	  LN/S/S	s   1	LANE CLOSURE URBAN ST (STREET REPAIR)				 		с		  TC4		

WORK FAC FUNC CODE DESC

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# CONSTRUCTION NOTES

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OJECT: 2	3568 3	JOB:01	REV:0 TYPE: UD	NAME: ROLAND			1					STATUS: AC	T WOE	CK ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1		STATUS										
CATION: (	)23 SHEE	ET: 01	DISTRICT: CM DESIG	SNED BY: GEORG	E BONNER						PHOI	ME: 999-99	99 1	OCATIO	N 023 OF 58
WRK  F-C MU ID	AU ID	   STOCK#		CONSTRUCTION N	OTES	QTY RQD	ן ויטא	WRK RSP	RSP	TRT	TRT	STANDARĎ   PAGE	TYPE	HOURS	
I-N	13'HD-A	l I	HAND DIG TRENCH 3			20	FT	с		S	¢	G7453	3-WF3	7.71	
I-N I	1 BKF-3'	i i	BACKFILL TRENCH 3 1	FOOT DEEP		20	FT	С		S 	C	[ ]	(3-WF3) (C-BC	0.3  0.3	
I-N  	Í.		SHADE TRENCH WITH SAND, FILL RECY			1 2			с			G7405 1	3-WF3  C-BH  C-DT	0.1  0.1  0.1	
] [-N]		2496641	1-3 IN DE CONDUIT : CONDUIT DE 3 IN 3	SEC 20 FT LENGTH		20 1 20	FT	C	с	[ S	C 	3373.1 	]  3-WF3 ] 1	0.3	
I-N	R-XCES		EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP	)	20	FT   CY	С	c l		· C 	 	C-DT	0.5[	
I-N	ICC-2CT	i i	CONCRETE 2 SAW CUT	AND BREAK ME	СН	20	FT	C	I	1 S 1	C	I	SR3AS	0.8	
I-N	I ICF-H12	i i	FINISH CONCRETE SU	RFACE MAN 12	IN	[ 20	FT	C		S	(C	l	SR3CS	0.1}	·.
I-N    	i I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING 3 ASPHALT, COLD MI	STEEL PLATE	OE	i 6 1 5 1 1	FT   EA   TN	1 1			C   	G7453   	C-BC  C-BH  3SWF4	0.21	<u> </u>
I-N    	REM-3'	• •	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		6		C	l C	   S 	C 	1 1	IC-DT	0.5	
I-N    	SLR-18 	1 1	BACKFILL SLURRY 18 SLURRY MIX, 1 SA		IN DEEP	18   2		1 C	C		i c I	G7409			,
I-N    	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SAM	20 FT LENGTH		6 6 1	FT   FT   CY	i c 1		S	C   	3376.1		0.1	
	ILN-S/U		TC-LANE CLOSURE UR	BAN STREET		i 1		ic.	İ.		i c		TC3	1.01	
I <b>-</b> N (	  LN/S/S		LANE CLOSURE URBAN							   S			   TČ4		
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			O BLK 7G2 T&C JOB 1 STAT							STATUS: AC				
		ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	VE: 999-99	99	LOCATIO	N 024 0	F 58
NRK  F-C MU II	   AU ID	  STOÇK#	DESCRIPTION/CONSTRUCTION NOTES		1	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
I-N	AS-2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	47	FT	C I	Ì	S	C	I	SR3AS	1.2		
I–N    	l	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	41	FT   EA   TN	; c [	C   C	S   	ic I	G7453	C-BC  C-BH  3SWF4	2.2    4.3		
I-N  	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	14	IFT ICY	i C I	i I C	S 	i c I		C-DT	1		
I-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	162   10	IFT ICY	i c	i I C	S 	C 	I	3-WF3 	1 0.3  1		
   -N     	   	X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	47   5	FT   SF   TN   TN			   S   	C     	     	  C-BC  SR-3A   			
   -17   	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	34   34   1	FT  CY			5 	C 		[ [3-WF3 [ [			
I I I I	1-3SLB   	13220481  6564001	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		  EA  EA  CY	i c	C   C	. – [	   		[ [3-WF3 [	0.1		
E-N    	1-3SLS   	322144   656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4   4	IEA ICY	0   		S   	C   	3373.2   	  3-wf3   	1 1		
I N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	IEA	( C		I S	l I C	I	   TC3	1.0		
 [-N]	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		1						1	1		

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Block 7G2 UUP Attachment E – Technical Specifications

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P001EM2-LO 9/05/17 11	:36		SAN DIEGO GAS AND DPSS - DESIGN REVIEW (	COPY - DE	TAI:					;			
		TOD - 01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-TOP	- 1				ۂ 	STATUS: AC	T WC	RK ORDE	R: 2960700
			O BLK 7G2 T&C JOB 1 STATUS	S: ACT									
CATION: 0	25 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99	LOCATIO	N 025 OF 58
M D K I				1 OTY	   UM	WRK RSP	MAT RSP	TIM	ACĊ TRT	STANDARD   PAGE	CREW   TYPE	EST    HOURS	
I-N	[3'HD-A]	1	HAND DIG TRENCH 3 FT DEEP AVE	20	FT	I C I	i	S	[ C	G7453	3-WF3	) 7.7[	
I-N	! 1	1	BACKFILL TRENCH 3 FOOT DEEP	20	FT 	C	1	S	с	i I I	3-WF3  C-BC	3  0.3    0.3	
		611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20	TN		i c		C	G7405   	3-WF3  C+BH  C-DT	0.1	
I-N   [	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20 1 20	FT   F <b>T</b>	i c I	i c	S	C	3373.1	1	31 0.3   1	·
I-N	R-XCES	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 20	FT  CY	l C I	i L C	S	i c	1 1	1	0.5	l
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	1 C	1	l IS	c	l .	  SR3A5	5  0.8	
I-N	  CF-H12	I I	FINISH CONCRETE SURFACE MAN 12 IN	20		i c	1	5	i c		  SR3CS 	5 0.1	[
	E L	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	і б і 5 і 1	FT   EA   TN	   C   		S   	C   	G7453   	C-BC  C-BH  3SWF4	0.2	[
I-N  	RÉM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 6 1 2	FT   CY	Ì	i	I S	ן כ ו	 	i	0.5	l
E-N	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	18	İÇY	i c I		I	E	G7409	3-WF3	BI I	[
l	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	6   6   1	FT  CY	i c I I		is I		3376.1	3-WF3   	3 0.1	
I-N	SAW-CC		SAW CUT CONCRETE		FT	l C				1		: 1.3	
INI 1	1	  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)		CY	1 C		( S		l I	SR3CS	1 1	l
I-NI	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1		i c	•	•		Ì	   TC3	1.0	· _ · _ · _ · _ · _ · _ · _ ·
	   LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)			   C						1.0	

WORK FAC FUNC CODE DESC

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# CONSTRUCTION NOTES

			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2										R: 2960700
			DO BLK 7G2 T&C JOB 1 STATU										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 026 OF 5
NRK) F-CIMU ID	AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT   RSP	TIM  TRT	ACC	STANDARD	CREW  TYPE	EST    HOURS	
I-N	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	10	Į FT	c c	i	S	I C	G7453	3-WF3	4.1	
	   BKF-3' 		   BACKFILL TRENCH 3 FOOT DEEP 		FT 	i C	Ì	S	I C	1	3-WF3  C-BC	0.2	
I-N	1		   SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND; FILL RECYCLED MATLS PREFFERED 	10   1	TN 	C   	I C	S   1	1	G7405   	C-BH   C-DT		
I-N	1	249664	   1-3 IN DE CONDUIT SEC   CONDUIT DE 3 IN 20 FT LENGTH	10 10	[ [FT ]FT	i c	   C	1	i c 1	3373.1 		0.2	
	R-XCES 		EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE	10	•	i c I	i –	1   S 	i c	I		0.3	
	PLANTU	1	REMOVE/REPLACE LANDSCAPING	10	•	i c						1 1.0	
I-N    	i I	x20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE   TRAFFIC BEARING STEEL PLATE   ASPHALT, COLD MIX	6   5   1	FT   EA   TN	i c   	   C   C		; c   	G7453 	C-BC   C-BH   3SWF4	0.21 0.21 0.51	
I-N	REM-3'	1X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	6	) CY	i c	   C	l l	i c	İ	[	0.51	
I-N	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	18	]  FT  CY	, c	   C	S 		G7409	  3-WF3 	i i	
[—N]	1EB3SL   	249664  656400	 1-3 IN EB CONDUIT SLURRY ENCASED   CONDUIT DB 3 IN 20 FT LENGTH   SLURRY MIX, 1 SACK SAND	6	FT   CY	i –	C   C	S   1	l I	Ì	l I	1	
I-N	LN-S/U	[	   TC-LANE CLOSURE URBAN STREET 	1	-	i C	i		i c	Ì	TC3	1 1.0	
	  LN/S/S	t [	   lane closure urban st (street repair)	1	  EA	c		   S	   C	1	   TC4	1 1.0	
VORK FAC			EXIST TAG NEW TAG			CONS	TRUC	rion	NOT	ES			

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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELE DPSS - DESIGN REVIEW COPY		TAIL							P	AGE NÓ 30
PROJECT: 253568 JOB:01 REV:0 TYPE: U	D NAME: ROLANDO BLK 7G2 -T&	C JOB	1				5	STATUS: AC	T WOI	K ORDE	R: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB											
LOCATION: 027 SHEET: 01 DISTRICT: CM DE	SIGNED BY: GEORGE BONNER							VE: 999-99			N 027 OF 587
WRK         F-C MU ID  AU ID  STOCK#  DESCRIPTIC	N/CONSTRUCTION NOTES	RQD	UM [	RSPI	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
I-N   330926    HAND HOLE 3309.2        162690  QUAZITE BOX 37	2 37"X 26" X 26"	1	EA	CI	1	S	С	3309.2	3swf3	0.8	
I-N X09H26 INSTALL EXCAVATI		1   1	EA	C	ן כ ו	S [	С	3309.2		0.8	
II-N   1-3SLB    1-3 IN DB 90 D 3        322048  BEND CONDUIT D      656400  SLURRY MIX, 1	B 3 IN 90 D 36 IN R	4 4 1 1		C     	с   с		С	3373.2		l.	
[  I-N   SAW-CC    SAW CUT CONCRETE         [	1 ] 	5	FT[	CI	i i	SI	C		-	1.3	
[    I-N   CC-WLK]   CONCRETE SIDEWAL        248205  CONCRETE - 6 8									SR3CS	1,0	
WORK FAC FUNC CODE DESC EXIST TAG N		SHT 8		0NS1	RUCI	NOIN	NOTI	2S			<b></b> .
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Block 7G2 UUP Attachment E – Technical Specifications

I.

ROJECT: 25	3568	JQB:01	REV:0 TYPE: UD	NAME: ROLANDO	BLK 7G2 -T	&C JOB	1					STATÚS: AC	T WO	RK ORDEF	l: 29607	700
			O BLK 7G2 T&C JOB 1		STATUS:											
OCATION: (	28 SHE	ET: 01	DISTRICT: CM DESI	GNED BY: GEORGE	BONNER						PHON	NE: 999-99	99	LOCATION	1 028 OF	F 58
WRK( F-C{MU ID	I IAU ID	  STOCK#	DESCRIPTION/	CONSTRUCTION NOT	ES	QTY   RQD	   UM	WRX RSP	MAT     RSP	TIM  TRT	ACC TRT	STANDARD PAGE	CREW  TYPE	EST ( HOURS)		
I-N[	3'HD-A	1	HAND DIG TRENCH 3	FT DEEP AVE		5	FŤ   	С		S	CI	G7453	3-WF3	2.31		
I-N			BACKFILL TRENCH 3	FOOT DEEP				¢	• •	S			13-WF3 1C-BC	0.1		
I-N[ [ [	SHD-12		SHADE TRENCH WITH SAND, FILL RECY				FT ]   TN     1	-			сi	G7405	  3-WF3  C-BH  C-DT	_        _		
[-N]	i	249664	1-3 IN DE CONDUIT CONDUIT DE 3 IN	SEC 20 FT LENGTH		1 5	   FT     FT	_		S	l	3373.1	1	0.11 		
[-N	R-XCES	X30007	EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)		1 5	   ET     CY	с		SI	i		1	i 0.1i		
I-N	PLANTU		REMOVE/REPLACE LAN	DSCAPING		1 5	   FT	C	11	S [	C			0.51		
I-N	t I		MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE		1 8	   FT     EA     TN		   C     C		С	G7453	C-BC  C-BH  3SWF4	   0.4    0.4    0.8		
[-N]	REM-3'	X30007	TRENCE SPOIL 3 FT DUMPING FEE	DEPTH			   FT     CY	-	1 1 1 C 1		С		  C-DT 	0.9		
	ISLR-18		BACKFILL SLURRY 18 SLURRY MIX, 1 SA		DEEP		   T     CY	-			С	G7409	  3-WF3 ] 1	i 0.1i    _		
[-N]	1EB3SL	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN 3 SLURRY MIX, 1 SA	20 FT LENGTH		68	FT     ET     ÇY				C	3376.1	13-WF3 1 1	i 1.0i_ i I		
[ -N[ [	1-3SLB 	3220481	1-3 IN DE 90 D 36 BEND CONDUIT DE SLURRY MIX, 1 SA	3 IN 90 D 36 IN		2	EA     EA     EA			S   	сi	3373.2	  3-WF3   	0.1    0.1  		
			TC-LANE CLOSURE UR	BAN STREET		i 1		с						1.01		
	  LN/S/S	1 I	LANE CLOSURE URBAN	ST (STREET REPA	IR)		  EA		• •	s	с		  TC4	   1.0 _		

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DJECT: 25	3568 3	JOB:01	REV:0	TYPE	: UD	NAME :	ROLANDO	BLK 7G2	-T&C JC	B 1				S	TATUS: AC		RK ORDE	Ř: 2960	700
IGN: 01	NAME :	ROLAND	O BLK 7	G2 T&C J	OB 1				S: ACT						·				
				T: CM	DESI	GNED BY	: GEORGE	BONNER							E: 999-99				
KKI -CIMUID	AU ID	STOCK#		DESCRIP	TION/	CONSTRU	JCTION NO	TES	<u>o</u> ty   rqi	i Jum	WRK   RSP	MAT   RSP	TIM  TRT[	ACC   TRT	STANDARD PAGE	CREW  TYPE	EST     HOURS		
-N   	1EB3SL   	[	1-3 I CON SLU	N EB CON	DUIT 3 IN	SLURRY 20 FT I	ENCASED LENGTH		13	9 FT 9 FT		   C	SI	CI			1.9  		
-N	1-3SLB   	  322048   656400	1-3 I BEN SLU	D CONDUI	T DB 1 SA	3 IN 90 CK SANI	) D 36 IN D			1 EA 1 EA 1 CY	] C 		SI		3373.2	3-WF3	0.1  		
DRK FAC JNC CODE			EXI	ST TAG	NEW					c	CONS	TRUCI	TON	NOTE	s				
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				TYPE: UD			BLK 7G2 -1								T WO	RK ORDEI	R: 2960	700
ESIGN: 01				2 T&C JOB 1			STATUS:											
CATION: 0	30 SHE	ET: 01		CM DES										NE: 999-99	99	LOCATIO	N 030 C	F 58
			I	DESCRIPTION,	/CONSTRU	ICTION NOT	ES	QTY   RQD	  UM1	WRK RSP	MAT  RSP	TIM TRT	ACC TRT		TYPE	HOURS		
[-N]	IAS-2CT	• •		2 SAW CU				120				S		Ì	SR3AS	3.1		
I-N	i 1	x20201	TRAFI	IG TRENCH I FIC BEARING ALT, COLD MI	STEEL P			136   102   2	EA   TN				_	G7453 	C-BC   C-BH	[ 5.4] [ 5.4] [ 5.4] [ 10.9]		
-N	REM-3'	i i		SPOIL 3 F. ING FEE	T DEPTH			136   34	FT	С	i i		С	1 1 1	C-DT	12.0		
[-N		• •	SLURF	LL SLURRY 18 RY MIX, 1 SJ			DEEP	408 23	I FT	Ċ	C		с	G7409 	3-WF3	0.8		
       	AS-M18   	  X20022   114201	ASPHALI GRINI	F BASE & TO ASPHALT (1 ALT (BASE) ALT (TOP)		I 18 IN		120 120 11 3	FT SF	с	C		с	 		8.0  8.0  1 8.0		
[-N	Ì	249664	CONDU	EB CONDUIT JIT DB 3 IN RY MIX, 1 SA	20 FT I	LENGTH		136   136   3			C     C		с	3376.1	  3-WF3   	1.9[ 		
Ľ-N   	İ	322048	BEND	DB 90 D 36 CONDUIT DB RY MIX, 1 SA	3 IN 90	D 36 IN		i 2	EA   EA   CY				с	3373.2   	3-WF3   			
C-N	LN-S/U	1 I	TC-LANE	CLOSURE U	RBAN STF	REET		1	EA	с		S	с		TC3	1.0		
ī−N	  LN/S/S	1 l	LANE CI	LOSURE URBAN	N ST (SI	REET REPA	IR)	( 1	  EA	с	ו   	S	с	1 	I [TC4	1.0		

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Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 762	2 -T&C JOE	31					STATUS: AC	T WOF	K ORDE	R: 2960700
				US: ACT									
CATION: C	31 SHE	ST: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 I	LOCATIC	N 031 OF 58
	  AU ID		DESCRIPTION/CONSTRUCTION NOTES	1 RQD	UM	ŔSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
L-N			HAND DIG TRENCH 3 FT DEEP AVE	10	FT	i C	(	S	c	G7453	13-WF3	4.1	
[-N  	1		BACKFILL TRENCH 3 FOOT DEEP			) C		l S	С	i I	3-WF3   C-BC	0.2  0.2	
   [   			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	[ ]	  FT  TN	i - I -	   C 	1		G7405   	C-BH  C-DT	- - -	
[-N]	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	110	)   FT	i c	   C	S		3373.1	  3-WF3  	0.21	
	R-XCES	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 10	 ) FT L CY	i c		S	С	i	TC-DI		
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	1 10		i c	ļ	ŝ	C	ł	[3-WF3]		
! IN   	l [	  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	İ	   FT   EA   IN			[S] [ [		G7453   	C-BC  C-BH  3SWF4	0.1  0.1  0.2	
[_N	REM-3 '	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		LICY		1 1 C	I S	C   	Ì	  C-DT 1		<u></u>
I-N  	ÍSLR-18 I	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		 9 FT L CY	i c	1 1 C	j		G7409	3-WF3   		
I – N     	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND			i c	i c	S 	•	3376_1   	3-WE3   		
[ -N	ISAW-CC		SAW CUT CONCRETE	1	] 5]FT	c		s	   C	l E	I SR-3C		
I-NI !	1	  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)		   EA   CY		     C	S 	1 1 1	1	   SR3CS 	1.0	
	LN-S/U	• •	TC-LANE CLOSURE URBAN STREET	:				i s	C	1	1 1TC3	1.0	<u> </u>
[-N]	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		   EA	l c		   5	¢		  TC4		

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ROJEČT: 25			REV:0 TYPE: UD	NAME: ROLANDO BLK								TATUS: AC	T WOI	rk ordei	R: 29607	00
ESIGN: 01	NAME	ROLAND	0 BLK 7G2 T&C JOB 1	S	TATUS: A											
OCATION: (	)32 SHEI	ET: 01	DISTRICT: CM DESIG	NED BY: GEORGE BON	NER						PHON	IE: 999-99	99 I	LOCATIO	N 032 OF	58
WRK  F-C MU ID	  AU ID		DESCRIPTION/C	CONSTRUCTION NOTES				RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS		
I-N			HAND DIG TRENCH 3	FT DEEP AVE	+	20	FT	С	i i	S	С	G7453	3-WF3	7.71		
I-N[	1		BACKFILL TRENCH 3 B	TOOT DEEP	1. 1 1	20	FT     FT	С		s	С		3-WF3  C-BC	0.31		
I-N			SHADE TRENCH WITH S SAND, FILL RECYC				  7T   TN  	с		5     [		G7405	:3-WF3  C-BH  C-DT			
I-N	i	249664	1-3 IN DE CONDUIT S CONDUIT DE 3 IN 2		1		FT   FT   FT	-		s [	с	3373.1	1	0.31		
I-N  	R-XCES	X30007	EXCESS TRENCH SPOII DUMPING FEE	L (12 IN DEEP)	1		   ET     CY		• •	SI	С		]  C-DT   	0.5		
1-N			REMOVE/REPLACE LANI	SCAPING		20	 [FT	С	1 I 1 I	SI	с		3-WF3	2.01		
I-N		X20201  [114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	TEEL PLATE		3	   FT     EA     TN		C     C	S I	С	G7453	C-BH  3SWF4	0.2  0.2  0.3		
I-N	REM-3' 	X30007	TRENCH SPÓIL 3 FT DUMPING FEE	DEPTH		-	IFTI ICYI		i c i	S 1	с		  C-DT 	1 0.4		
I-N  	SLR-18 		BACKFILL SLURRY 18 SLURRY MIX, 1 SAG		EP   		FT     CY	С	i i i c i	S   	_	G7409	  3-wf3   	i i		
	1EB3SL   	  249664   656400		20 FT LENGTH		4	[ FT     FT     CY	С	   C	•		3376.1	3-WÉ3 	i 0.11		
I-N			SAW CUT CONCRETE			5	 [FT	С		S I	c		   SR-3C			
	1	[248205	CONCRETE SIDEWALK S CONCRETE - 6 SACH		HED   		  EA   CY		C		с		i	i 1.0		
I-N	  LN-S/U	i i	TC-LANE CLOSURE URB	BAN STREËT				С			с			1.0		
 I-N	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPAIR)			EA	С		] S				   1.0		

JUELT: 20							LANDO BLK							S	TATUS: AC	T WOI	RK ORDE	R: 2960700
SIGN: 01	NAME :	ROLANE	O BLK 7		ОВ 1		S	TATUS: 3	ACT									
CATION: 0						ED BY: G	EORGE BON								Æ: 999–99	99 :	LOCATIO	N 033 OF 58
RK  -C MU ID	AU ID	STOCK#					ON NOTES		RQD	UM	RSP	RSP	TIM  TRT	ACC   TRT	STANDARD PAGE	TYPE	HOURS [	
N   	330926  	 [162690]	hand : QUA	HOLE 330	9.2 37"	X 26" X 5"26"	26"		1   1	EA   EA	C	c	SI	CI	3309.2	3SWF3	0.8	
-N   	1	  162690	insta QUA	ll excav ZITE BOX	ATION/E 37"X26	EMOVE			) 1 ] 1		CI	C	S I	C	3309.2	•	0.8	
-N	1-3SLB	322048     656400	1-3 I BEN SLU	D CONDUI	T DB 3		SLURRY EN 36 IN R	ĩC	3   3   1	EA   EA   CY		   0     0	S   	C ] 	3373.2	3-WF3   	0.2  	
-N]	SAW-ĆC	1 1	SAW C	UT CONCR					5	FT1	C I	[	S	C I		   SR-3C	1.3	
-N  	  CC-WLK	1    248205	CONCR CON	ETE SIDE CRETE -	WALK SE 6 SACK	CTION (5 (3/4" RC	X5) FINIS CK MIX)	SHED		EA	CI	]	S	С		   SR3CS 	1.0	
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I.

			REV:0 TYPE: 0	JD NAME:	ROLANDU	BUK /GZ -:							AC		CR ORDE	R: 296070
ESIGN: 01	NAME	: ROLAN	DO BLK 7G2 T&C JOB	1		STATUS:	ACT									
			DISTRICT: CM DI	SIGNED BY		BONNER						PHON	NE: 999-99	99 I	LOCATIO	N 034 OF
WRK  F-C MU ID	  AU ID	   STOCK#	   DESCRIPTIO	ON/CONSTRU	JCTION NOT	ES	QTY RQD	   UM	WRK RSP	MAT   RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW   TYPE	EST   HOURS	
Ľ−N∣	AS-1CT	1	ASPHALT 1 SAW (	CUT AND BR	EAK MECH		1	FT	( C		S	с	   	SR3AS		
  -N TC16S1           	     [ [	       	3316 TC SLURRY BAG           			LETE		EA       		             [	S           	с	3316.3     	C-BH	3.0  9.0  1.5  4.8  3.0  0.2	
 [ ]	  C/P16H	248205 	ADJUST HH TO GRI CONCRETE - 6 : COLD PATCH AND (	SACK (3/4" CLEAN-UP 3	DOOR NTY	1	1	CY EA	1 1 C	[ C [ C			   	[ [ ]		
[ [	  R/S16H 	114200    X30007	ASPHALT (COLD SPOIL FROM 3316 DUMPING FEE	PATCH) HH			i 31	EA  CY	іс 1				]   	   	   	
	  X16H-A    16H-SL    3316TC	X30010    601600    248200 	SHORING PRIMARY SHORING MATER: EXCAVATE 3316 H ROCK, DRY, 3/1 BACKFILL SLURRY CONCRETE - 1 1 HANDHOLE 3316 W. 3316 TRAFFIC (	IAL ANDHOLE A 3" RECYCLE 3316 HH SACK (SANE ITH TRAFFI	AVERAGE ED MATLS P D MIX) EC COVER	REFFERED	1 39   1   2   1   7   1	EA   EA   TN   EA   CY   EA					3316	<b>1</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
I-N  	  RED5-4	[	   CONDUIT BELL REI   CONDUIT BELL I	DUCER DB 5	5 IN TO 4	IN	8	1	l c	 		с	13373.2			
I – N	  RED4-3 	l    573380	   CONDUIT BELL RE   CONDUIT BELL 1	DUCER DB 4	IN TO 3	IN	   1   1	[EA		i C	1	-	  3373.2 	   		
I-N	LN-S/U	1	TC-LANE CLOSURE	URBAN STR	eet		1	   EA	C	i i	S	C	1	   TC3	1.0	
 I-N	  LN/S/S	ſ	   lane closure uri					[								
WORK FAC FUNC CODE			EXIST TAG	NEW TAG					CONS	TRUC	TION	NOTI	ES			
I PH	I PRI	HANDHOL	Ξ ]	H131541		SEI	SHT 8									

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			REV:0 TYPE: UD	NAME: ROLANDO BL	K 7G2 -T&C JOB	1				5	TATUS: A	CT WOI	RK ORDEN	R: 2960700
ESIGN: 01	NAME	: ROLANE	O BLK 7G2 T&C JOB 1		STATUS: ACT						·			
OCATION: 0	35 SHE	ET: 01	DISTRICT: CM DESIG	SNED BY: GEORGE BO	NNER						IE: 999-9			N 035 ÓF 587
WRK! F-C MU ID	I AU ID	  STOCK#		CONSTRUCTION NOTES	QTY   RQD		WRK	MAT     RSP	TIM   TRT	ACC	STANDARD	CREW   TYPE	EST   HOURS	
I-И-I   	BH04XH   	  X20201   114215	MACH DIG TRENCH 4 TRAFFIC BEARING : ASPHALT, COLD MI	FT DEEP BACKHOE STEEL PLATE	8   8   1	EA ]   TN ]	]   ]		5	с	G7453	C-BC  C-BH  3SWF4	0.4  0.4  0.8	*
I-N	REM-4 '		TRENCH SPOIL 4 FT DUMPING FEE		8   3	FT   CY	с		S			  C-DT   	1.0	
I-N	SLR-18 	i i	BACKFILL SLURRY 18 SLURRY MIX, 1 SAG	IN WIDE X 12 IN D CK SAND	EEP   24   2	FT	C	1	S 	C	G7409		í í	
I-N	12EB4SL	  249710   656400	2-4 IN EB CONDUIT S CONDUIT DB 100 4 SLURRY MIX, 1 SAG	IN 20 FT LENGTH	139   278   5	FT   FT   CY	i c I	C	S   		3376.1		<u></u> [	
1-N	2-4SLB 	322082[	2-4 IN DB 90 D 36 3 4 IN DB 100 90 D SLURRY MIX, 1 SAG	36 IN R BEND	INC   1   2   1	EA     EA     CY	[ 	   C   C	\$   		3373.2	1	0.1	
I-N	SAW-CC		SAW CUT CONCRETE		1 10		ΪĊ		S	C		   \$R-3C	1.5	
T-NI	  CC-WLK 	1 1	CONCRETE SIDEWALK : CONCRETE - 6 SACI	SECTION (5X5) FINI K (3/4" ROCK MIX)	SHED I 1	IEAI		i	I Ś	i c i		  SR3CS 	1.0  	
WORK FAC FUNC CODE			EXIST TAG NEW	TAG	SEE SHT 8		CONS:	TRUC:	TION	NOTE	S			
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			· <u> </u>											

		JOB:01	REV:0	TYPE: UD	NAME: ROLANDO	) BLK 7G2 -T&	C JOB	1								R: 2960700
ESIGN: 01	NAME :		O BLK 7G2	Tac job 1		STATUS: A	CT									
OCATION: 0	36 SHEI	ET: 01	DISTRICT:	CM DES	IGNED BY: GEORGE	BONNER									LOCATIC	N 036 OF 5
WRK  F-C MU ID	  AU ID	STOCK#	D	ESCRIPTION	CONSTRUCTION NO	) TES	QTY RQD	  UM	WRK RSP	RSP	TIM]	ACC TRT	STANDARD PAGE	CRÈW  TYPE	HOURS	
I-N  	FC3PAD 	  162426   514240	PAD 342 HANDH PAD 1	1 W/HH 3-P OLE BODY 1	HASE FUSE CABINE 7 IN X 30 IN X 1 R / 3-PHASE F.C.	T   12 IN 3312	1 1 1	EA   EA   EA	С	i I C	S   	C	3421.1	3-AF4 	0.7  	
I-N	XFC-3P	[	EXCAVAT	E 3421 PAD	W/HH (3-PHASE P	.c.)	1	[EA]	С	ĺ.	SI	С	3421.2	3SWF3	0.6	
IN	TG−E−₩	i i	TRENCH	GRD WIRE W BARE COPPE	/O RODS (EQUIP/S R #2-7 STR SOFT	SWI/HH) DRAWN	1 8	EA   LB	С	i i		С	4510.1		0.2	
I-N	1-4SLB	  322082   656400	4 IN SLURR	DB 90 D 36 DB 100 90 Y MIX, 1 S	IN R BEND SLURF D 36 IN R BEND ACK SAND	I	2 2 1	EA     EA     CY	С	   C   C		С	3373.2	3-WF3   	0.1	
I-N	LN-S/U		TC-LANE	CLOSURE U	RBAN STREET		1	(EA)	С		S	С	İ			
	  LN/S/S		LANE CL	osure urba	N ST (STREET REP	AIR)				 				   TC4		
I PD	PAD				18254		IDARD SHT 8									
																· · · · · · · · · · · · · · · · · · ·
																· · · · · · · · ·

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Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: 25	3568 0	JOB:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				<u>۽</u>	STATUS: AC	T WOF	K ORDE	R: 2960700
SIGN: 01	NAME :	ROLANI		S: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER			÷			PHO	JE: 999-99	99 I	OCATIO	ON 037 OF 58
F-CIMU ID	  AU ID	   stock#	DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	1 100	FT	¢	I	S	I C	i	SR3AS	2.6	
IN    		[  X20201   114215	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 100 1 100 1 1	FT   EA   TN	С	i	S	i C 1 1	G7453	C-BC    C-BH    3SWF4	5.0  5.0  10.0	
<b>I</b> -N	1	1 1	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	100 34	CY	i c	I C	1	   C 	l	  C-DT   	12.0	
	SLR-18 	i · i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 300 i 17	I FT I CY	c	C	S 		G7409	3-WF3    	. 1	
	AS-M18   	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	100   100   9   3	FT   SF   TN   TN	C     		S     		[ [ ] ]	C-BC   SR-3A   	6.7 6.7	I
  -N    	l l	  249710  656400	2-4 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 100 4 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 325 650 1 12	FT   FT   CY		   C   C	S 	1	3376.1 ] 	3-WF3   		
[-N]	2-4SLS   	321826 656400	2-4 IN DB 22.5 D 25 FT R SLURRY ENCASED 4 IN DB 100 22.5 D R BEND SLURRY MIX, 1 SACK SAND	4   8	EA   CY	i c   		1		3373.2	3-WF3   		· · · · · · · · · · · · · · · · · · ·
I-N	  LN-S/U	1	TC-LANE CLOSURE URBAN STREET	1		C	1	)   5	c		TC3		
N	  LN/S/S	i	LANE CLOSURE URBAN ST (STREET REPAIR)	•	EA.	c	1	S	1 1 C		TC4	1.0	l [
-N	1	  114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1 1	FT   TN 		C	-	I C	L [ ]	   TC4 	0.1	   
[-N]	XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	j 1	FT	¢		s	10		TC4		
[ -N	  ARRO-B	1	TC-ARROW BOARD ASSIST FOR TRENCHING	j 1		i c			1 C	1	ARROB	1.0	
	   FLAG-U		TC-FLAGGING	•		l 1 C			   C		! ]C-FL		

			REV:0 TYPE: UD NAME: ROLANDO BLK 70	G2 -T&C JOE 	1					STATUS: AC	CT WO	RK ORDEI	R: 2960700
				TUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNE	R 					PHO	NE: 999-99	999	LOCATIO	N 038 OF 5
RK  -C MU ID	AU ID	[  STOCK#[	DESCRIPTION/CONSTRUCTION NOTES	[QTY  RQD	   UM	WRK RSP	MAT   RSP	TIM TRT	ACC	STANDARD   PAGE	CREW   TYPE	EST    HOURS	
-N	AS-2CT 	I I	ASPHALT 2 SAW CUT AND BREAK MECH	i 255	I FT	I C	[	S	с	I	SR3AS	6.61	
	BH0 4 XH 	i E   X20201[	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	[ 255 [ 3	FT   EA   TN	C   		5	C	G7453   	C-BC  C-BH  3SWF4	12.8    12.8    12.8    25.5	
-N	REM-4 '	1 1	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	255		i c I		S			[C-DT	30.6	
-N	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		FT   CY	Ċ	C		C	G7409 		1.5	
-N	AS-M18   	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	255   255   23	FT  SF	C   	C     C     C			   		17.1[   17.1[   17.1[ 	
l	1EB4SL   	249710	1-4 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 100 4 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	332   332   6	FT	1			i c	  3376.1 			
	1-4SLS	]  321826[	1-4 IN DB 22.5 D 25 FT R SLURRY ENCASED 4 IN DB 100 22.5 D R BEND SLURRY MIX, 1 SACK SAND	4   4   1		i C i i			-   		1		
-N	LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	1 1	EA	i c		s			TC3	1.01	
-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1		i c		S	c	1	TC4	1.01	
-N		  114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1   1	   FT   TN 	i c	ici	S	с	     1			
-N [	XING/S	i i	TRAFFIC COND. (XING LANE) STREET REPAIR	1 1	FT	с	• •	S	с	i	TC4	0.1	
-N	ARRO-B	i i	TC-ARROW BOARD ASSIST FOR TRENCHING	j 1		С		S			ARROB	<u> </u>   1.0	
•	   FLAG-U		TC-FLAGGING			l c	•	S				[ [_ [ 1.0]	

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ROJE	CT: 253	3568	JOB:01	REV:0	TYPE: UD	NAME: ROLA	NDO BLK 7G2	2 -T&C JOB - <b></b>	1 				؟ 	STATUS: AC	T WO		R: 2960700
			: RÓLANI	DO BLK 7G2	T&C JOB 1		STAT	JS: ACT		. <u>.                                   </u>							
				DISTRICT: 0	CM DESIG	SNED BY: GEO	RGE BONNER						PHON	NE: 999-99	99 :	LOCATIO	N 039 OF 58
r−ci	MUID	AU ID	   STÓCK#	   DE:		CONSTRUCTION	NOTES	OTY	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	[TYPE	HOURS	
-N		AS-1CT	1	ASPHALT		AND BREAK			FT	CI	i		c	]		i I	
 	TC15SL	  (EXPL)       	l	  3315 TC SU       	URRY BACKFI	ILL INSTALL	COMPLETE		EA              			s	С	3315.3     	C-BH  C-DT  SR3CS  BOOMT  3-AF4	3.0  3.3  1.5  4.8  3.0  0.2]	
           		  C/P15H    R/S15H	248205 1 114200 1 1×30007	CONCRE	TE - 6 SACH CH AND CLEA T (COLD PAJ OM 3315 HH G FEF		IMIX) H	1   1   2   1   11	EA   CY   EA   TN   EA   CY   EA	с с с	i c i			[ [ ] ] ]			
		X15H-A     15H-SL     3315TC 	  601600    248200    400308	EXCAVATE   ROCK,   BACKFILL   CONCRE   HANDHOLE   3315 T	3315 HANDH DRY; 3/8" H SLURRY 331	HOLE AVERAG	E LS PREFFERI	1 ED   1   1   5   1	EA  TN  EA  CY  EA  EA	c c				3315.4      3315	- 1 1 1 1 1		
   N [		RED5-4 	    573384 	CONDUIT CONDUI	BELL REDUCH T BELL REDU	ER DB 5 IN I UCER 5 IN IC	04 IN 4 IN	5   5	] EA   ] EA	C		S 	С	3373.2 	     		
-N[		RED4-3 	i	CONDUIT	BELL REDUCH T BELL REDU	ER DB 4 IN I UCER 4 IN TO	:03 IN 3 IN	4	EA	C	ĺ	S 	i C	3373_2 1	1		
  -N		   LNS/U 	E	] TC-LANE	CLOSURE URI	BAN STREET		i 1	EA	C		S	C I	1	jTC3	1.0	
  -N		  ln/s/s	1	I LANE CLO	SURE URBAN	ST (STREET	REPAIR)										
TUNC				EXIST	TAG NEW	TAG			(	CONS	I'RUC'	TION	NÓTI	ES			
I 	PH	PRI	HANDHOL	E 	H13:			STANDARD SEE SHT 8		ATIO)	UI N	341	6TC 				
		·				· _ ·											

	3568					ROLANDO BLK 7G2		1								R: 2960700
SIGN: 01	NAME	: ROLAND	) BLK 7G2 1	rec job 1		STATUS	: ACT									
CATION: 0	40 SHE	ET: 01		CM DESIG	GNED BY:	GEORGE BONNER						PHON	E: 999-99	99 1	LOCATIC	N 040 OF 5
RK; -C[MU ID	I AU ID	  STOCK#	DEŚ	SCRIPTION/C	CONSTRUC	CTION NOTES	] QTY	  UM	WRK] RSP]	RSPIT	[RT] ]	RT		TYPE	HOURS	
-N	L1EB3SL		1-3 IN EF		SLUBBY E	INCASED INGTH SLURRY ENCASED	107   107   107   3	ביייו	сi	1	c i	c i	3376.1	। २	יי	
[		322144!	SLUBRY	ONDUTT DB 3	5 IN 22.	LURRY ENCASED 5 D 25 FT R	1 4	EA   CY]	1 1	C I				l		
-N [	1-3SLB   	  322048   656400[	1-3 IN DE BEND CO SLURRY	3 90 D 36 I ONDUIT DB 3 MIX, 1 SAG	IN R BEN 3 IN 90 CK SAND	ID SLURRY ENC D 36 IN R		EA     EA	Cİ	0     	SI	c     	3373.2	  3-WF3   	0.1! 	
ORK FAC UNC CODE	:															
			EXIST 1	TAG NEW	TAC			C	ONST	RUCT.	ION N	IOTE	S			
			EXIST 7			-	EE SHT 8			RUCT:	ION N	IOTE				
						-	EE SHT 8			RUCT:	ION 1	IOTE	S			
						-	EE SHT 8			RUCT:			S			
						-	EE SHT 8						S			
						-	EE SHT 8			RUCT1			S			
						-	EE SHT 8			RUCT			S			

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OJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1	<b>.</b>							R: 2960700
SIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1 STATUS:							<b></b>			
		ST: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 041 OF 58
RKI -CIMU ID	 (AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSPI	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
-N	AS-2CT	1 I	ASPHALT 2 SAW CUT AND BREAK MECH	442	FT	C j	1	s		l	SR3AS	11.5	
N	1	  X20201   114215	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	442 442	FT     EA     TN	c   	C C	.s 		G7453   		22.1) 22.1) 44.2)	
-N	REM-4'	X30007	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	442 151	FT   CY	C I	с	S	i c	1	•	53.0	
-N	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1515   85	FT   CY	С	с	S	I C	G7409 	3-WF3   	L I	
-N	AS-M18   	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	442 442 40 1 10	FT	С	с с	S     		     	C-BC  SR-3A   	29.61   	
1	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	465 465 9	FT     FT     CY	С	Ċ	S		3376.1 	•	6.5	
 [	1-3SLS   ]	322144   656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4   4   1	EA   EA   CY	С	   C	S   	i c I	3373.2   [	3-WF3       ]	[   [ [	
-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1	EA)	С		S	I C	1	TC3	1.0	
		i i	LANE CLOSURE URBAN ST (STREET REPAIR)			С	•		i c	Ì	,   TC4	1.0	
-N	1	  114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT   TN		   C		C 		TC4 		    
-N	  XING/S	i i	TRAFFIC COND. (XING LANE) STREET REPAIR	į 1		Ċ	'   	i s	i c	İ	TC4		   
	  ARRO-B	i i	TC-ARROW BOARD ASSIST FOR TRENCHING	i 1	HR	с		S 	•	1		1.0	1
	]   FLAG-U		TC-FLAGGING		•	с			i c		C-FL		

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PROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G	52 -T&C JOB	1				2	STATUS: AC	T WO	RK ORDE	R: 2960	700
			0 BLK 7G2 T&C JOB 1	STA1	US: ACT								<b></b>		
OCATION: 0	42 SHE	ET: 01	DISTRICT: CM DESIG		۱ 						IE: 999-99				
WRK  F-C MU ID	  AU ID	 [STOCK#	DESCRIPTION/CO		LOTY	1	WRK	וידי בתאו	ΨTMI	ACC	STANDARD	CREW	FST I		
I-N	AS-2CT		ASPHALT 2 SAW CUT 2	AND BREAK MECH	160	[ FT	C	I I	S I			SR3AS	4.2		
I-N	BH04XH   ]	      X20201   114215  	MACH DIG TRENCH 4 3 TRAFFIC BEARING S' ASPHALT, COLD MIX	FT DEEP BACKHOE TEEL PLATE	2	FT   EA   TN	C   	C     C	S I	C	G7453	3SWF4	8.5    8.5    17.0		
I-N	REM-4'	  X30007	TRENCH SPOIL 4 FT 1 DUMPING FEE	DE PTH	170   58	FT   CY	C		S 1	C		1	20.4		
I-N	SLR-18 	[656400]	BACKFILL SLURRY 18 SLURRY MIX, 1 SAC		85	[ FT [ CY	C 		S I	C	G7409	Ì	i 3.0		
I-N	AS-M18   	X20022   114201   114202	ASPHALT BASE & TOP GRIND ASPHALT (PEI ASPHALT (BASE) ASPHALT (TOP)		505   46   11	FT   SF   TN   TN	Ç I	C     C     C     C	1				33.8    33.8  		
I-N	1EB3SL   	249664   656400	1-3 IN EB CONDUIT S: CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAC	0 FT LENGTH	138   3	FT   FT   CY	c		SI	¢	3376.1	  3-WF3   			
IN	1-3SLS   	[322144  [656400	1-3 IN DB 22.5 D 25 BEND CONDUIT DB 3 SLURRY MIX, 1 SAC	IN 22.5 D 25 FT R	4 4 1	EA  CY	i c	   ¢     ¢	ļ		3373.2		i 1		
1	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 I BEND CONDUIT DB 3 SLURRY MIX, 1 SACI	IN 90 D 36 IN R		ÉA   CY	C 	           	S   		3373.2				
	ILN/S/S		LANE CLOSURE URBAN	ST (STREET REPAIR)	1 1		с		S						
	   LN-\$/U		TC-LANE CLOSURE URBA	AN STREET	1	  EA	l c	1 1 1 1	s I	С		   TC3	   1.0		
WORK FAC FUNC CODE			EXIST TAG NEW 7	 TAG		(	CONS	TRÚCI	ION	NOTE	s				
					SEZ SHT 8										

الالتيا ستابيا بتنابيا الستاب بالالالا الالاليا التابية ساباللا فالت

للتبيينا والمسافات المبار سالات

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ROJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&Ċ JOB	1				5	STATUS: AC	CT WO	RK ORDEE	R: 2960700
ESIGN: 01	NAME :	ROLANDO	D BLK 7G2 T&C JOB 1 STATUS:	ACT									
CATION: 0	43 SHEE	T: 01 1	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATION	1 043 OF 58
				1 ATTV		NTO TA	NO T	ተ ምግሌ በ	300		I C D F W	L LCL 1	
I-N I	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	20	FT	С		S	C	G7453	13-WF3	7.7	
I-N	BKF-3'	1	BACKFILL TRENCH 3 FOOT DEEP	20	FT	C	[	\$	C	   	]3-WF3	0.3	
I_N    	1	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20   2 	FT     TN   	С	1   C 	1 S   ]	C   	G7405   	3-WF3  C-BH  C-DT	0.1    0.1    0.1	
I-N  	1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20	FT     FT	С	i I C		i C I	(3373.1 	3-WF3	i [	
	R-XCES 	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	FT	С		S	I C	[ 		i 0.51 I I	
(-N)	PLANTU 	i i	REMOVE/REPLACE LANDSCAPING	17		С	[	S	1 C	1	•	1.7	<u> </u>
I-N	icc-2ct	i i	CONCRETE 2 SAW CUT AND BREAK MECH					S		1		0.1	
[_N]		i i	FINISH CONCRETE SURFACE MAN 12 IN	3				S		1	SR3CS	i i	
E-N    	1		MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	3   3   1	FT   EA   TN	C	   C   C	S   	C   	G7453   	C-BC   C-BH   3SWF4	0.1	
E	]	X30007	ASPHALT, COLD MIX TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 3 I 1	ΙCΥ	υ	i –	1	i c	[	C-DT	0.3  	-
[-N] [	SLR-18 	    656400  	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 9 1 1	FT	C	l L C	Ş	I	G7409	(3-WF3		
I-N	1EB3SL   	  249664   656400		5   5   1	FT   FT   CY	c	1 1 C 1 C	i s	C   	3376.1   	3-WF3	0.1	
I-N	SAW-CC		SAW CUT CONCRETE	5	[ FT	l C	i	s	i c	Ì			·
 ב–א  	ICC-MTK	1 i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	I EA	C 		1 ] S ]	   C 	     1	  SR3CS 		
(-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C	1	   S 	i c	[	TC3	1.0	
I-N	1  LN/S/S	 	LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	EA	i c		S	I C	1	TC4	1 1.01	·

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EXIST TAG NEW TAG

### CONSTRUCTION NOTES

ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO	BLK 7G2 -Ta	C JOB	1				5	STATUS: AC	T WO	RK ORDE	R: 2960	700
			O BLK 7G2 T&C JOB 1													
OCATION: 0	44 SHE	ET: 01		GNED BY: GEORGE	BONNER							NE: 999-99				F 58
WDK	1	1 r						NDV	M73 99 1	m TM L	200	CURATION	ICDEN			
I-N	3'HD-A		HAND DIG TRENCH 3	FT DEEP AVE		15	FT	C		S I	C	G7453	3-WF3	5.9		
ī−N [	BKF-3'		BACKFILL TRENCH 3	FOOT DEEP		15		С		SI	С		3-WE3  C-BC	0.2		
I-NI	I	i i	SHADE TRENCH WITH SAND; FILL RECY	SAND - 12 INCH W CLED MATLS PREFI	NIDTH FERED	1 	TN 	C	   c	SI	С	G7405	3-WE3   C-BH   C-DT	i i i i		
I−N]	]	249664	1-3 IN DE CONDUIT CONDUIT DE 3 IN			15   15	FT	С		S I		3373.1		0.2	<u></u>	
] [-N]	R-XCES		EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)		15   2	CY	С	с	s   	С		C-DT 	0.4		
I-N	PLANTU	I	REMOVE/REPLACE LAN	DSCAPING		15		С		\$ I				1.5		
I-N		  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE	2	5 4 1	   FT     EA     TN	С	C I C I	5     	С	G7453	C-BH  3SWF4	0.2  0.2  0.2	· <u> </u>	
I−N  [	REM-3'		TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		5 1 2	ÇY	C	C [	S	с					
I-N	SLR-18 	i i	BACKFILL SLURRY 18 SLURRY MIX, 1 SA		1 DEEP	15   1	   FT     CY   	С	C	S	с	G7409		E ]		
I-N	1EB3SL 	1  249664	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA	20 FT LENGTH		5 5		С	Ì	S   	С	3376.1		0.1		
I-N		• •	SAW CUT CONCRETE			5	FT	C			С					
I-N	1	1 1	CONCRETE SIDEWALK CONCRETE - 6 SAC			1   1	CY	С	CI				SR3CS 	1.0		
I-N		i i	TC-LANE CLOSURE UR	BAN STREET		1	  EA	C		si				1.0		
I-N		1 1	LANE CLOSURE URBAN			I	•	С						1.0		

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P001EM2-L00 9/05/17 11	:36					DPSS -		GAS AN			IL						P	AGE NO	48
ROJECT: 25	3568	JOB:01		TYPE:	UD	NAME :	ROLANDO	) BLK 7G	2 -T&C J	ов 1					STATUS: AC				
ESIGN: 01	NAME	ROLANI		32 T&C JC	)B 1				US: ACT										
OCATION: 0	45 SHE	ET: 01	DISTRICI	CM CM	DESIG			BONNER						PHO	NE: 999-99	99 :	LOCATIO	N 045 OF	587
WRK F-CIMU ID	  AU ID	 [stock#	l I		NON/CO	ONSTRUC	TION NO	DTES	RQ	DÍU	MIR	SP   R	SP   TB	TITRE	STANDARD	TYPE	HOURS		
I-N	330926 	  162690	HAND H QUAZ	IOLE 3309	9.2 37	"X 26"	X 26"			1   E. 1   E.	AL ( Al	C     (	S C	1 C 1	13309.2 1	13SWF3	0.81		
I – N   	X09H26 	162690	INSTAL   QUAZ	LL EXCAVA LITE BOX	ATION/E 37"X26	REMOVE 6"26"				1   E. 1   E.	A[ ( A		S   C	1	3309.2 	35WF3 			
I-N	1-3SLB 	322048	1-3 IN   BEND	CONDUIT	DB 3	IN 90	D 36 IN			4   E 4   E	A  ( A	c i 1 (	15	i -	3373.2	i.	i I		
   I-N		i i	SLUF     REMOVE							i	- İ	Í	1	   [ C		i			
WORK FAC														N NOI					
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9/05/17 11:36																			
ROJECT: 253568	JOB:01	REV:0	TYPE:	UD	NAME :	ROLANDO	BLK 7G2	-T&C JC	B 1					TATUS:	ACT W	ORK O	RDER:	296070	0
SIGN: 01 NAME							STATUS												
DCATION: 046 SHE	ET: 01	DISTRICT:	CM	DESIG	NED BY	: GEORGE							PHON	Œ: 999-	9999	LOCA	ATION	046 OF	58
WRK    F-C MU ID  AU ID	[   [STOCK#]	D	ESCRIPT	NON/CO	ONSTRU	CTION NOT	TES	QTY   RQD	l I UM	RSP	₿SP	TRT	TRT	STANDAR PAGE	TYPE	HOU	JRS		
	1 [249664]	1-3 IN CONDU SLURR	EB CÓND IT DB 3	UIT SI	LURRY I O FT LI	ENCASED ENGTH		10   10	0   FT   0   FT   2   CY		 c   c	S     	C   	3376.1	3-WE   	'3  1   	L.4  		
I-N   1-3SLE	 3     322048   656400	1-3 IN BEND SLURR	DB 90 D CONDUIT Y MIX,	) 36 II DB 3 1 SACH	N R BEI IN 90 K SAND	ND SLURRY D 36 IN	Y ENC R	   	 2 EA  2 EA  1 CY	C     	c   c	s     	с     	3373.2	  3-WE   	3 0	).1  		
WORK FAC FUNC CODE DESC	2	EXIST	TAG	NEW 3	TAG				c	CONST	RUCI	ION	NOTE	s					
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	: 253568	JOB:01	REV:0 TYPE: UI	NAME: ROLANDO BLK 70	2 -T&C JOE	1				S	TATUS: AC	T WOR		1: 2960700
SIGN:	01 NA	ME: ROLAN	DO BLK 7G2 T&C JOB 1		US: ACT							<u></u>		
				IGNED BY: GEORGE BONNER						-				1 047 ÓF 58
-CIMU	   ID  AU I	D STOCK#	DESCRIPTION	/CONSTRUCTION NOTES	I RQD	UM	WRK RSP	MAT   RSP	TIM  TRT	ACC	STANDARD PAGE	CREW    TYPE	EST { HOURS	
	3421	-1(  514240	PAD 3421 1-PHASE PAD 1-PHASE XFM	TRANSFORMER IR / 3-PHASE F.C. 3421	, 1 1 1	EA   EA	ט די	י. ו ד ו	s	CI		3-AF4  	0.4j 1_	
 -N		 1P		(1-PHASE TRANSFORMER)	j 1	EA	U		S	C 1		[ [35WF3]	0.41	
-N   	l	-W   812816	WIRE BARE COPPE	7/0 RODS (TRANS/CAP) R #2-7 STR SOFT DRAWN	1 1	LB	י <del>ט</del> ו	បៃ	S		4510.1	1 1	0.2	
-N  	1-25 	LB   321812	   1-2 IN DB 90 D 36   BEND CONDUIT DE   SLURRY MIX, 1 S	S IN R BEND SLURRY ENC 3 2 IN 90 D 36 IN R RACK SAND	1 1 1 1	EA	ΰ	ן ן 1 סו 1 סו	S	C	3373.2	  3-WF3    	0.1i I_	
-N[	  1-35	 LB    322048	   1-3 IN DB 90 D 36   BEND CONDUIT DE	5 IN R BEND SLURRY ENC 3 3 IN 90 D 36 IN R SACK SAND	   5	IEA EA	υ	i i	S	с	3373.2	i i	0.31	
UNC I 	CODE DE PD PA			W TAG	SEE SHT {		CONS:	FRUCI		NOTE	.s			
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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO	BLK 7G2 -Ta	C JOB	1				5	STATUS: AC	TT WO	RK ORDE	R: 2960	700
ESIGN: 01	NAME	: ROLAND	0 BLK 7G2 T&C JOB 1		STATUS: 1	ACT										
OCATION: (	48 SHE	ET: 01	DISTRICT: CM DESIG	SNED BY: GEORGE	BONNER							NE: 999-99	99	LOCATIO	N 048 O	F 58
WRK  F-C MU ID	  AU ID	  STOCK#	DESCRIPTION/C	CONSTRUCTION NOT	'ES	QTY RQD	   UM	WRK   RSP	(MAT)	TIM  TRT[	ACC TRT	STANDARD	CREW   TYPE	EST     HOURS [		
E-N	3'HD—A 		HAND DIG TRENCH 3	FT DEEP AVE		15	FT	) C	E 1	S	С	G7453	3-WF3	5.91		
∑-N			BACKFILL TRENCH 3 F	FOOT DEEP		15				SI	С	l	3-WF3  C-BC	0.21		
I-N [	i T	611492	SHADE TRENCH WITH S SAND, FILL RECYC				   FT   TN 				С	G7405	  3-WF3  C-BH  C-DT			
I-N	Ì	  249664	1-3 IN DE CONDUIT S CONDUIT DE 3 IN 2				   FT   FT	   C 					1	0.2		
I-N[	R-XCES 	X30007	EXCESS TRENCH SPOID DUMPING FEE	L (12 IN DEEP)			   ET   CY	   C 		SI	С	l	1 1C-DT 1	0.41		
I-N	I PLANTU		REMOVE/REPLACE LANI	DSCAPING		15	   ET	C		S [	С		13-WF3			
I-N	l I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	STEEL PLATE	:	4	   FT   EA   TN	i ·			-	G7453	  C-BC  C-BH  3SWF4	0.21 0.21 0.4		
I-N  	REM-3'	X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH			  FT  CY	   C 		SI	с	1	   C-DT 	0.4  1		
I-N	SLR-18	656400	BACKFILL SLURRY 18 SLÚRRÝ MIX, 1 SAG		I DEEP		   FT   CY	C 	1 1 C 1	S I		G7409	  3-wf3 	i i I i		
I – N [	1EB3SL   	249664   656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAG	20 FT LENGTH		5 1	   FT   FT   CY	 	1 1 C 1 1 C 1	I		3376.1	  3-WF3   	i 0.11		
[ [-N]	SAW-CC		SAW CUT CONCRETE				   FT	C		SI	С		]  SR-3C			
[N	  CC-WLK 	2482051	CONCRETE SIDEWALK S CONCRETE - 6 SACE	SECTION (5X5) FI K (3/4" ROCK MIX	NISHED	1	CY			S [	С		1	1.0]		
I-N			TC-LANE CLOSURE URB	BAN STREET			   EA	l ] C		5	с			1.01		
I-N	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPA	IR)	1	   EA	   C		5	с		I ITC4	[   1.0[		

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ROJECT: 2	53568 3	JOB:01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CC REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				:	STATUS: AC	T WOR	K ORDE	R: 2960700
			D BLK 7G2 T&C JOB 1 STATUS:										
CATION:	049 SHEI	ET: 01 )	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 3	LOCATIO	N 049 OF 587
ואסנ	1	1 1		I OTY I	i	WRK RSP	MAT     RSP	TIM TRT	ACC	STANDARD   PAGE	CREW   TYPE	EST   HOURS	
I-N!	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	10	FT	С		S	C	G7453	3-WF3	4.1	
I	  BKF-3' 	i i	BACKFILL TRENCH 3 FOOT DEEP	10	FT     [	Ċ		s	C	F 1	3-WF3  C-BC	0.2	
[ -N ] ]	l I		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	10    1	FT     TN [           ]	С		S	C   	G7405   	1  3-WF3  C-BH  C-DT 		
[-N  	Ì	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10 10	FT	с		S	іс 	3373.1		0.2] 	<del></del>
[ <b>-</b> N]	R-XCES	x30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	10 1	FT   CY	С		S	i c I	I I	C-DT 	0.31	
[-N]	icc-2ct		CONCRETE 2 SAW CUT AND BREAK MECH		• •	С		S	i c	t	  SR3AS 	0.41	
I-N		i 1	FINISH CONCRETE SURFACE MAN 12 IN	1 10	FT	с		s	;   C 	1	SR3CS	i i	
 I-N  	i t	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	6	EA   TN			S	i c 1 1	)G7453   	C-BC  C-BH  3SWF4	0.3  0.3  0.6	<u></u>
1 – N   	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	8	CY	с	С	S	i	 	  C-DT 		
E-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	24	CY	C		S	i	G7409		i i	
[-N]   	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	8   8	   FT     FT     CY	с	i I	S	i c I I	3376.1   	3-WF3   	( 0.1)   (	
I-N	  SAW-CC	L L É Í	SAW CUT CONCRETE	• -		c			   C	i	  SR <b>-</b> 3C	1.3	
 [N   	i i	  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1	EA CY	С	l l C	់ន	i c	1	I SR3CS	1.0	
I-N 1	LN-S/U		TC-LANE CLOSURE URBAN STREET					   S	c		TC3	1.0	
1 1-N	  LN/S/S	I	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	c	1	5	c	. 	TC4	1.01	

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EXIST TAG NEW TAG

CONSTRUCTION NOTES

ROJECT: 25	3568	JOB:01	D REV:0 TYPE: UD N	AME: ROLANDO BLK 7G2 -	F&C JOB	1				5	STATUS: AC	T WO	RK ORDER	R: 2960	700
ESIGN: 01			) BLK 7G2 T&C JOB 1	STATUS:											
OCATION: C	50 SHE	ET: 01 1	DISTRICT: CM DESIGNE	D BY: GEORGE BONNER						PHON	IE: 999-99	99	LOCATIO	N 050 0	F 58
WRKI F-C MU ID			DESCRIPTION/CON	STRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT		TYPE	HOURS		
I-N		[ [	ASPHALT 2 SAW CUT AN		25	FT	С		S	CI		SR3AS	0.71		
	BH03XH   	[   [X20201] [114215]	MACH DIG TRENCH 3 FT TRAFFIC BEARING STE ASPHALT, COLD MIX		23	FT EA TN	С				G7453	3SWF4	1 1 2    1.2    2.4		
	i i	i i	TRENCH SPOIL 3 FT DE DUMPING FEE	PTH	30	FT   CY	c	c		C I		  C-DT	   2.6[ 		
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN SLURRY MIX, 1 SACK			IFT ICY	-	C		с   	G7409	  3-WF3 	0.2		
I-N	i I	[X20022]	ASPHALT BASE & TOP : GRIND ASPHALT (PER ASPHALT (BASE) ASPHALT (TOP)		25   3	FT SF TN TN		C     C     C	S     	с     			1.7  1.7  1.7		
IN		249664	1-3 IN EB CONDUIT SLU CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACK	FT LENGTH	60	   FT     FT     CY		   C     C		с     	3376.1	  3-WF3   	1 0.8[ 1 0.8[ 1   1		
I-N	I	322046	1-3 IN DB 90 D 36 IN 3 BEND CONDUIT DB 3 I SLURRY MIX, 1 SACK	N 90 D 36 IN R	2	EA     EA     CY		   c     c	S	с     	3373.2	  3-WF3   	Q.I[       		
I-N	LN-S/U		TC-LANE CLOSURE URBAN	STREET	1	  EA	с		s	с		ITC3	1.01		
I-N	  LN/S/S	!   [	LANE CLOSURE URBAN ST	(STREET REPAIR)	1	EA	С	 	S	C		(   TÇ4	1.0		

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CONSTRUCTION NOTES

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ROJECT:	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G	2 -T&C JOB 1					STATUS: AC	T WOR		
ESIGN:				US: ACT								
CATION	051 SHE	ST: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER					PHO	NE: 999-99	99 L	OCATIÓI	N 051 OF 58
IRK  -C MU		stock#		QTY     RQD   U	MIRSE	RSP	TRT	ITRT		[TYPE ]	HOURS	
I-N	AS-2CT	• •	ASPHALT 2 SAW CUT AND BREAK MECH		тС	•	•	, C	1	SR3AS	0.6	
 [-N] 	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	30 F   23 E   1 T	N		l i		G7453	, ,	1.2  1.2	
:-м 	REM-3 '		TRENCH SPOIL 3 FT DEPTH DUMPING FEE		T  C ¥1	l c	1 ] S ]	   C 	Ì	C-DT     1	2.6[	
-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	901F	ti c	c		C ]	G7409 		l	
	AS-M18     		ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	30]F   30 S   3 T   1 T	N	- c - c	   	C     	[ [ ]	C-BC    SR-3A  [ ]	2.01 2.01	
-N	IEB3SL	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	60 F   60 F   2 C	T]		S		3376.1	3-WF3    	0.8	
-N   	l		1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 E   2 E   1 C			1	C   	3373.2	3-WF3  1	0.1	
(-N	  LN-S/U		TC-LANE CLOSURE URBAN STREET		A C	1	I J S	i c	L 	TC3	1.0	
-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	E	A C		   S	l l C	1	TC4	1.01	
[ -N	   plantu		REMOVE/REPLACE LANDSCAPING	20]F	T C		   S	I C	l [	3-WF3	2.01	

ROJECT: 25	3568	JOB:01	SAN DIEGO GAS A DPSS - DESIGN REVIE REV:0 TYPE: UD NAME: ROLANDO BLK 7	G2 -T&C JOB	1				5	STATUS: A	CT WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLAND		TUS: ACT									
OCATION: 0	52 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE										N 052 OF 58
WITH THE L	1	, ,	DESCRIPTION/CONSTRUCTION NOTES	0.001							1.000		
I-N	3'HD-A	 	HAND DIG TRENCH 3 FT DEEP AVE	15	FT   	С		[ 5	C	G7453	3-WF3	5.9	
I-N	BKF-3 ' 	1   1	BACKFILL TRENCH 3 FOOT DEEP	15 	FT   	С		S 	C 	 	3-WF3  C-BC	0.21	
I-N	i.	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	i 15 j 1	TN	С	i I C	[ 5 [	C   	G7405	[C-BH [C-DT		
[-N	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	15	FT	С	i I C		i c	3373.1	  3-wf3 	0.21	
L-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15   2	FT   CY	С	i I C		i c I	 	  C-DT 	0.41	
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH		   FT	c		្រ		l	   SR3AS		
I-N	  ÇF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN		  FT		ĺ	   5   	i c		l I SR3CS	0.1	
I-N    	BH03XH   	  X20201}  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5 4 1	FT   EA   TN	С	C	5   	C   	G7453 	C-BC  C-BH  3SWF4	0.21	
I-N[	REM-3 '	X30007[	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 5	FT   CY	С	l C	!   S 	C C	[	IC-DT	0.4	
I-N	SLR-18	1656400[	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT     CY	¢	i I C	[	i c	G7409	  3-WF3 		
í — N	1EB3SL	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5   5   1	FT  CY	С	   C   C		i c	3376.1	]	0.10	
	LN-S/U		TC-LANE CLOSURE URBAN STREET					S			[TC3		
	  LN/S/S	1   1	LANE CLOSURE URBAN ST (STREET REPAIR)	1	IEA	с		   S	C	 	I TC4	1.0	
VORK FAC FUNC CODE			EXIST TAG NEW TAG		C	CONST	FRUC	TION	NOT	ES			
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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP	$Y \rightarrow DETAIL$
PROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T	
DESIGN: 01 NAME: ROLAN		ACT
LOCATION: 053 SHEET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-9999 LOCATION 053 OF 587
WRK       F-CIMU ID  AU ID  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS
I-N   330926         162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1   EA  C     S ] C  3309.2 [3SWF3] 0.8  1   EA    C
1 1 1 1162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1 1 EAL C   S   C  3309.2  3SWF3  0.8
	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC 1 BEND CONDUIT DB 3 IN 90 D 36 IN R	4 EA C I S C 3373.2 3-WF3 0.2
	SLURRY MIX, 1 SACK SAND     REMOVE/REPLACE LANDSCAPING	1   CY     C                   1   CY     C                 1   FT   C     S   C    3-WF3   0.1
WORK FAC FUNC CODE DESC	EXIST TAG NEW TAG	CONSTRUCTION NOTES
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			REV:0 TYPE: UD NAME: ROLANDO							STATUS: AC				00 
ESIGN: 01			0 BLK 7G2 T&C JOB 1	STATUS: ACT										
OCATION:	054 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE	BONNER					PHO	NE: 999-99	99 1	LOCATIC	N 054 OF	58
WRK  F-C MU ID	AU ID	ISTOCK#	DESCRIPTION/CONSTRUCTION NO	TES ROD	[ UM	RSP	SP	TRT	TRT	STANDARD	TYPE	HOURS		
I-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	18	[FT	С	I	\$	I C	G7453	3-WF3	7.0		
I-N	1		BACKFILL TRENCH 3 FOOT DEEP	18	[FT	C		S	i c	1 1 1 1	3-WF3	0.3		
IN    	1	i i	SHADE TRENCH WITH SAND - 12 INCH SAND, FILL RECYCLED MATLS PREF	WIDTH   18 FERED   1	[FT	C 	   C 	S   	1 C   	G7405   	3-WF3  C-BH  C-DT	0.1  0.1  0.1		
I-N	1	  249664  	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18	FT	l C	   C	\$ 	C 	3373.1	1	0.3		
I-N  	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18   2	  FT  CY	i c		S   S		l I	  C-DT   	0.5		
I-N	PLANTU	i i	REMOVE/REPLACE LANDSCAPING			с				1	3-WF3	1.8		
I-N	Ì	[  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHO TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA   TN	i i	C   C		1 C   1	G7453   	C-BH 3SWF4	0.2  0.2  0.4		
I-N	REM-3'	[X30007]	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	ICY	C	l c	S -	C 	 	  C-DT 	0.4[		
I-N	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 I SLURRY MIX, 1 SACK SAND	N DEEP   15   1	(CY	i c I	i I C	S 	i c I	G7409 	  3-WF3  			
I <b>-</b> N	11EB3SL	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURPY MIX 1 SACK SAND	5   5   1	FT   FT   CY	C   	   C   C	S   	C   	3376.1   	3-WF3    	0.1  		
 I-N]	llN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	С	ĺ		i c	1		1.0		
1 I – N I	LN/S/S		LANE CLOSURE URBAN ST (STREET REP					 ] S		1	   TC4			
WORK FA			EXIST TAG NEW TAG			CONS	FRUC	rion	NOT	Es				
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DP001EM2-LC 09/05/17 11		01			SA DPSS -	N DIEGO DESIGN	GAS AND REVIEW (	ELE( COPY	ETRIÇ - DEI	AIL	ı				·		PA	AGE NO	58
PROJECT: 25	3568	JOB:01	REV:0	TYPE: UD	NAME :	ROLANDO	BLK 7G2	-T&0	JOB	1				5	STATUS: AC	T WOI	RK ØRDEI	R: 2960	700
DESIGN: 01							STATU												
LOCATION: (	55 SHE	ET: 01	DISTRICT:	CM DESI	GNED BY:	GEORGE	BONNER							PHO	NE: 999-99	99 1	LOCATIO	1 055 0	F 587
WRK   F-C MU ID	  AU ID	 [STOCK#{	ום	ESCRIPTION/	CONSTRUC	TION NOT	res	Ì	RQD	UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS		
I-N	AS-2CT		ASPHALT	2 SAW CUT	AND BRE							i	Ś	С	f	SR3AS	2.9		
I-N    I-N  	1	X20201	TRAFF	G TRENCH 3 IC BEARING LT, COLD MJ	STEEL PI			1	94 2	EA   TN	I	с	S	С	G7453   	C-BC  C-BH  3SWF4	5.0  5.0  10.0		
  I-N  			TRENCH : DUMPII	SPOIL 3 F1 NG FEE	DEPTH				125 32	FT   CY	-	с	5	-		  C-DT   	11.0		
I I-N			SLURR;	L SLURRY 18 Y MIX, 1 SA		X 12 II	N DEEP			FT   CY	C	с	I S		G7409 	3-ŴE3			<u> </u>
	1	  X20022   114201	ASPHALT			18 IŅ		Í	110 110 10 3	FT     SF     TN	С	i c i c	1	-	[	C−BC	7.4		
I-N  	l I	249664 656400	CONDU	EB CONDUIT IT DB 3 IN Y MIX, 1 SA	20 FT LE				125 125 3			c	S	с	13376.1 1	3-WF3			
	1-3SLB   	322048   656400	BEND (	DB 90 D 36 CONDUIT DB Y MIX, 1 SZ	3 IN 90				2	EA     EA     EA     CY	-	C C	[	с	3373.2 	3-WF3   	0.1		
I-N	  LN-S/U		TC-LANE	CLOSURE UN	RBAN STRE	ET			1	i ea i	с	1 1	) ] S	с	1	TC3	1.0		
  I-N	  LN/S/S			osure urbai				1 1	1	EA	С		   \$	c	1	TC4	1.01		
  1-N	   plantu		REMOVE/	REPLACE LAN	NDSCAPING	3		l	10	  FT	С	 	   S	c c	i T	  3-WF3	   1.0		
WORK FAC FUNC CODI	-		EXIST	TAG NET	V TAG					 C	CONS	FRUC	TION	NOT	ES				

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Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: :	253568 JOB		UD NAME: ROLANDO BLK						5	STATUS: A	.CT WOI	RK ORDE	R: 2960700
DESIGN: 0		OLANDO BLK 7G2 T&C C		IATUS: ACT									
		01 DISTRICT: CM	DESIGNED BY: GEORGE BONN										N 056 OF 5
F-CIMU I		OCK#  DESCRIP	TION/CONSTRUCTION NOTES		UM	RSP	F.SP	TRT	TRT	PAGE	TYPE	HOURS	
I-N			ICH 3 FT DEEP AVE		FT	С	i i	SI	С	G7453		7_0	
I-N	BKE-3'[	BACKFILL TREN	ICH 3 FOOT DEEP	18[	FT	С		SI	С		3-WF3  C-BC	0.3	
I-N	61   [	1492 SAND, FILL	WITH SAND - 12 INCH WIDTI RECYCLED MATLS PREFFERED	H   181 D   11   1	TN	С	C   	\$   	С	G7405	C-BH   C-DT	0.1) 0.1) 0.1)	
I-N	24		IDUIT SEC 3 IN 20 FT LENGTH	181	FT [ FT ]		I I	Í	С	3373.1	3-WF3 		
I-N	  R-XCES     X3		SPOIL (12 IN DEEP)	18		С		S			C-DT	0.5	
I-N	PLANTU	REMOVE/REPLAC	E LANDSCAPING	13	FT	Ç		S	С			1.3[	
ī−N			W CUT AND BREAK MECH	[ 5]	ΞT	С		S	С		SR3AS	0,21	
 I-N[	CF-H12	FINISH CONCRE	TE SURFACE MAN 12 IN								I SR3CS		
				SEE SHT 7									
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Block 7G2 UUP Attachment E – Technical Specifications DP001EM2-LOCAL40-001

01			REV:0 TYPE: UD NAME: ROLANDO BLK 7G O BLK 7G2 T&C JOB 1 STAT										R: 2960700
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHỌI	NE: 999-99	) 99 I	OCATIO	N 057 OF 58
NRK  F-C MU IE	  AU ID	   stock#	DESCRIPTION/CONSTRUCTION NOTES	QTY     RQD	UM	WRK RSP	MAT RSP	TIM   TRT	ACC TRT	STANDARD PAGE	CREW   TYPE	EST ( HOURS	
<b>I – N</b> 1	13'HD-A	1 1	HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C	[	[ \$	C	G7453	3-WF3	5.9	
I	   BKF-3 ' 		BACKFILL TRENCH 3 FOOT DEEP	15	[FT]	С		IS I	   C 	     	3-WF3  C-BC	0.2 0.2	
E-N      .	  SHD-12   	      611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT TN	С	   C 	S   	. C   	G7405   	3-WF3  C-BH  C-DT		
[ _N[ [	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 15	FT		i I C	S 	i c I	1	  3-W73   	0.2	
	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT	Ç	İ	S	i c	[     	C-DT	0.4	
[-N]	PLANTU		REMOVE/REPLACE LANDSCAPING	1 10	FT	с	l	្ទ	1 C	1	3-WF3	1.0	
	  CC-2CT	İ I	CONCRETE 2 SAW CUT AND BREAK MECH	1 5	FT	с			l C	1	ISR3AS	0.2	
1 [-N]	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	5	FT	i c	E	S	C	1 1 1	  SR3CS	i i	
   N    	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1	EA TN	 	1 C 1 C	S   	ic I	Ģ7453	С-ВС  С-ВН  ЗSWF4	0.2 0.2 0.3	
E-N  	i i	  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT   CY	i c	     C	1 1 S 1	l İ.C İ	       .	  C-DT 	0.4	
[ [-]]	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	12 1	CY	c	i c	i T		G7409		[	
[-N]	I	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	4		i C		i s	ic	3376.1	3-WF3	0.1	
I-NI	LN-S/U	1 1	TC-LANE CLOSURE URBAN STREET	1 1	EA	c	   	S	) ] C	1	TC3	1.0	
[ [-N]	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	  EA	¢	[	   \$	c	1	TC4	1.0	

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							ANDO BLK 7G							STATUS: A			
				2 T&C JOB			STAT	JS: ACT									
							ORGE BONNER						PHON	JE: 999-9	999 :	LOCATIO	N 058 OF
RKI -CIMU ID	AU ID	STOCK#{	Ī				N NOTES	RQD	U U M	RSP	RSP	TRT	TRT		TYPE	HOURS	
-N [	330926 	  162690	hand ho Quazi	)LE 3309.2 TE BOX 37	37"X 2	6" X 20	6 <sup>11</sup>	E S	1   EA 1   EA	i ¢ i	с	5	С	3309,2	I 3SWE3	0.8  	
-N [	[X09H26 [	162690	INSTALI QUAZI	L EXCAVATI TE BOX 37	ON/REMC	VE 5"		1	1   EA 1   EA		c	S   	C			0.8  	
-N	1-3SLB	322048	1-3 IN BEND	DB 90 D 3 CONDUIT D	B 3 IN	90 D 30		1	4   EA 4   EA	a :	C	S	Ċ	3373.2	1	0.2	
	i 1 1 plantu			Y MIX, 1 REPLACE L				i i	Ì	     C		1	ĺ		Ì		
ORK FAC			EXISI	TTAG N	iew tag					CONST	FRUC:	TION	NOTE	S			
								SEE SHT	7								
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	253568		REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: A	CT WO	RK ORDĖ	R: 2960700
ESIGN: (	)1 NAME	: ROLAND	O BLK 7G2 T&C JOB 1	STATUS										
		ET: 01	DISTRICT: CM DESIG	SNED BY: GEORGE BONNER										N 059 OF 58
F-CIMU J	ID AU ID	ISTOCK#1	DESCRIPTION/C	CONSTRUCTION NOTES	1 RQD	UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
I-N	AS-2CT	i i	ASPHALT 2 SAW CUT		45	FT	iα	1		c	1		1.2	
I-N  	l I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	STEEL PLATE	65   49   1	FT   EA   TN	E C   	1 1 C 1 C	I S	C I	G7453   	C-BC	2.61 2.61 5.21	
I-N  	REM-3 '		TRENCH SPOIL 3 FT DUMPING FEE	DEPTH	65   17			i i		~			5.7	
I-N¦	SLR-18 	i i	BACKFILL SLURRY 18 SLURRY MIX, 1 SAG		i 195 i 11	] FT	C I	l c	S	l C	G7409		0.4	
I-N    	AS-M18     	  X20022   114201   114202	ASPHALT BASE & TO GRIND ASPHALT (PH ASPHALT (BASE) ASPHALT (TOP)	ER SF)	45   45   5   1	FT   SF   TN   TN			S   		5 1 1	C-BC SR-3A	3.0	
I-N     	1EB3SL   	12496641	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAG	SLURRY ENCASED 20 FT LENGTH CK SAND	65   65   2	FT   FT   CY	1 C 1 1		I S I	C   	3376.1   	3-WF3   	0.9      	
I-N	•		1-3 IN DB 90 D 36 BEND CONDUIT DB 3 SLURRY MIX, 1 SAG	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R CK SAND					S     		3373.2	3-WF3		
I-N	LN-S/U		TC-LANE CLOSURE UR	BAN STREET		EA	i c	i –		i c	i		1.0	
I-NI	LN/S/S		LANE CLOSURE URBAN	ST (STREET REPAIR)	1	IEA	c		S 	i C		TC4	1.01	
[ I-N	) ] plantu	 F	REMOVE/REPLACE LANI	DSCAPING	i 10	1 ] FT	i c	1	S	l C	ι Γ -		• •	
WORK	FAC DE DESC		EXIST TAG NEW	TAG			CONS	TRUC'	FION	NOT;	ES			
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Block 7G2 UUP Attachment E – Technical Specifications 217 | Page

ROJECT:	253568 JOB	:01	REV:0 TYPE: UD	NAME: ROLANDO	BLK 7G2 -T&	C JOB	1				ء 	STATUS: AC	T WOE		R: 2960	700
ESIGN: (	)1 NAME: R	OLANDC	) BLK 7G2 T&C JOB 1		STATUS: A	ACT										
OCATION:	060 SHEET:	01 E	DISTRICT: CM DESI	GNED BY: GEORGE	BONNER						PHỌI	TE: 999-99	99 1	LOCATIO	N 060 O	F 58
WRK  F-C MU I	ID AU ID ST	OCK#	DESCRIPTION/	CONSTRUCTION NOT	TES	QTY RQD	l I UM	WRK RSP	MAT     RSP	TIM  TRT	ACC TRT	STANDARD PAGE	CREW   TYPE	EST   HOURS		
I−N∣	3'HD-A	ļ	HAND DIG TRENCH 3	FT DEEP AVE		17	] FT	i c		S	с	G7453	3-WF3	6.6		
I-N	BKF-3'		BACKFILL TRENCH 3	FOOT DEEP		17	] FT	(C		S   	С		3-WF3  C-BC	0.31		
I-N			SHADE TRENCH WITH SAND, FILL RECY				FT   TN 		C     C	S	С	G7405	3-WF3  C-BH  C-DT	0.1( 0.1) 0.1		
I-N	24		1-3 IN DE CONDUIT CONDUIT DE 3 IN				   FT   FT			S	С	3373.1				
∑-N	R-XCES    X3	i	EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)		2	FT   CY   CY			S	с		C-DT	0.41		
I-N [	PLANTU		REMOVE/REPLACE LAN	DSCAPING					. i	s	С		3-WF3	1.71		
I-N		ļ	ASPHALT 2 SAW CUT	AND BREAK MECH	ł	60	  FT		• •	5	С		SR3AS			
I-Ni 1 1	)  X2    11	0201  4215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE	5	70 1	EA   TN	i		S		G7453	C-BC  C-BH  3\$WF4	3.7  3.7  7.4		
I-N	REM-3'    X3	0007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		93 24	CY	C		S	С		C-DT	8.2  		
I-NI	SLR-18  [  65		BACKFILL SLURRY 18 SLURRY MIX, 1 SA		N DEEP	279 16	   FT   CY 	i c 1		Í	С	G7409	3-WF3	0.61		
I-N	AS-M18    X2    11	  0022   4201	ASPHALT BASE & TO GRIND ASPHALT (P ASPHALT (BASE) ASPHALT (TOP)			60 60 6		C   		S	с		C-BC  SR-3A   	4.0  4.0  		
I-N	24	9664   6400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA	20 FT LENGTH		103 103 2		Ì	   C     C		_	3376.1	  3-WF3 	1.4  		
I-NI	32    65	20481 64001	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SA	3 IN 90 D 36 IN	R	2 1	  EA  EA  CY	1		S		3373.2	Í.			
[ I-N[	[LN-S/U]		TC-LANE CLOSURE UR	BAN STREET		1		С	1 1	5	С		TC3	1.0		
I-N	  LN/S/S	1	LANE CLOSURE URBAÑ	ST (STREET REPA	AIR)		  EA	   C		S	с		  TC4	1.0		

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0001EM2-LOCA					GAS AND ELECTRIC REVIEW COPY - DETA	IL		PAG	e no	64
ROJECT: 2535	68 JOB:01	REV:0 T	YPE: UD	NAME: ROLANDO	BLK 7G2 -T&C JOB 1			WORK ORDER:		
ESIGN: 01	NAME: ROLAN	NDO BLK 7G2 T&	С ЈОВ 1		STATUS: ACT					
				NED BY: GEORGE		PHO	VE: 999-9999	LOCATION	060 OF	587
WORK FAC										
FUNC CODE	DEŚC	EXIST TA	G NEW	TAG		CONSTRUCTION NOT	IS			
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ROJECT: 2	53568	JOB:01	REV:0	TYPE:	UD NAM	E: ROLANDO	BLK 7G2 -	T&C JOB	1				ŝ	STATUS: A	CT WO	RK ORDI	SR: 2960700
SIGN: 01	NAME	ROLANE	O BLK 7G	2 T&C JOB	1		STATUS:	ACT									
CATION:	061 SHE	ET: 01	DISTRICT		ESIGNED	BY: GEORGE											DN 061 OF 5
RK] -C MU ID	]  AU ID	   STOCK#		DESCRIPTI	ON/CONST	RUCTION NOT	ES	QTY RQD	i UM	WRK   RSP	MAT   RSP	TIM TRT	ACC TRT	STANDARD PAGE	CREW  TYPE	EST HOURS	
+ [N   1	1330926	i i	HAND H	OLE 3309. ITE BOX 3	2 37"X 2	6" X 26" "		1	EA	C	1	S	с	3309.2	3SWF3	0.8	
[-N]	1 X09H26	 	INSTAL	L EXCAVAT ITE BOX 3	ION/REMO	VE		   1	   EA	   C		S	l C		  3SWF3	[ [ 0.8	
] [-N] ]	1	  322048	1-3 IN BEND	CONDUIT	DB 3 IN	BEND SLURRY 90 D 36 IN 1 ND	R	1 3	   EA   EA	c     c	     C	S	с	3373.2	  3-WF3	0.2	   
I-N	1					ING				   C				1	  3-WF3		
iork fa				<b>·</b> -													
TUNC COD			EXIS	T TAG	NÉW TAG				¢	CONST	RUCI	TION	NOTI	IS			
UNC COD			EXIS	T TAG	NÉW TAG		SE	E SHT 7		CONSI	RUCI	TION	NOTI	IS			
FUNC COD			EXIS	T TAG	NEW TAG		SE1			CONST	RUCI		NOTI	IS			
FUNC COD			£XI5	T TAG	NEW TAG		SE1			CONST	:RUC1		NOTI	IS 			
FUNC COD			9XIS	T TAG	NEW TAG		SE			CONST			NOTI	IS			
FUNC COD			£XIS	T TAG	NEW TAG		SE.						NOTI	2S			
FUNC COD			2XIS	T TAG	NEW TAG		SE						NOTI				
			EXIS	T TAG	NEW TAG		SE					иол 	NOTI	25			
			EXIS	T TAG	NEW TAG		SE						NOTI				
			EXIS	T TAG	NEW TAG		SE			CONST			NOTI				
			2XIS	T TAG	NEW TAG		SE						NOTH	2S			
			EXIS	T TAG	NEW TAG		SE						NOTH	2S			
			EXIS	T TAG	NEW TAG		SE						NOTH				
			EXIS	T TAG	NEW TAG		SE						NOTI				
FUNC COD			EXIS	T TAG	NEW TAG		SE						NOTI	25			
			EXIS	T TAG	NEW TAG		SE										
			EXIS	T TAG	NEW TAG			E SHT 7					NOTI				
			EXIS	T TAG	NEW TAG								NOTH				
			EXIS	T TAG	NEW TAG			E SHT 7					NOTH	25			
			EXIS	T TAG	NEW TAG			E SHT 7					NOTH				
			EXIS	T TAG	NEW TAG			E SHT 7									

ROJECT: 2	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 762	2 -T&C JOB	1				5	STATUS: AC			R: 2960700
	NAME	ROLAND		JS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 062 OF 58
F-C MU ID		STOCK#	DESCRIPTION/CONSTRUCTION NOTES			RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
E-N		i i	HAND DIG TRENCH 3 FT DEEP AVE			i c i	I	S	i C	G7453		8.1	
 [→Ŋ  [	BKF-3 '	i i	BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S 	i C I	[	3-WF3   C-BC	0.3	• •
I – N I I	 	611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT   TN 		i   c 	S   	C   	G7405	C-DT	) 0.1    0.1    0.1	
I-N  	1	  249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	21	FT		i i c	]	i c I	3373.1	]  3-WF3   		
I-N  	R-XCES	x30007i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	21   2	FT   CY	C   	   C	15	i c I	ĺ	C-DT 		
I-N	I PLANTU	1 1	REMOVE/REPLACE LANDSCAPING	5	FT	i c	1	; ] S ]	Ċ	Ì	3-WF3	0.51	
I N	ICC-2CT	1 1	CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C '	1	is	i c	Ì	SR3AS	0.6	
 I-N	ICF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN			c						0.1	
Nork FA Func Cod			EXIST TAG NEW TAG	SEE SHT 7		CONS	PRUC	TTON	NOT:	ES			
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BOJECT: 25	53568	TOB+01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	TAC .TOB	1				;	STATUS · AC	 ຫາ ພາດຄ		
ESIGN: 01	NAME		REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 - O BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	OCATIO	N 063 OF 58
F-C MU ID		STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	RS P	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	85	I FT	C	l	S	i c	ĺ	SR3AS	2.2	
I-N		  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 1	FT   EA   TN		   C   C	S   		G7453 	3SWE4	4.0  4.0  8.0	
I-N	REM-3.	X300071	DUMPING FEE	100   25	FT   CY	C	     C		c 	 	  C-DT 	8.8 ]	
I-N	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	300 300	FT	С	     C	   \$ 		G7409 	  3-WF3   	0.6[	
I-N	AS-M18     	  x20022   114201   114202!	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	1 2	SF   TN   TN	   		   	C     	   [	IC-BC ISR-3A I	5.71 5.71	
I-N[   	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED	100   100   2	FT   CY	i c I	C	5   	ic I I	(3376.1   	1	1.4    	
I-N	1-3SLB	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLUBRY MIX. 3 SACK SAND	2	EA   EA	C 	     C	S 	i c	3373.2	i I	0.1  	
I-N!	[LN-S/U		TC-LANE CLOSURE URBAN STREET	1 1	   EA	l C	1	] ] S	C   C	1	1TC3	1.0	
I-N(	LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	   EA	l C	1	]   S	I C	I	1   TC4 	1.0	
[ I-N[ [	I [3'HD−A I	i i	HAND DIG TRENCH 3 FT DEEP AVE	20	  FT	i c	1	) ] S	i c	G7453	3-WF3	7.7	
I-N	BKF-3 '		BACKFILL TRENCH 3 FOOT DEEP	1 20	ET   ET 	l c	1 1 1	] 5 ]		 	13-WF3 1C-BC	0.31	
I-N {			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1 20 1 2 1	FT   TN   TN	C 		1	1 C 1	G7405	3-WF3  C-BH  C-DT	0.1) 0.1) 0.1)	
I-N	1		1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	•	   FT   FT 		     C	S 		3373.1 	  3-WF3   	0.3	
I-N[	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 20 1 2		i c I			   C 	 	1 1C-DT 1	0.51 I	
I-NÍ	ICC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 20	FT	C		15		1	ISR3AS	0.81	
I-N	CF-H12		FINISH CONCRETE SURFACE MAN 12 IN		   FT	ι ι ς		1 1 5	   C		  SR3CS		

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09/05/17 11:				SAN DIEGO GAS - DESIGN REV	IEW COPY - DETA	IL	PAGE NO 68
ROJECT: 253	568 JOB:01	REV:0 TY	PE: UD NAME	: ROLANDO BLK	7G2 -T&C JOB 1	STATUS: AC	T WORK ORDER: 2960700
DESIGN: 01	NAME: ROLAI	NDO BLK 7G2 T&C	JOB 1	S	TATUS: ACT		
		DISTRICT: CM		Y: GEORGE BON		PHONE: 999-99	
WORK FAC FUNC CODE	DESC	EXIST TAG	NEW TAG			CONSTRUCTION NOTES	
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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G	2 -T&C	JOB	1					STATUS: AC	T WO	RK ORDE	R: 2960	1700
ESIGN: 01	NAME	ROLANI		US: AC											
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							PHON	VE: 999-99	99 :	LOCATIO	N 064 C	F 58
WRK  F-C MU ID	  AU ID	 [ STOCK#	I	1	QTY ROD	 ETTM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
I-N		l.	HAND DIG TRENCH 3 FT DEEP AVE		15	; FT	С		S	С	G7453	3-WF3	5.9		
	BKF-3'	l	BACKFILL TRENCH 3 FOOT DEEP		15			i i	SI	С		3-WF3  C-BC	0.2		
I-N	Ì		SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND, FILL RECYCLED MATLS PREFFERED			FT     TN   	С	 	S I	С	G7405	3-WF3  C-BH  C-DT	i i I i		
I-N	Ì	-	   1-3 IN DE CONDUIT SEC   CONDUIT DE 3 IN 20 FT LENGTH		15	!   [FT  [FT	Ť	   C	s i		3373.1	  3-WF3 	0.2		
I-N	R-XCES	l	   EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE		15 2		С			c			0.4		
I-N	PLANTU	[	REMOVE/REPLACE LANDSCAPING			· ·	С		si	с			1.5		
I-N		(  X20201  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE   TRAFFIC BEARING STEEL PLATE   ASPHALT, COLD MIX		8	FT     EA     TN	-	C     C	1		G7453	C-BC  C-BH  3SWF4	0.4 0.4 0.8		
I-N	REM-3'		TRENCH SPOIL 3 FT DEPTH   DUMPING FEE			] FT [ ] CY [ ] CY [	с		S	с	l	C-DT	0.9[   0.9[		
I-N	SLR-18	i  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND			1   FT     CY	С	C	- 1						
I-N	1EB3SL   	  249664  656400	<pre>1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND</pre>		10	FT     FT     CY		1   1 C   1 C	S I		3376.1	3-WE3	0.1		
I-N	LN-S/U	 	   TC-LANE CLOSURE URBAN STREET	1			с			с					
1-N!	l  LN/S/S		   Lane Closure urban st (street repair)	1			С	• •		с			   1.0		
WORK FAC FUNC CODE			EXIST TAG NEW TAG				ONS	IRUCI	ION	NOTI					

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OJECT: 25		IOB: 01	REV 0		UD N		OLANDO		-TaC JOE					s	TATUS: A	CT WOI	K ORDE	R: 2960700
SIGN: 01								STATUS										
CATION: 0															E. 999-9			ON 065 OF 5
IRK  F-C MU ID	AUID	STOCK#	D	ESCRIPTI	ION/CON	STRUCI	ION NOT	es	RQD	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	I TYPE	HOURS	l
-N	330926	  162690	HAND HO QUAZI	LE 3309.	2 37"X	26" X	26"			EA   EA	C   	c i	5	C 1	3309.2		0.8	
-N	X09H26  	162690	INSTALI QUAZI	TE BOX 3	37"X26":	26"				EA   EA	1 1	C I	Ş	C   .	3309.2	3SWF3	Ó.8	
:-N  	1	322048	1-3 IN BEND	CONDUIT	DR 2 T	N 90 L	) 36 IN	r ENC R		I EA	i c i	c i	ĺ	сi	3373.2	1	0.2	l
l.	1		SLURB REMOVE/						i -	1		1	1	i		    3-WF3	i i	 
IORK FAC																		
UNC CODE	DESC		EXIST	TAG	NEW TA	4					CONST	. RUG I	LION	MOTT	.0			
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	3568 .	JOB:01	SAN DIEGO GAS ANI DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 762	2 -Tac Joe	31					STATUS: AC			: 2960700
				JS: ACT									
OCATION: 0	66 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							IE: 999-99			1 066 OF 5
WRK! F-CIMU ID	AU ID			i QTY i RQD	  UM	WRK  RSP	MAT  RSP	TIM	ACC   TRT	STANDARD	CREW  TYPE	EST     HOURS	
I-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	1 67	•	i c		I S I	C		ISR3AS	1.7  	
I-N	BH03XH   	  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	76   57   1	; FT [EA [TN	C	C   C			G7453	C-BC  C-BH  3SWF4	i 3.0  i 3.0 _ i 6.1	
[-N	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	76 19	CY	i c	   C	S	С		  C-DT	6.7	
[-N	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	228 13	I SIFT SICY	i c	   C	s	с	G7409	3-WF3   	• •	
ī — N     	AS-M18	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	67   67   7	7   FT 7   SF 7   SF 7   TN 2   TN				с		C-BC	4.5[ 4.5]	
I-N	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 76	 5 F1 5 F1 2 CY	l C		1	с	3376.1	3-WF3   		
I-N   	1-3SLB	322048	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2	 2   EA 2   EA 2   CY						3-WF3   	0.1 _	
I-N]	ILN-S/U		TC-LANE CLOSURE URBAN STREET	1 1	EA	c		S	с		TC3	1.0	
I-N	ILN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	E EA	c		s	с		  TC4	· · · · · -	
I-N	] ]SAW-CC	i i	SAW CUT CONCRETE	10	  FT	c		S	с		SR-3C	i 1.5i_	
I-N	] ]CC-WLK ]	[ [248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	IEA ICY		   C	S 			  SR3CS   	1.0i_	
I-N	XING-U	[ [114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX		'	i c	   C	S 	I C		TC4	· · · · ·	
I-N	  XING/S	•	TRAFFIC COND. (XING LANE) STREET REPAIR		•	c		S	l c		   TC4	0.1	

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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND DPSS - DESIGN REVIEW C		72
PROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960	700
	BLK 7G2 T&C JOB 1 STATUS	JS: ACT	
LOCATION: 067 SHEET: 01 DI		PHONE: 999-9999 LOCATION 067 0	F 587
WRK         F-C MU ID  AU ID  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY    WRK NAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS	
	NO DESIGN UNITS FOR THIS LOCATION		
WORK FAC FUNC CODE DESC	EXIST TAG NEW TAG	CONSTRUCTION NOTES	
	S	SEE SHT 11	
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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELEC DPSS - DESIGN REVIEW COPY		PAGE NO 73
PROJECT: 253568 JOB:01 REV:0 TYPE: UN	) NAME: ROLANDO BLK 7G2 -T&C	JOB 1 STATUS: ACT	WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	L STATUS: AC	Т	
	SIGNED BY: GEORGE BONNER	PHONE: 999-9999	LOCATION 068 OF 587
1WRK[ [ ] ]		QTY    WRK MAT TIM ACC STANDARD  CRF RQD  UM RSP RSP TRT TRT  PAGE  TYP	
I I I I I I I I I I I I I I I I I I I	FOR THIS LOCATION		
WORK FAC FUNC CODE DESC EXIST TAG NE	EW TAG	CONSTRUCTION NOTES	
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SIGN: 01			D BLK 7G2 T&C JOB 1	STA	TUS: ACT			<b>-</b>							
CATION: 0	69 SHEI			GNED BY: GEORGE BONNE	R					PHO	VE: 999-99	99	LOCATIO	N 069 0	F 58
RKI -CIMU ID	AU ID	STOCK#	DESCRIPTION/	CONSTRUCTION NOTES	QTY   RQD	  UM	WRK  RSP	MAT   RSP	TIM  TRT [	ACC TRT	STANDARD PAGE	CREW	EST     HOURS		
-N	1EB4SL		1-4 IN EB CONDUIT : CONDUIT DB 100 4 SLURRY MIX, 1 SA	SLURRY ENCASED	19 19 1	5 FT 5 FT 2 CX	i c I	   C     C	SI	С	3376.1	3-WF3 [ [	1.3    i		
l	1-4SLB   	[ ] [322082] [656400]	1-4 IN DB 90 D 36 4 IN DB 100 90 D SLURRY MIX, 1 SA	IN R BEND SLURRY ENC 36 IN R BEND		1   EA 1   CY	I C	C     C     C	SI	С	3373.2	[3-WF3			
-N	SAW-CC	• •	SAW CUT CONCRETE		•	 0 FT	ic		SI			İSR-3C			
-NI	1	[ ]	CONCRETE SIDEWALK CONCRETE - 6 SAC	SECTION (5X5) FINISHE K (3/4" ROCK MIX)			i c	·     C	s	С		i srics	1 1.0  1 1.0  1		
	BH04XH   	[  X20201   114215	MACH DIG TRENCH 4 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE	1	6   EA 1   TN	.  		S	с	G7453	C-BC  C-BH  3SWF4	0.3 0.3 0.6		
N   	REM-4'	X300071	TRENCH SPOIL 4 FT DUMPING FEE	DEPTH	1	 6 FT 3 CY	i c I		S I			C-DT	1 0.7		
1	SLR-18 		BACKFILL SLURRY 18 SLURRY MIX, 1 SA	IN WIDE X 12 IN DEEP CK SAND	1 :		i c	       C	Í			3-WF3	•		
-NI	  LN-S/U 	1		BAN STREET	i :	1   EA	I C		S	С	1	•			<u>.                                    </u>
			LANE CLOSURE URBAN	ST (STREET RÉPAIR)			•	• •					1 1.0		
IORK FAC TUNC CODE			EXIST TAG NEW	 TAG			CONS	TRUCI	TION	NOTI	LS				
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ROJECT: 25	3568 3	JOB:01	REV:0	TYPE	: UD	NAME: RO	DLANDO BLK 7G2	-T&C JOB	8 1				S				R: 296070
SIGN: 01							STATU										
CATION: C	70 SHEI	ET: 01	DISTRICT	: CM	DESIGN	NED BY: 0	GEORGE BONNER										N 070 OF
RK  ?-C MU ID	AU ID	   STOCK#	 	DESCRIP	TION/CO	ONSTRUCT:	ION NOTES	QTY   RQD	] ] UM	WRK RSP	MAT   RSP	TIM  TRT	ACC   TRT	STANDARE PAGE	)  CRÉW  TYPE	EST    HOURS	
[N	CAPPD 	  514280	( PAD 34 ( PAD	14 CAPA	CITOR			1	EA	С	[ ]	S	CI	3414.1	3-AF4	0.61	
-N	3312-0		1 HANDHC				(w/o cover) IN X 12 IN 331:	1 1	EA	С	1 1	5	1 0	3312	3-AF4	0.41	
	!TG-E-W		TRENCE				QUIP/SWI/HH) SOFT DRAWN	i 1	İEA	i c		s	ci	4510.1	  3swf3 	0.2	
[-N	1-4SLB 	322082	[ 1-4 IN	DB 100	90 D 3	36 IN R I	SLURRY ENC BEND	2	2   EA 2   EA	I C		SI	C 1	3373.2	I	0.1	
I-N	  ln-s/u	1	I				r									1.0	
	  LN/S/S		   LANE C	LOSURE	URBAN S	ST (STRE	ET REPAIR)	1 1							   TC4		
					D2182			SEE SHT 1	.1								
FUNC CODE								SEE SHT 1	.1								
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09/05/17	11:36		SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	DPY - DE'		, 					<u> </u>		
ROJECT:	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1					STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 0			O BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 071 OF 58
WRK  F-C MU I	I IAU ID	  stock#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	UM	WRK RSP	MAT   RSP	TIM  TRT	ACC   TRT	STANDARD	CREW   TYPE	EST	
I-N[	AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	1 73	FT	¢		S	F C	 [	SR3AS	1.9	
I–NI [	   BH03XH   	  X20201   114215	ASPHALT 2 SAW CUT AND BREAK MECH MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	83 63 1	FT EA TN	с		S   		  G7453   	C-BC  C-BA  3SWF4	3.3  3.3  6.6[	
I-N  .	REM-3	i i	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	83 21	FT	С		i S I	i C I	l I	I IC-DT I	7.3	· · · · · · · · · · · · · · · · · · ·
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		FT CY	С		S	I C	G7409	[3-WF3	0.5	
I-N    	AS-M18   	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	73 73 73 73 7 7	FT SF TN TN	С	   C   C	l S	1 C 1 1	1 1 1	C-BC  SR-3A   	4.9    4.9  	
  -N    	1EB3SL	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED	73   73   2	FT     CY	С	c		1 C 1	13376.1		1.0  	
I-N    	1-3SLB   	[ ] [322048[	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	j 1   1   1	EA	С	i C		Ç.   	3373.2 			
I-N	1-3SLS	  322144	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4   4   1		c	[ C [ C	\$ 	i c   	3373.2	i.		
I –N I	LN-S/U	I 1	TC-LANE CLOSURE URBAN STREET	j 1		С	i.	ı s	i c	1	TC3	1.0	· · · · · · · · · · · · · · · · · · ·
 I-N  		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	¢	, [ 7	' [\$	c	   	TC4	1.0	
I-N	3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	20	FT	С	l	5	I C	G7453		7.7[	
I-N  	BKF-3'	i i	BACKFILL TRENCH 3 FOOT DEEP		FT	Ç	Ī	S	i c I	 	3-WF3  C-BC	0.3    0.3	
I-N  	i	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20   2			i c I	[ \$   	C   	G7405   		0.1    0.1    0.1	
I-N  .	1DB3-S	i i	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	20	ET.		I C	IS	C   	3373.1	3-WF3 	0.3	
IN	R-XCES	1 1	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	ΪFΤ	С	i	S	i c	1	C-DT	0.5	

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DP001EM2-L4 09/05/17 1		01			DP			GAS AND E REVIEW CO			L						F	PAGE NO	77
PROJECT: 2														S	TATUS: AC	T WOI	RK ORDE	R: 2960	700
DESIGN: 01	NAME	: ROLANI		T&C JO				STATUS:											
LOCATION:		ET: 02	DISTRICT:		DESIGNED	BY: (	GEORGE :	BONNER						PHON	E: 999-99	999 :	LOCATIO	071 C	F 587
	  AU ID	I I STOCK#	, Di	ESCRIPT	ION/CONS	TRUCT	ION NOT	ES							STANDARD PAGE				
   I_N  	i.	1	   REMOVE/	REPLACE	LANDSCA	PING				  FT				c		  3-WF3			
WORK FA			EXIST	TAG	NEW TAG	÷		·			CONS	TRUCTI	ON	NOTES	5				
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P001EM2-LC 9/05/17 11	L:36	01		SAN DIEGO DPSS - DESIGN	GAS AND ELE REVIEW COPY	( - DE	TAIL							Pi	AGE NO 78
ROJECT: 25	53568		REV:0 TYPE: UD			C JOB				·	5	TATUS: A	CT WO	RK ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1		STATUS: A										
			DISTRICT: CM DESIG									E: 999-9			N 072 OF 587
	AU ID	STOCK#	DESCRIPTION/		TES	RQD	[UM]	RSPI	MAT ! RSP ]	TIM  TRT	ACC   TRT	STANDARD PAGE	CREW   TYPE	EST   [HOURS]	
I-N	1330926 	  162690	HAND HOLE 3309.2 3 QUAZITE BOX 37"X	"x 26" x 26"	 	1	EA  EA	C   	C 1	S	CI	3309.2	3SWF3	0.81	
         	1X09H26	162690	INSTALL EXCAVATION, QUAZITE BOX 37"XX	REMOVE 26"26"		1	EA   EA	C	C 1	s	СI	3309.2	1	1 1	
I-N	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 BEND CONDUIT DB 3 SLURRY MIX, 1 SAG	3 IN 90 D 36 IN	R [	4 4 1	EA   CY	C     	C ]	S	C     	3373.2	l I	0.21	
 I-N			REMOVE/REPLACE LANI	SCAPING	-								  3-wf3	· · · · · · · · · · · · · · · · · · ·	
WORK FAC		<b></b>	EXIST TAG NEW	TAG				ONSI	RÜCI	TION	NOTE	s			
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ROJECT:	253568	JOB:01	SAN DIEGO GAS ANI DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 76;	2 -T&C JOB	1					STATUS: AC	T WOF	RK ORDE	R: 2960700
ESIGN: 0			O BLK 7G2 T&C JOB 1 STAT	JS: ACT									
OCATION:	073 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 I	OCATIO	N 073 OF 587
F-C MU I	 D  AU ID	STOCK#[	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT   RSP	ITIM	ACC   TRT	STANDARD   PAGE	CREW	EST   HOURS	
I-N	AS-2CT	i i	ASPHALT 2 SAW CUT AND BREAK MECH	73	FT	I C	[ ]	IS	I C	[	SR3AS	1.9	
[ I-N[ [	   BH03XH 	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	   93   70   1	   FT   EA   TN	   C 		IS I	[ C [	G7453   	C-BH  3SWF4	3.71 3.71 7.4[	
I-N  	1	   X30007   	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	) 93   24	CY	i c I	1 1 1 C	   S 			  C-DT   	8.21	
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	279   16	FT   CY	ς Ι	     C	S   	C 	1G7409 1	3-WE31	0.6	
I-N	AS-M18	  X20022   114201	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	73   73   73   7	FT   SF   TN   TN	C     		 	C   	   	C-BC  SR-3A 	4.9 4.9	
I-N  		249664 [	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	53   53   2	FT   CY	i C 1 1			c		3-WF3    		
I-N  [	1	322144	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	; 4 ; 4	EA	j c I	i c	1 S 1	[ [		1		
I-NI I	[	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA  EA  CY	C   	1 C 1 C	1	i c	3373.2 			
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1	Ι ΞΑ	C	i	) S	C 	i	TC3	1.0	
I-N			LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	1 C		] S	i C	i	TC4	1.01	
I-N	} [3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	j 30		i c	•	•	С	G7453		11.3	
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP		   FT 	c 	•	\$	   C 		  3-WF3   C-BC   	0.51 0.51	
			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT   TN 	c 	   C 	S   	C   	G7405   	3-WF3   C-BH  C-DT	0.1) 0.1) 0.1)	
I-N  	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	j 30	FT		i c	Ì	i c I	3373.1 	1 1	0.5	
I-NI	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	30		C	İ	S		1 ] ]		0.8	

DP001EM2 09/05/17			01								GAS AN REVIE										PAGE NO	80
PROJECT:			JOB:01	REV	0	TYPE:	UD .	NAME	: ROL	ANDO	BLK 7	32 <b>-</b> Té	C JOB	1				TATUS: 3	ACT W		DER: 2960	
DESIGN:			: ROLAN		7G2 T	aC JO	DB 1					rus: A	CT									
LOCATION	T: 07	3 SHE	ET: 02		ICT: C	М	DESIC	SNED B	BY: GEO	ORGE	BONNEL	R							9999		ION 073 C	F 587
WRK   F-C MU	ID	AU ID	   stock#	1					ÚCTIO			1	QTY	1	VRK   M2	XT   TIN	[ACC]	TANDAR	D [CREW ]TYPE	EST	1	
  I-N		PLANTU	I	! ! REM	OVE/RE	PLACI	e lani	DSCAPI	ng					  FT			   C		  3-WF:		ן נ ו	
WORK FUNC C		DESC		E	XIST T	AG	NEW	TAG						С	ONSTRU	JCTIO	NOTE:	5				
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			REV:0 TYPE: UD NA								STATUS: AC			R: 2960700
			0 BLK 7G2 T&C JOB 1 	STATUS						DHON	IF. 000 00			N 074 OF 5
WRKI			DISTRICT: CM DESIGNED	BI: GEORGE BUNNER							STANDARD			N 074 OF 5
F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONS	TRUCTION NOTES	RQD	i JŪM	RSP	RSP	TRT	TRT	PAGE	[ TYPE	HOURS	
í-N	3'HĎ-A	.  [	HAND DIG TRENCH 3 FT	DEEP AVE	10		I C	ιI	S	C	G7453	13-WF3		
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT	DEEP	•		1 1 C 1				l I	3-WF3	0.21	
I-N 1			SHADE TRENCH WITH SANI SAND, FILL RECYCLEE			FT   TN   IN					G7405	3-WF3  C-BH  C-DT	i i i 1 i 1	
I-N] 	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 F	T LENGTH	10	   FT [ FT 			. –		3373.1	]  3-WF3   	0.2	
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL ( DUMPING FEE	12 IN DEEP)	10   1	  FT  CY	i c I	c	្ទ	i C I	1	C-DT	i 0.31 I I	
I-N	PLANTU	i i	REMOVE/REPLACE LANDSCA	PING		•	c		S		İ	3-WE3	1.0	
I–N    	BH03XH   	X20201   114215	MACH DIG TRENCH 3 FT TRAFFIC BEARING STEE ASPHALT, COLD MIX		i 3 i 1	EA   TN	1	   C     C	 	i I	G7453 	C-BC  C-BH  3SWF4	0.1    0.1    0.2	
I-N(	REM-3'	X30007	TRENCH SPOIL 3 FT DEP DUMPING FEE	ТН	i 3	  FT  CY	I C	       	i s I	1		C-DT	0.3	
I-N  	SLR-18		BACKFILL SLURRY 18 IN SLURRY MIX, 1 SACK S		1	  FT  CY 	i	•	! S	   C 	G7409	  3-WF3   	i i	
I — N     	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLUP CONDUIT DB 3 IN 20 F SLURRY MIX, 1 SACK S	RY ENCASED T LENGTH AND	3   3   1	FT   FT   CY	i c 1 1			C   	3376.1   	3-WF3   		
I-N	LN-S/U	] [	TC-LANE CLOSURE URBAN	STREET	i 1	  EA	i C	[	i 5	   C	i	   TC3	1.01	
I-N		[	LANE CLOSURE URBAN ST											
VORK FAC			EXIST TAG NEW TAG	·			CONS	TRUC	TION	NOTI	 ES			

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			REV:0 TYPE: UD NAME: ROLANDO BLK 7		31				5		T WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLANE		TUS: ACT									
CATION: 0	75 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE						PHOI	NE: 999-99	99	LOCATIO	N 075 OF 58
ABKI			DESCRIPTION/CONSTRUCTION NOTES	I QTY I RQD	! ]បា	WRK 4 RSP	MAT  RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST     HOURS	
I-N	3'HD-A	[ ]	HAND DIG TRENCH 3 FT DEEP AVE	1	)   F	C   C	1	S	Ċ	G7453	3-WF3	4.1	
I-NI	  BKF-3'	i i	BACKFILL TRENCH 3 FOOT DEEP	1 1	)   	i i	Ì	S 	I C		[3-WF3 [C-BC	1 0.2    0.2	
	i –		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1 1	1   TI 		c	S   	1 C 1 1	G7405   	  3-WF3  C-BH  C-DT	1   1   1	
1	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	1	)   F	ri c ri	[ [ C	[		3373.1 	  3-WF3   	0.2	
I-N  1	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1		1. F1 C F1	,	i s	C 	i 1	1C-DT	0.3	
I-N	PLANTU	1	REMOVE/REPLACE LANDSCAPING	1		ri c	1	្រ		İ	3-WF3	1.0	
I-N  	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i .	3   F 3   E 3   E 1   T	X		[ 5   .		G7453 	C-BC  C-BH  3SWF4	0.1    0.2	
I-N    	REM3' 	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	l i i	3   F 1   C	ri c ri	1 C	1 S 1	i c I	 	C-DT	1	
I-N  	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		 9 F 1 C	I C	1	S 	ιc	G7409			
<b>[-N</b> ]	1EB3SL 	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i	3 F 3 F 1 C			S 		3376.1	3-WE3   		
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET		1   E	A C		   S		-		•	
l I–N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		 1   E	AI C		   S				1   1.01	

SEE SHT 11

	253568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -							WOR	RK ORDEI	R: 2960700
	1 NAME		0 BLK 7G2 T&C JOB 1	STATUS:									
CATIÓN:	076 SHE	ET: 01		VED BY: GEORGE BONNER									N 076 OF 58
RK	1			DNSTRUCTION NOTES	(QTY	] WRK	MAT	TIM	ACC ST	ANDARD [C	CREW	EST	
+ N   		i i		'X 26" X 26"	1 EA	i c	1 1	S ] [	C [330 	)9.2  3 	3SWF3  	0.81 I	
-N1	1x09H26	162690	INSTALL EXCAVATION/F QUAZITE BOX 37"X26		1 EA   1 EA	l C	C	S   	C  330 	)9.2 j3	1	0.81	
:-N	1-3SLB 	322048	1-3 IN DB 90 D 36 IN BEND CONDUIT DB 3 SLURRY MIX, 1 SACH	IN 90 D 36 IN R	4   EF	i c I	   C     C	S   	Ì	73.2  3   	3-WE3    		
-N	SAW-CC		SAW CUT CONCRETE		   1 F1	L C		S	c	19	SR-3C	1.1(	
-N	ICC-WIK		CONCRETE SIDEWALK SE	COTION (585) FINISHED	L I	l l C		s	c	l [\$	   SR3CS		
ORK F2	  AC	248205	CONCRETE - 6 SACK	(3/4" ROCK MIX)	1 1 0				NOTES		 	I.	
I NORK FX FUNC COS	  AC	248205	CONCRETE - 6 SACK	(3/4" ROCK MIX)	1 1 0							I	
IORK FI	  AC	248205	CONCRETE - 6 SACK	(3/4" ROCK MIX)	1 1 0							I.	
IORK FI	  AC	248205	CONCRETE - 6 SACK	(3/4" ROCK MIX)	1 1 0								
ORK F2	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0								
IORK FI	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0								
IORK FI	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0								
ORK F2	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0								
ORK F2	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0								
ORK F2	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0					· · · · · · · · · · · · · · · · · · ·			
ORK F2	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0					· · · · · · · · · · · · · · · · · · ·			
ORK FI	  AC	248205	CONCRETE - 6 SACK EXIST TAG NEW ?	(3/4" ROCK MIX)	1 1 0					· · · · · · · · · · · · · · · · · · ·			

			SAN DIEGO GAS AND EL DPSS - DESIGN RÉVIEW COL REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -						5	STATUS: AC	T WOE	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLAND	D BLK 7G2 T&C JOB 1 STATUS:										
OCATION: 0	77 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	TE: 999-99	99 1	OCATIO	N 077 OF 58
			DESCRIPTION/CONSTRUCTION NOTES	QTY   RÓD	ן זאני	WRK  ŔSP	MAT	TIM TRT	ACC TRT	STANDARD PAGE	CREW  TYPE	EST   HOURS	
I-N]	AS-2CT 	I I	ASPHALT 2 SAW CUT AND BREAK MECH	60	FT]	CI	i 1	5	С		SR3AS 	1.6	
I-N]	BH03XH	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	65 49 1	FT [ EA] TN]	C I	C I	s	С	G7453	C-BC  C-BH  3SWF4	2.6  2.6  5.2	· · ·
[-N]	  REM-3' 	    X300071		   65    17	FT] CY1	сi	c	s	C		  C-DT   	5.7	
[-N]	SLR-18	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	11	CYI	1	C	S	C	G7409		0.4	
<b>□-N</b>	AS-M18   	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	60   60   6    2	ET] SF  TN  TN			s	С		C-BC  SR-3A   	4.0  4.0	
[N	1EB3SL   	12496641 16564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	25 25 1	FT] FT] CY]	C I	C C	S	C		  3-WF3   		
	1-3SLS   	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4	EA EA CY	C I	с С	S	Ċ	3373.2			
	1-3SLB   		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA EA CY	ci	C C	s	с	3373.2			
LN	  LN~S/U	1 1 I 1	TC-LANE CLOSURE URBAN STREET	1 1	EA	CI		5	с		TC3	1.0	<del> </del>
-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	j 1	EA		i	s	C		  1C4 	1.0	·
[-N]	  SAW-CC 	i i	SAW CUT CONCRETE	10	FT]	С	i	s	с			1.5	
-N	CC-WLK	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1	EA CY	сI			с		SR3CS	1.0	<u>.</u>
I-N  	XING-U	11142151	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX		FT   TN	сi		5			  TC4 	0.1[	
I-N	I [XINĠ/S	1 1 1 1	TRAFFIC COND. (XING LAME) STREET REPAIR	1	FT	ci		s	c		TC4	0.1	

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

CONSTRUCTION NOTES

SEE SHT 11,12

			REV:0 TYPE: UD									STATUS: AC				
ESIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1		STATUS:											
OCATION: 0	78 SHE	ET: 01	DISTRICT: CM DES	IGNED BY: GEORGE	BONNER						PHON	VE: 999-99	99 I	LÓCATIC	N 078 OF	58
	AU ID	STOCK#	DESCRIPTION		TES	RQD	UΜ	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS		
I-N		1 1	ASPHALT 2 SAW CU				FT	εI	1	S	с			1.2		
I-N	ВНОЗХН	  x20201	MACH DIG TRENCH TRAFFIC BEARING ASPHALT, COLD M	STEEL PLATE	E	46]   35]   1	FT EA TN	C	с   с	5	С	G7453	C-BC    C-BH    3SWF4	1.81 1.81 3.71		
í-N  I	REM-3'		TRENCH SPOIL 3 F DUMPING FEE	t depth		[   46   12	FT) CY]	С	c	S	с		[  C-DT   	4.0		
I-N	SLR-18 		BACKFILL SLURRY 1 SLURRY MIX, 1 S				FT CY	С	С	S	L C	G7409		0.31		
I-N   	AS-M18   	  X20022   114201	ASPHALT BASE & T GRIND ASPHALT ( ASPHALT (BASE) ASPHALT (TOP)			46 46 5	FT SF TN TN	C	C C C	S		   	C-BC	3.1  3.1  		
E-N    	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 S	SLURRY ENCASED 20 FT LENGTH ACK SAND		118 118 3	FT   FT	С	с	S	i c	3376.1		1.7		
E-N	1-3SLB   	322048   656400	1-3 IN DE 90 D 36 BEND CONDUIT DE SLURRY MIX, 1 S	3 IN 90 D 36 IN	R	2 2 1	EA EA	С	С	[ [	1	3373.2		   <b> </b>		
	LN-S/U	i i	TC-LANE CLOSURE U	RBAN STREET		1	EA	Ċ	i	s	i c	İ	TC3	1.0		
-N		i i	LANE CLOSURE URBA	N ST (STREET REP.	AIR)	1		Ċ		S	   C	ĺ	[ [TC4 ]	1.0		
-N	Ì	i i	TC-TRAFFIC CONDIT ASPHALT, COLD M		SINGS	•	TN]	С	с	5	[	[	  TC4   	0.1		
	XING/S		TRAFFIC COND. (XI	NG LANE) STREET	REPAIR					-	-	•	ITC4			
WORK FAC FUNC CODE			EXIST TAG NE	w TAG			0	CONS:	rruc:	FEON	NOTI	55				
					SEI	e sht 13	L,12	2								

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OJECT: 25				TYPE				DO BLK 7	'G2 -T8	C JOB	1				5	STATUS: AG	т wo	RK ORDE	R: 2960700
5IGN: 01	name	: ROLANE	0 BLK 7					STA	TUS: A										
CATION: 0				 Г: СМ		NED BY		GE BONNE							PHON	VE: 999-9	 999	LOCATIO	N 079 OF 58
rk j										OTY		WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C MU ID	AU ID	STOCK#		DESCRIP'					I		ÚM	RSP	RSP	TRT	TRT		TYPE	HOURS	
	3421-1 	.1 1	PAD 3 PAD	421 1-PHA 1-PHASE						1	EA	_	1	S	С	3421.1	3-AF4	0.4  	
-N	X-XF1	ei i		REP 3421	PAD	(1-PHAS	SE TRAN	SFORMER)		1	EA	С		S	CI			0.4	
I-N	1	71 18128161	WIR:	H GRD WII E BARE CO						1 8	EA]  LB]	С	с	S	С	4510.1	3SWF3 	0.2	·
  -N	1-3SLE 	322048	1-3 I BEN	N DB 90 1 D CONDUIS	r de S	3 IN 90	D 36	IN R		5 5	EA     EA	С	C	S	С	3373.2	1	0.3  	
		1656400	SLU	RRY MIX.	1 SA0	K SANI	) 			1	[CY]		1 ¢				 		
WORK FAC FUNC CODE		;	EXI	ST TAG	NEW	TAG					C	CONS	TRŲC:	TION	NOTE	s			
I PI	PAD				D218	3226			SEE	SHT 1	2								
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00012M2-LOCAL40-0		I DIEGO GAS AND ELECTH DESIGN REVIEW COPY -	DETAIL		PAGE NO 87
	JOB:01 REV:0 TYPE: UD NAME:				WORK ORDER: 2960700
ESIGN: 01 NAME	ROLANDO BLK 7G2 T&C JOB 1	STATUS: ACT			
	ET: 01 DISTRICT: CM DESIGNED BY:	GEORGE BONNER		PHONE: 999-9999	LOCATION 080 OF 587
WRK    F-C MU ID  AU ID	   \$TOCK#  DESCRIPTION/CONSTRUC	ION NOTES   QT	IY    WRK MAT TIM  QD  UM RSP RSP TRT	ACC   STANDARD   CREW TRT   PAGE   TYP	E   HOURS
I-N   1EB3SI     	1-3 IN EB CONDUIT SLURRY E 2496641 CONDUIT DB 3 IN 20 FT LE 6564001 SLURRY MIX, 1 SACK SAND	ICASED [ IGTH [	38 FT  C     S 38 FT    C   1 CY    C   	C  3376.1  3-W.       	F3  0.5        [
I-N( (1-3SLE	1-3 IN DE 90 D 36 IN R BEN 322048 BEND CONDUIT DE 3 IN 90 656400 SLURRY MIX, 1 SACK SAND	D SLURRY ENC   D 36 IN R   	2 EA  C     S   2 EA    C     1 CY    C	C 3373.2 3-W	F3  0.1
WORK FAC FUNC CODE DESC	EXIST TAG NEW TAG		CONSTRUCTION	NOTES	
		SEE SHT	r 12		
		· · · · · · · · · · · · · · · · · · ·			

			REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2										R: 2960700
ESIGN: 01			0 BLK 7G2 T&C JOB 1		IS: ACT							·····		
OCATION: 0	81 SHE	ET: 01	DISTRICT: CM DESIG	NED BY: GEORGE BONNER						PHON	VE: 999-99	99 :	LOCATIO	N 081 OF 5
F-C MU ID		STOCK#	DESCRIPTION/C		RQD	UM	RSP	RSP	TRT	TRT		] TYPE	HOURS	
I-N		i i	HAND DIG TRENCH 3		12	ET	с	FI		с	G7453		4.8	
I-N	BKF-3'	i i I i	BACKFILL TRENCH 3 FO	DOT DEEP	i 12	FT 	С		S   	C		3-WF3  C-BC	0.21 0.21	
I-N		i i	SHADE TRENCH WITH S SAND, FILL RECYC	AND - 12 INCH WIDTH LED MATLS PREFFERED	12   1	FT   TN 	С	   C	S   	С	G7405	C-BH  C-DT	     	
1	I.	2496641	1-3 IN DB CONDUIT SI CONDUIT DB 3 IN 2		12 12	FT	С		[ ]	C	3373.1	1	i 0.2  	
[N	R-XCES	X30007	EXCESS TRENCH SPOIL DUMPING FEE	(12 IN DEEP)	i 12 i 2	FT   CY	С	[   C	i i	С		]  C-DT ] 1	0.3  	
	CC-2CT		CONCRETE 2 SAW CUT 2	and break Mech	12		с	[		С		SR3AS	0.5	
	CF-H12		FINISH CONCRETE SUR	FACE MAN 12 IN	12	FT	С	[	[   [5	C,		1  SR3CS	i i	;
I-N    	l I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S' ASPHALT, COLD MIX	TEEL PLATE	3   3   1	FT   EA   TN		C     C	i i I I	Ċ	G7453	C-BH  3SWF4	0.1    0.1    0.2	
1	REM-3'	X30007	TRENCH SPOIL 3 FT ) DUMPING FEE	DEPTH	i 3 I 1	FT   CY	Ç		[ ]	С		1	0.3  	
	SLR-18 		BACKFILL SLURRY 18 SLURRY MIX, 1 SAC		i 9 i 1	FT   CY	С	l c		С	G7409	  3 <b>-</b> WF3   	i i I I	
I-NI I	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAC	LURRY ENCASED ) FT LENGTH K SAND	3   3	FT   FT   CY	С	   C     C	[5] [1]	C :	3376.1	13-WF3 1 1		
	LN-S/U		TC-LANE CLOSURE URB	AN STREET	1	EA	С	L	   \$	С		  TC3	i 1.0i	
	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPAIR)					 [S				1.0	
VORK FAC			EXIST TAG NEW '				CONS	TRUC	TION	NOTE	s			

		ROLANI	DO BLK 7G2 T&C JOB 1 STATU	JS: ACT			_		_				
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATIO	N 082 OF 5
-CIMU II	l IAU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	19	FT	C	l.	S	С	+  G7453 	3-WF3	7.3	
[N	BKF-3'	1 I	BACKFILL TRENCH 3 FOOT DEEP	i 19	FT 	i c	 [	S	С	 	3-WF3  C-BC	0.31	
E-N    [	SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	19   1	TN 	1 C 1	C 	S	С	G7405 	C-BH   C-DT	0.11 0.11 0.11	
[-N]	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	19   19	FT   FT	i c	Ì	S   1	С	3373.1 1	3-WF3	1	
[ <b></b> N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 19 I 2	FT	) С 	İ.	S 	С	l I	C-DT	0.5i	
E-N	CC-2CT	•	CONCRETE 2 SAW CUT AND BREAK MECH	19	FT	C	   	5	С	İ		0.81	
E-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	i 19	FT	I C	   	S	С	l	ISR3CS	0.11	
I – N I 1 1	l 1	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	6   5   1	FT   EA   TN	i c   	   C   C	S   	c	G7453   	C-BC  C-BH  3SWF4	0.21 0.21 0.51	
ן וא–1 ו	] REM-3*	    X30007  	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	6	FT   CY	С	   C 	S 	l C	1	  C-DT   	0.5	
I-N    	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	18   2	FT   CY	C 		S 1	I C	G7409 	3-WF3   	i i I 1	
I-N  	1EB3SL	  249664  656400	1-3 IN EE CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	6   6	FT   FT   CY	i c I	   C   C	S   	C   	3376.1   	3-WF3   	0.11	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1	EA	i C		S	i C	i		1.0	
I-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)				 [					   1.0	
NORK FI			EXIST TAG NEW TAG			CONS	TRUC	TION	NOT	ES			
				SEE SHT 1	2								

ROJECT: 25	3568 3																	SR: 296070	
ESIGN: 01								STATUS											
OCATION: 0														PHON	E: 999-99	999 1	LOCATIO	ON 083 OF	587
wrk															STANDARD				
F-CIMU ID	AU ID	STOCK#	I						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS		. <b>.</b>
I-N	330926 	  162690	HAND HO QUAZI	DLE 3309.	.2 37"2	x 26" x				1 EA 1 EA	i c	I I I C I	SI	C I	3309.2	3SWF3 	0.81 		
I-N	X09H26	162690	INSTALI QUAZI							1 EA 1 EA	C 	I C I	s I	C [	3309.2	1	0.8		
I	1-3SLB 	322048	1-3 IN BEND	CONDUIT	DB 3 1	IN 90 D	SLURRY 36 IN 3	ENC R		4 ] EA 4 ] EA	C I	C	S [	c i I	3373.2	[	0.2		
		656400  	SLURB	RY MIX, 3	l sack	SAND						C   							
I-N	PLANTU		REMOVE/	REPLACE	LANDS	CAPING				1 FT	C		S	с (		3~WF3	. 0.i		
WORK FAC FUNC CODE			EXIST	r tag	NEW TA	AG				(	CONST	FRUCT	ION	NOTE	S				
								5	SEE SHT	12									
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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	7				:	STATUS: AC	T WO	RK ORDE	R: 2960700
			00 BLK 7G2 T&C JOB 1 STATUS										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATIO	N 084 OF 5
WRKI F-CIMU ID	IAU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	I I UM	WRK RSP	MAT   RSP	TRT	TRT	STANDARD PAGE	TYPE	EST   HOURS	
[-N]	IAS-2CT	1 1	ASPHALT 2 SAW CUT AND BREAK MECH	45	FT	С		S	С	1	SR3AS	1.2	
I — N   ·   	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	54   41   1	FT   EA   TN		   C   C	S           	C	G7453   	C-BC  C-BH  3SWF4		
[−N  	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	   54   14	FT	C	ĺ	   S   	С	I			
ב–או ו	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	162   10	] FT ] CY	[ C 	   c	S   	Ċ	G7409 		0.3i	
[       	AS-M18   	  x20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	45   45   5   1	FT   SE   TN   TN			S       	С	     	C-BC   SR-3A   	3.01 3.01	
I–N  [	1EB3SL   	2496641 6564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	89	FT   FT   CY	) C   		S	C	3376.1   	  3-wf3   	1.21	
[ — N [ ] ]	1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	j 1	EA   EA   CY	i C 1		S   	С	3373.2 	13-WF3		
1 1 1 1	i I	3221441 6564001	1-3 IN DE 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DE 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4   4   1	EA   EA   CY	i c I	i I C	S   	i c	13373.2 	1	i i	
[ [-N]	(LN-S/U	 	TC-LANE CLOSURE URBAN STREET	1 1		C		1	с	l	TC3	1.01	
	l   LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	i 1		с	4	] S	c	I	1TC4	1.01	
[ [-N]	SAW-CC		SAW CUT CONCRETE	1 10		i c	4 4	   S	C C	İ		1.5	
[ - N [	[	i i	CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1		i c I		   \$   		 		i 1.0	
	XING-U	  114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1 1	FT   TN	i C I	C	1		i	TC4		
[ I-N[	  XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1			1		l C	l	   TC4	0.1	

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CONSTRUCTION NOTES

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		JOB:01	REV:0 TYPE: UD	SAN DIEGO GAS A DPSS - DESIGN REVIE NAME: ROLANDO BLK 7	G2 -T&C JOB					1	STATUS: AC	CT WOI	RK ORDE	R: 2960700
SIGN: 01			D BLK 7G2 T&C JOB 1	STA	TUS: ACT									
CATION: 0	85 SHE	ET: 01 1	DISTRICT: CM DÉS	IGNED BY: GEORGE BONNE		<u> </u>				PHO	NE: 999-99	999 1	LOCATIO	N 085 OF
VRK! F-CIMU ID	  AU ID	  STOCK#	DESCRIPTION	CONSTRUCTION NOTES	QTY   RQD	  UMI	WRK   RSP	MAT   RSP	TIM	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
[-N]	3'HD-A			3 FT DEEP AVE				I	5	С	G7453	3-WF3	10.2	
-N	   BKF-3 ' 	1 1	BACKFILL TRENCH 3	FOOT DEEP	27	FT	CI		s	¢	Ì	3-WF3	0.4[	
-N	1 1	611492		SAND - 12 INCH WIDTH YCLED MATLS PREFFERED	. –	FT TN	j	C I			G7405   	3-WF3  C-BH  C-DT	0.1	
	1DB3-S	249664	1-3 IN DB CONDUIT CONDUIT DB 3 IN		, = · ·	FT   FT						 [3-WF3 [	0.4	
I-N	R-XCES		EXCESS TRENCH SPO DUMPING FEE	IL (12 IN DEEP)		FT CY	cI	с			1	IC-DT I	0.7	
i-n	PLANTU	1 1	REMOVE/REPLACE LA	NDSCAPING	27	FT	c		s	i C			2.7	
[-N]	i I	  X20201   114215	MACH DIG TRENCH TRAFFIC BEARING ASPHALT, COLD M	STEEL PLATE	4	FT[ EA]	ĺ	с с		i c 1 1	G7453   	C-BC  C-BH  3SWF4 	0.2  0.2  0.4	<u> </u>
I-NI	REM-3'	X30007	TRENCH SPOIL 3 F DUMPING FEE	T DEPTH		ET] CY1		С	S.	   C 	]   	IC-DT	0.4	
[-N	SLR-18 	656400	BACKFILL SLURRY 1 SLURRY MIX, 1 S	8 IN WIDE X 12 IN DEEP ACK SAND		FT     CY ]		с	[ S 	C 	G7409	3-WF3 	i í	
[-N]   	i I	  249664   656400	1-3 IN EB CONDUIT	20 FT LENGTH	5	FT   FT   CY	C I		1	Ċ			0.10	
	LN-S/U		TC-LANE CLÓSURE U	RBAN STREET	1	IEA	с		15	   C	İ	TC3	1.0	
	  LN/S/S		LANE CLOSURE URBA	N ST (STREET REPAIR)	1	EA	с		   S	l (C		TC4	   1.0[	

SEE SHT 12

Block 7G2 UUP Attachment E – Technical Specifications

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			REV:0 TYPE: UD NAME: ROLAN	DO BLK 7G2 -T&	C JOB	1				5	STATUS: AC	T WO	RK ORDEI	R: 2960700
			) BLK 7G2 T&C JOB 1											
OCATION: (	86 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORG	SE BONNER						PHO	WE: 999-99	99		
WRK) F-CIMU ID	  AU ID	I STOCK#I	DESCRIPTION/CONSTRUCTION	NOTES	QTY ROD	  UM	WRK RSP	MAT   RSP	TIM] TRT1	ACC TRT	STANDARD	CREW	EST    HOURS	
[−N	3'HD-A	4 1	HAND DIG TRENCH 3 FT DEEP AVE						S J	С	G7453	3-WF3	1 7.0[	
	   BKF-3 ' 		BACKFILL TRENCH 3 FOOT DEEP	 [ 	18	  FT  	С		s   		ĺ			
I – N I I I			SHADE TRENCH WITH SAND - 12 INC: SAND, FILL RECYCLED MATLS PR								E I	  3-WF3  C-BH  C-DT	0.1]   0.1	
I-N]			1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	   		  FT   FT	С				3373.1	  3-WF3 		
I-N		• •	EXCESS TRENCH SPOIL (12 IN DEE DUMPING FEE	P)	18 2			i c i	i			C-DT	0.5	
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK M	ECH	18	1    FT					.   			
IN	  CF-H12		FINISH CONCRETE SURFACE MAN 1	2 IN (	18	]     FT	с	 	S	Ċ		 [SR3CS	•	

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Block 7G2 UUP Attachment E ~ Technical Specifications

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OJECT: 3	253568 3	JOB:01	REV:0	TYPE: UD	NAME: I	ROLANDO BLK 7	G2 -T&C JOB	1							R: 2960700	
			O BLK 7G2	T&C JOB 1			TUS: ACT								;	
	087 SHEE	T: 01	DISTRICT:	CM DESI	GNED BY:	GEORGE BONNE	R				PH	ONE: 999-9	999 :	LOCATIO	N 087 OF 58	
-CIMU Ì	 D  AU ID	   STOCK# [	DE	SCRIPTION/	CONSTRUC!	PION NOTES	I QTY I RQD	UM	RSPI	RSP 1	RTITE		TYPE	HOURS		
-N	330926	  162690	HAND HOI QUAZII	E 3309.2 3	7"X 26" 2	K 26"	1 1	EA   EA	C   	с	s i c 1	13309.2	(3SWF3 	1 0.81 1		
-N	1	  162690	INSTALL QUAZII	EXCAVATION TE BOX 37"X	/REMOVE 26"26"	1	1 1 1 1	EA     EA	C I	c	\$ 1 C	13309.2	1	0.8		
-N    	1-3SLB	322048	1-3 IN D BEND C		3 IN 90 I	D SLURRY ENC D 36 IN R	i 3   3	EA	C [	c i		13373.2	3-WF3			
-N	     PLANTU	030400  	REMOVE/F				Í	1 1	í	Į	i i	1	  3-WF3	i i		
							SEE SHT 1									
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			REV:0 TYPE: 1								5	STATUS: AC	T WOI	K ORDEF	:: 29607	'00
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			00 BLK 7G2 T&C JOB		STATUS	ACT			- <b>-</b>							
OCATION:	088 SHE	ET: 01	DISTRICT: CM D	ESIGNED BY: GEO	RGE BONNER							IE: 999-99			1 088 OF	: 58
	AU ID	STOCK#	DESCRIPTI		NOTES	RQD	I UM I	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURSI		
I-N    	1EB3SL   	  249664	1-3 IN EB CONDU CONDUIT DB 3 SLURRY MIX, 1	IT SLURRY ENCASI IN 20 FT LENGTH	ED	130    130	FT	C 		SI	С	3376.1	3-WF3 	1_8     -		
[-N]	1-3SLB   	  322048   656400	1-3 IN DB 90 D BEND CONDUIT SLURRY MIX, 1	DB 3 IN 90 D 36	IN R	2    2    1	EA     EA     CY	C   1		S	C	3373.2	3-WF3   	0.1[		
L-N [	BHO3XH   	X20201   114215	MACH DIG TRENCH TRAFFIC BEARI ASPHALT, COLD	NG STEEL PLATE		1 10 1 8 1 1	FT     EA     TN	( C   		S   	C	G7453		0.41		
I-N	REM-3'	1 <b>X3</b> 0007	TRENCH SPOIL 3 DUMPING FEE	FT DEPTH		10 3	FT   CY	C I	1   1     C	S I	С		C-DT	0.91		
[-N	SLR-18	656400	BACKFILL SLURRY SLURRY MIX, 1		2 IN DEEP	30 2	FT CY	C I	ici	S I	С	G7409	  3-WF3   	0.1		
I-N	LN-S/U		TC-LANE CLOSURE	URBAN STREET		1	] EA	C	     	S	С		TC3	1.0		
ī−N[	  LN/S/S	i i	LANE CLOSURE UR	BAN ST (STREET )	REPAIR)		EA	Ċ	1 1	S	С		TC4	1.0		
I-N:	PLANTU		REMOVE/REPLACE	LANDSCAPING		1 10								1.01		
WORK FA FUNC COE			EXIST TAG	NEW TAG	Si	EE SHT 1,		CONS	TRUCI	TION	NOTI	2S				
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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: A				
ESIGN: 01	NAME	ROLAND		S: ACT										
	89 SHEI	ET: 01 )	DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-9			N 089 OF	587
F-CIMU ID	  AU ID	 [STOCK#[	DESCRIPTION/CONSTRUCTION NOTES	RQD	UDA	I RSI	RSE	TRT	TRT	STANDARD   PAGE	TYPE	HOURS		
I-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE		F3	ri c	1		I C	G7453	13-WF3	6.6  		
I-N		i i	BACKFILL TRENCH 3 FOOT DEEP		F7 	ri c I		1   S  .	i C	1	13-WF3 1C-BC	1 0.31 1 0.31		<u> </u>
			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	. –		1 11 1			Ì	G7405	C-BH  C-DT	0.1    0.1    0.1		
1	1	2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH		   E1   E1		10		i c			i 0.3i		
I-N  	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		   C3			Ś	c			0.4[		
	PLANTU		REMOVE/REPLACE LANDSCAPING	5	F	ri c	1	15	i c		3-WF3			
IN	l ICC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	12	:[F]	ויס	1	15	i c		SR3AS	0.51		
I-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	12	F1	ין ס	1	I S			SR3CS	i i		
I-N I	1 1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	IEA ITI	۲.		1	i c	G7453   	C-BH  3SWF4	0.21 0.21 0.41		
	REM-3'	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 5 i 2	ics	ri c (	1 1 C		C	1	C-DT	0.41		
r-n  	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	   F1   C1		.   C			G7409 				
	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5   5   1	•	cic Ci Ci	- - - - - -	i	•	3376.1		0.1      		
	LN-S/U		TC-LANE CLOSURE URBAN STREET			r  c			, c	   	•	i 1.01		
	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	  E2	7  C	1	   5	i c	l.		1.0		

SEE SHT 12

OUECT: 25.	3568 3	JOB:01	REV:0		ו מט:	NAME: F	OLANDO	BLK 7G2 ·	-T&C JOE	1				s	TATUS: A	CT WO	RK ORDE	R: 2960700
			O BLK 7G2	T&C JC				STATUS	: ACT									
			DISTRICT:			ED BY:	GEORGE	BONNER						PHON	E: 999-9	999	LOCATIC	N 090 OF 58
RK  -C MU ID				ESCRIP	TION/CO	NȘTRUCI	ION NOT	TES							STANDARD PAGE			
	330926		HAND HOI QUAZIT	LE 3309		X 26" >					C   			CI	3309.2		0.8	
-N [	X09H26	    162690	INSTALL QUAZI:	EXCAVA TE BOX	ATION/R 37"X26	EMOVE "26"			i 1	  EA   EA	CI			сi	3309.2	  3\$WF3 	   0.8[ 	
-N]	1-35LB 1	322048	1-3 IN I BEND ( SLURR)	CONDUIT	T DB 3	IN 90 E			1 3	  EA   EA   CY	CI	1 1 1 1 1 1	- 1	c i	3373.2	3WF3		
-N		! I 1 I	REMOVE/H	REPLAC	E LANDS	CAPING				  FT						  3-WF3	-	
ORK FAC	DESC		EXIST	TAG	NEW T.	 AG				 C	CONST	RÚCŤ	ION	NOTE	s			
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			REV:0 TYPE: UD	NAME: ROLANDO			1								R: 2960700
ESIGN: 01			0 BLK 7G2 T&C JOB 1		STATUS:										
OCATION: (	91 SHE	ET: 01	DISTRICT: CM DESIG	NED BY: GEORGE	BONNER						PHO:	NE: 999-99	99 3	LOCATIO	N 091 OF 587
WRK] F-C MU ID						QTY	1	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N	3'HD-A	1 1	HAND DIG TRENCH 3			19	[FT]	С	i	S	Ċ	G7453	3-WF3	7.3	
I-N	  BKF-3' 	1 1	BACKFILL TRENCH 3 1	FOOT DEEP		19	FT   	С	1		с		3-WF3  C-BC	0.3	
 	SHD-12   	611492	SHADE TRENCH WITH SAND, FILL RECYC			19 1		С	•		-	G7405 	3-WF3  C-BH  C-DT		
I-N	10B3-S	12496641	1-3 IN DB CONDUIT S CONDUIT DB 3 IN 2			19	[FT]		I Ç	1 S   	с	3373.1	  3-\vers   	0.3	
I-NJ	R-XCES 		EXCESS TRENCH SPOID DUMPING FEE	. (12 IN DEEP)		19 2	FT   CY]	С	(C	S     S	С	l	CDT   1	0.5	
I-N	PLANTU	i i	REMOVE/REPLACE LAN	SCAPING				С		S					
I-N    	 	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	STEEL PLATE		i 7	EA]  TN]	-		S       	-	G7453 	C-BC  C-BH  3SWF4	0.4  0.7	
	REM-3'	X300071	TRENCH SPOIL 3 FT DUMPING FEE	Depth		9	CY	С		S   		 	  C-DT		
I-N	SLR-18		BACKFILL SLURRY 18 SLURRY MIX, 1 SAG		N DEEP	27	FT     CY	¢	ι ι c		¢	G7409	3-WF3 		
	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAG	20 FT LENGTH		9   9   1	FT     FT     CY [	C		S   	С	3376.1	1	0.1	
I-NI	LN-S/U	 	TC-LANE CLOSURE UR	BAN STREET		1	EA	С	[		ċ	Ì	I ITC3	1.0	
1-N1	  ln/s/s		LANE CLOSURE URBAN	ST (STREET REPA	AIR)					]   S			ITC4	1.0	
WORK FAC FUNC CODE			exist tag new	 TAG					FRUC:	TION	NOT	ES			
				, 	SEI	E SHT 1:	2,8							- <u></u>	·
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ESIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999	LOCATIO	N 092 OF 58
RKI RCIMU ID	  AU ID	  STOCK#		QTY   ROD	   UM	WRK RSP	MAT   RSP	[ TRT	TRT	STANDARD	TYPE	HOURS	
Г—N [		i i	ASPHALT 2 SAW CUT AND BREAK MECH	1 290	FT	с	Į	i s	Ċ		ISR3AS	7.51	
I-N   	BH04XH	  X20201	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	290   290   3	FT   EA   TN	C   	1   C   C	S   	C	G7453   	C-BC  C-BH  3SWF4	14.5    14.5    29.0	
[-N]	REM-4'		TRENCH SPOIL 4 FT DEPTH DUMPING FEE	   290   99	FT	i c	i –	i s	C	ĺ	C-DT	   34.8  	
[-N  [	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	870   49	FT  CY	C 	[ [ C	S	i c I	G7409 	13-WF3		
I-N[ 1 1	(AS-M18	  x20022   114201   114202		290   290   27   7	FT   SF   TN   TN	ic I I	1 C 1 C 1 C	S   		- 	C-BC  SR-3A 	19.4    19.4  	
I – N     	1EB4SL	249710   656400	1-4 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 100 4 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	290   6	FT   FT   CY	i c I I			i c   	3376.1   	3-WF3   	 	
E-NI	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1		C	i		C	ĺ	ITC3	1.01	
I-NI		i i	LANE CLOSURE URBAN ST (STREET REPAIR)			C	i	   S 	C	i			
I-NI 1		i i	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	j 1	   FT   TN 	i c I	i 1 C	i S	[ C [	l	TC4	0.1	
I-NI	XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	j 1		с	i i	S 	I C		TC4		
I-N		i i	TC-ARROW BOARD ASSIST FOR TRENCHING	. 8	HR	c	i i		i c	i	ARROB	8.0	
[-N]	] ] FLAG-U		TC-FLAGGING					S				8.0	
NORK FAG			EXIST TAG NEW TAG			CONS	TRUC	TION	NOT	ES			
			S	EE SHT 1	2								

P001EM2-LC 9/05/17 11		01	DPS	SAN DIEGO GAS AND S - DESIGN REVIEW C	ELECTRIC OPY - DÈ	TAII	J						P	AGE NO 100
			REV:0 TYPE: UD NAM			1				4	STATUS: AC	T WOR	RK ORDE	R: 2960700
SIGN: 01	NAME :	: ROLAND	0 BLK 7G2 T&C JOB 1	STATUS										
				BY: GEORGE BONNER						PHOI	VE: 999-99	99 1	LOCATIO	N 093 OF 587
		STOCK#	DESCRIPTION/CONST	RUCTION NOTES						TRT	STANDARD PAGE	TYPE	HOURS	
I-N		i i	HAND DIG TRENCH 3 FT D	EEP AVE	21	,	С			c ·	G7453	3-WF3	8.11	
I-N	  BKF-3'   	i i	BACKFILL TRENCH 3 FOOT :	DEEP	21	FT	С	i i	\$   	Ċ		3-WÉ3  C-BC	0.31	
I – N     	I SHD-12		SHADE TRENCH WITH SAND SAND, FILL RECYCLED 1		21   2	FT     TN   	с	C	S       	Ċ	G7405	3-WF3  C-BH  C-DT	0.11 0.11 0.11	
I-N    		249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT		21 21	FT	С	C C	្រន	С	3373.1	3-WE3	0.3	
I-N	R-XCES		EXCESS TRENCH SPOIL (1 DUMPING FEE	2 IN DEEP)	21	FT	С			С	ľ	C-DT	1	
I-N	PLANTU	i i	REMOVE/REPLACE LANDSCAP.	ING			с		\$     \$	С			2.1	
I-N	AS-2CT	i L	ASPHALT 2 SAW CUT AND	BREAK MECH	• • •	FT	с		5	-	l I	SR3AS	1.21	
	AB-M18 	i i	ASPHALT BASE MECH 18 ASPHALT (BASE)	IN	45 5		C		S ( 		[	  C-BC  SR4AL 	1.2  1.2[	
I-N	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT D TRAFFIC BEARING STEEL ASPHALT, COLD MIX		55 42	FT     EA     TN	¢	С С	S   	¢	G7453	C-BC  C-BH  3SWF4	2.2  2.2  4.4	
I-N  	REM-3' 	X30007	TRENCH SPOIL 3 FT DEPT DUMPING FEE	H	.55 14		Ċ		S			IC-DT I	4.8	
[ I-N] [	)SLR-18	656400	BACKFILL SLURRY 18 IN W. SLURRY MIX, 1 SACK SA		•	FT   CY	С	с			G7409	  3-WF3   	0.3	
	] 1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURR CONDUIT DB 3 IN 20 FT SLURRY MIX, 1 SACK SA	LENGTH	115   115   3	FT     FT     CY	с	i i	S   	C	3376.1	•	1.6	
I-N	iln-s/u		TC-LANE CLOSURE URBAN S	TREET	•	[  EA	с		S	с		ITC3		<del></del>
I-N[	  LN/S/S	i i	LANE CLOSURE URBAN ST (	STREET REPAIR)		EA				с		I TC4	1.01	
	] ]SAW-CC	i i	SAW CUT CONCRETE		1 10		с·		s	С		ISR-3C	1.5	
 IN[ 			CONCRETE SIDEWALK SECTION CONCRETE - 6 SACK (3/-		i 1	EA		i	1   S   	С	1	  SR3CS 	1.0	

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

## EW TAG

## CONSTRUCTION NOTES

SEE SHT 12

2001EM2-L0 2/05/17 11		)1		SAN DIEGO DPSS - DESIGN	O GAS AND N REVIEW C			Ĺ						P	AGE NO 10	01
			REV:0 TYPE: UD	NAME: ROLANDO								• • •	T WO	RK ORDE	R: 2960700	)
			00 BLK 7G2 T&C JOB 1			S: ACT										
CATION: 0	94 SHEI	ET: 01	DISTRICT: CM DESI									NE: 999-99		LOCATIO	N 094 OF 5	587
RKI -CIMU ID	AU ID	STOCK#	DESCRIPTION/	CONSTRUCTION NO		RQD	UM	RSP	RSP	TRT	TRT	STANDARD   PAGÉ	TYPE	HOURS		
-N	(1EB3IN     	  248201   249664   663528	1-3 IN EB CONDUIT CONCRETE - 2 SAC CONDUIT DB 3 IN SPACER INTERMEDI 1 IN BASE SPACER	CONC ENC K (GRAVEL MIX) 20 FT LENGTH ATE 5 IN 2-WAY			5 FT L CY 5 FT B EA 8 EA	C     		S       	C	3376.1     	3-WF3   	0.6          		
	1-3SLB	1	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SA	3 IN 90 D 36 IN	RY ENC N R		liea Liea Licy		Í I	S   	C   	3373.2	3-WF3 			
-N	1-3SLS	  322144[  656400]	1-3 IN DE 22.5 D 2 BEND CONDUIT DE SLURRY MIX, 1 SA	3 IN 22.5 D 25	FT R	[ •	4   EA 4   EA	] C ]	[ C	S 	C 	3373.2 		0.71		
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ESIGN: 01			O BLK 7G2 T&C JOB 1 STATU	S: ACT									
OCATION: C	95 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 095 OF 58
WRK	1	1 1	DESCRIPTION/CONSTRUCTION NOTES	QTY	i	WRK	MAT	TIM	ACC	STANDARD	CREW	ÉST	
I-N		l E	ASPHALT 2 SAW CUT AND BREAK MECH	1 35	1 FT	C		S	[ C		SR3AS	0.91	
I-N	BHO3XH 	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	35   27   1	FT   EA   TN	i c I	   C   C	S   		G7453   	C-BC  C-BH  3SWF4	1.4  1.4  2.8[	
I-N	REM-3'	      X30007  	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	   35   9	FT   CY	i C	     C	S 		Ī	  C-DT 	3.1) (	
I –N   	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	105 6	IFT ICY	i C	i I C	S 	C	[G7409 ]	3-WF3 	0.2]	
I-N [ [ [	AS-M18     	  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	35   35   4   1	FT   SF   TN   TN			S     		₽  -  -	SR-3A   	2.3	
I-N I	11EB3SL		1-3 IN EE CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	157   157   157   3	FT   FT   CY	i c I	   C   C	S   	i C 1 1	3376.1	  3-WF3 	2.2	
I-N  !	1-3SLS   	  322144   656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	8   8   2	EA   EA   CY	ט     	់ ប្រ ប្រ	S   	i c	3373.2 1	•	 	
	1-3SLB	13220481	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 2 1 1	EA  EA  CY	ic I	C   C	S   	C   	3373.2	3-wf3   	0.1	
I-N	LN-S/U	[ 1	TC-LANE CLOSURE URBAN STREET	1 1	EA	I C		S		1			
[-N]		i i	LANE CLOSURE URBAN ST (STREET REPAIR)		EA	- C	1	S	1 C	1	I TC4		
IN    	i -	i i	ASPHALT, COLD MIX		FT   TN	[	l C	is I		1	] ]TC4 ]		
I-N	XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	i 1	FT	l C	[	s	i c	1	)  TC4	0.1	

			REV:0 TYPE: UD NAME: ROLANDO BLK							STATUS: AC			R: 2960700
				TATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BON										N 096 OF 5
WRK  F-C¦MU ID	AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES							STANDARD PAGE			
I-N]		t i	ASPHALT 2 SAW CUT AND BREAK MECH	370	[FT	Ċ	I İ	SI	С		SR3AS	9.6	
I-N	BH04XH	  X20201   114215	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	389   389   4	FT EA	C   	   C     C	S	¢	G7453	C-BC  C-BH  3SWF4	19.5    19.5    38.9	
	REM-4'	1200001	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	133	FT   CY	C L	C	S			  C-DT   	1 <b>46.</b> 7	
I-N	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DE SLURRY MIX, 1 SACK SAND	EP   1167   65 	'   FT   CY	i c		S	С	G7409		2.3	
I-N    	AS-M18   	  X20022   114201	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	370   370   34   8	FT   SF   TN   TN	i c     	C     C	S	С		IС-вс	24.81 24.81	
I-N    	  1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	8	FT   FT   CY	ic I	1   C     C				  3-WF3   	5.4  	
	i I	322048   656400	1-3 IN DE 90 D 36 IN R BEND SLURRY EN BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	C   2   2   1	IEA ICY	ប   		S	С	3373.2	  3-WF3   		
	LN-S/U	•	TC-LANE CLOSURE URBAN STREET		  EA	c		s	с	1	1	1.0	
I-N	l  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	   1	I [EA	c		s	с	1	TC4	1 1.01	
1	1	114215	TC-TRAFFIC CONDITIONS STREET CROSSING ASPHALT, COLD MIX	1	TN		ici			1	TC4	0.1	
I-N			TRAFFIC COND. (XING LANE) STREET REPA		 [ FT					•	  TC4	1   0.1	
NORK FAC			EXIST TAG NEW TAG			CONS	TRUCI	TION	NOTI	 2s			

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ROJECT:	253568	JOB;01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	C&C JOB	1					STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN:	01 NAME	: ROLANI	DO BLK 7G2 T&C JOB 1 STĂTUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	JE: 999-99	99 :	LOCATIO	N 097 OF 58
F-C MU	ID AU ID	   STOCK#		QTY   RQD	l I UM	WRK RSP	RSP	 TRT'	TRT	STANDARD PAGE	TYPE	HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	С		S	С		SR3AS	0.81	
I-N	  BH03XH   	x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	42 32	FT   EA     TN	С	c c	S   		G7453	[C-BC [C-BH [3SWF4	1 1.7    1.7    3.4	
I-N		[X30007	ASPHALT, COLD MIX TRENCH SPOIL 3 FT DEPTH DUMPING FEE	42   11	FT   CY	C	c	S 	i C :		jc−bt		
I-N	' SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	126   8	FT   CY	С	с	I S	i c	G7409	3-WF3   	0.3	
I-N    	AS-M18     	  X20022  114201  114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	30 30 30 1	FT   SF    TN   TN	С		S     	C     		C-BC	 	
I-N	1EB3SI	1249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	i 92 i 92	FT   FT		l c	5 	i i	3376.1	3-WF3	1.3      	
  -N  	1-3SLE   	  322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2 2 1	EA   EA   CY	C	C   C	S   	l C I	3373.2	3-WF3 	0.1	
I-N  [	1-35L8 1 1	321878  656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA	C	   C	S	C 	3373.2	Ì		
[ I-N[	LN-S/U		TC-LANE CLOSURE URBAN STREET	j 1	EA	С			i c		TC3	1 1.01	
I-N	  LN/S/S	i –	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	ÈA	с	i	\$ 	i c	1	TC4	1.0    1.0	
I-N	SAW-CC	I	SAW CUT CONCRETE	j 10	FT	i c	l		C   C	1		1.5	
I-N	CC-WLK	1248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1	EA  CY	с	ŀ	S		1 		1.0	
I-NI	3'HD-#		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	   C 				G7453		7.7	<u>.</u>
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C	1	I S	C   		3-WF3  C-BC	0.31	
I-N1	l l		   SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND, FILL RECYCLED MATLS PREFFERED	20	TN	İ	1	S 	i c	G7405	3-WF3  C-BH		

P001EM2-LOCAL40-001 9/05/17 11:36	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	
ROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
ESIGN: 01 NAME: ROLAN		ACT
	DISTRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-9999 LOCATION 097 OF 58
	DESCRIPTION/CONSTRUCTION NOTES	QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS
I-N   1DB3-S	1-3 IN DE CONDUIT SEC	20 FT  C     S   C  3373.1  3-WF3  0.3    20 FT  [ C
I-N  [R-XCES    [  X30007	EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE	1                       20 FT C    S C     C-DT  0.51   2 CY   C              
	REMOVE/REPLACE LANDSCAPING	1 16 FT  C     S   C     3-WF3  1.6
	CONCRETE 2 SAW CUT AND BREAK MECH	[       1   1   1   4[FT C    \$   C    SR3AS  0.2
	I FINISH CONCRETE SURFACE MAN 12 IN	4   FT   C     S   C     SR3CS
	· · · · · · · · · · · · · · · · · · ·	
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9/05/17 11	:36		SAN DIEGO GAS AND DPSS - DESIGN REVIEW C	0 PY - DE	TAI	L							AGE NO 106
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2								T WO	RK ORDE	R: 2960700
			O BLK 7G2 T&C JOB 1 STATUS										
OCATION: (	)98 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATIO	N 098 OF 58
WRK  F-C MU ID			DESCRIPTION/CONSTRUCTION NOTES							STANDARD   PAGE			
I-NI [	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE		FT   EA   TN	C   	   C   C	S   	C   	G7453   	C-BC  C-BH  3SWF4	[ 0.4] [ 0.4] [ 0.8]	
I-N	1	         X30007   	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 10		i c		S	E C	[	C-DT	[ 0.9] [ 1	
1-N	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 2	FT   CY		     C			(G7409 	3-WE3	0.1  	
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 92 1 92 1 2	FT   FT   CY	i c I I	i c i c		1 C 1 1	3376.1 1		1 1.3  	· ·
IN    	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	.   2   2	E EA	í 1	i I C	 	i C 1	13373_2 1 1		1 1	
I-N	  LN-S/U		TC-LANE CLOSURE URBAN STREET			i c			i c	1		1.0	
I-NI	LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	EA	L C	ι   Γ	S	C	1	JTC4	1.0	
I-N	SAW-CC	i i	SAW CUT CONCRETE	10		i c	[	(S	C	İ.		1.5	
I-N  ]	CC-WLK	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	İÇY	) C   	ł C		C 	i		i 1.0i	
I-N	i3'HD-A	. 1	HAND DIG TRENCH 3 FT DEEP AVE	18	FT	i c	Į				3-WF3	7.0	<u></u>
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	1 C	ł	; s   			3-WF3	0.31 0.31	
I-N	SHD-12	1 1	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	FT   TN 			[ S   		l	C-BH	0.1  0.1  0.1	
I-N]	1	2496641	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18	   FT   FT		•	IS	i c	3373.1 		i 0.3	
1–N    	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		•	i c	1 C	S 	i c		C-DT		
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	14	•	i c		1 1 S 1		-   	3-WF3	[ 1.4]	
I-N	ICC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	•	i c	i	   S 	i c			0.21	
I-N	ICF-H12	1	FINISH CONCRETE SURFACE MAN 12 IN			c		-		I I	  SR3CS		

	42-LOCA 17 11:3								ELECTRIC COPY - DET	AIL			PAG	GE NO 107
PROJEC'	r: 2535	68 JOB:(	)1 REV:0	TYPE	: UD	NAME :	ROLANDO	) BLK 7G2	-T&C JOB	1 .	STA	TUS: ACT	WORK ORDER:	2960700
		NAME: ROI	ANDO BLK 7G2	2 T&C J	JOB 1			STATU	S: ACT					
LOCATI		SHEET: (	2 DISTRICT	CM	DESI		: GEORGE	BONNER					LOCATION	
WORK FUNC			EXIS			TAG			 SEE SHT 12	CONSTRUCTIO	N NOTES			
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<u>.                                    </u>														
	<u> </u>													
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DP001EM2-LC 09/05/17 11		01						GO GAS A GN REVIE	W COP		TAII							I	AGE NO 108
PROJECT: 25		JOB:01							/G2 -T	&C JOE	3 1					STATUS: A		K ORDE	R: 2960700
DESIGN: 01		: ROLAND							TUS:										
LOCATION: C	)99 SHE	ET: 01	DISTRICT	: CM	DESIG	NED BY:	GEORG	JE BONNE	R	÷									N 099 OF 587
WRK   F-C MU ID	AU ID	STOCK#						NOTES		RQD	UM	RSPI	RSP	TIM   TRT	ACC TRT	STANDARD PAGE	CREW   TYPE	EST   HOURS	
	330926 ]	  162690	HAND H QUAZ	OLE 330	9.2 37	"X 26"				1   1	EA   EA	C	l c	S   	С	3309.2	3SWF3 	0.8	
II-N	X09H26 	162690	INSTAL QUAZ								EA EA	ci		S	C	3309.2	  3swf3 	0.8	
  I-N      	1-3SLB	322048   656400	SLUR	DB 90 CONDUI RY MIX,	T DB 3	IN 90				 	EA	i	C C						
  I-N	   PLANTU		REMOVE.	/REPLAC	E LAND	SCAPING	3					c		   5			  3-WF3		`
		····				-							,	•					
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DP001EM2-LOCAL40-001 09/05/17 11:36		SAN DIEGO GAS AND F DPSS - DESIGN REVIEW CC	OPY - DETAIL				PA	GE NO 109
PROJECT: 253568 JOB:01 B	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -	-T&C JOB 1		STATUS: ACT	r woe		
DESIGN: 01 NAME: ROLANDO E	BLK 7G2 T&C JOB 1	STATUS:						
LOCATION: 100 SHEET: 01 DIS		NED BY: GEORGE BONNÊR						100 OF 587
WRK  ]      F-C MU ID  AU ID  STOCK#				RSPITRTITRT		TYPE	HOURS	
I-N   1EB3SL;   1       1249664       656400	1-3 IN EB CONDUIT S	LURRY ENCASED 0 FT LENGTH	91 FT  C 91 FT  2 CY	S   C   C	3376.1   	3-WF3	1.3	
I-N   1-3SLB    1	SLURRY MIX, 1 SAC	K SAND	2 EA  C [ 2 EA] [ 1 CY]	S   C [ C [	3373.2 	[3-WF3   	0.1(	
WORK FAC FUNC CODE DESC				TRUCTION NOT	ES			
·		SI	EE SHT 12					
·		· · · · · · · · · · · · · · · · · · ·						
		· · · · · - · -						

ROJECT: 25	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				ŝ	STATUS: AC	T WO	RK ORDE	R: 2960700
			0 BIX 762 TEC TOB 1 STATUS-	ACT									
OCATION: 1	LO1 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	VE: 999-99	99	LOCATIO	N 101 OF 587
WRKI	1	1 1		OTY	1	WRK	MAT	TIM	ACC	STANDARD PAGE	CREW	EST    HOURS	
I-N	BH03XH	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	40   30   1	FT   EA   TN	C	c c	S	C   	G7453	C-BC   C-BH   3SWF4	1.6    1.6    3.2	
I	I	    X30007  	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	40 10	FT   CY	c	С	S	i c I		C-DT	3.5	
Ĭ <b>-N</b>   	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	120   7	FT	1 3		S	i c	G7409		1 I	
I-N	IAS-2CT	i i	ASPHALT 2 SAW CUT AND BREAK MECH	i 30	FT	C				l	  SR3AS 	0.8	
I-N    	AS-M18     	[  X20022   114201   114202	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	30   30   3	FT   SF   TN   TN	C   		   	C     	     		2.01	
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	55 55 2	FT  FT  CY	ĺ		S	 	3376.1	• •		
I-N    	1-3SLB	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2	EA  EA  CY	   C   		S 	C   	3373.2			
I-N	SAW-CC		SAW CUT CONCRETE	j 10	FŤ	Ū		5	( C	T	SR-3C	1.5	
I-N[ [		  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 I 1	EA  CY	   C 	i I C	s	C	E M		1.01 1 ]	
I-N	LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	i 1	EA	C C		   S	i c	E	TC3	1.0	
I-N	  LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	і   С 			•		TC4	1.01	
I-N		i i	SAW CUT CONCRETE	i 10	FT	I C		Ş	1   C 		SR-3C	1 1.5	
I-N	CC-WLK	  248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1	EA  CY	C	i i c	S	C		[SR3CS	1 1.0	·
I-NI	  3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	] FT	Ċ	l	\$	I C	G7453	(3-WF3		
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	i 20	FT 	   C 		្ទ	l C	]	*	1 0.3    0.3	
I-NI		    611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20	FT   TN	i c I	i C	S	i c	G7405		0.1 0.1	

DP001EM2-LO 09/05/17 11	:36					SAN I SS - DI	ESIGN	GAS AND REVIEW (	COPY	- DE	TAII								PAGE NO 111
PROJECT: 25																			R: 2960700
DESIGN: 01								STATU											
LOCATION: 1															PHO	VE: 999-99	99 1	LOCATIO	N 101 OF 587
WRK1  F-C MU ID	  AU ID	STOCK#		DESCRIPT	ION/CONS	TRUCTIO	ON NO	res		RQD	[UM	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
I-N	1 1.	 249664 [	1-3 IN COND	UIT DB 3	IN 20 F	T LENG	ΓH		   [	20 20	FT     FT	С		S   	С	3373.1	1	0.3	
	1 1	X30007	EXCESS DUMP	TRENCH ING FEE	SPOIL (	12 IN 1	DEEP)		] [ 	20 2	CY	C		S	с		[ [C-DT [	0.51	
			REMOVE	/REPLACE	LANDSCA	PING			1	1	FT	С	E	S	С	l	3-WF3	0.1	
I-N			CONCRÉ	te 2 saw	CUT ANI	BREAK	MECH	H	1	1	FT	C	1	S     S   	С	l	ISR3AS	I 1	
			FINISE	CONCRET	E SURFAC	e man	12 1	IN									SR3CS		
			<u>`</u>						SEE S	SHT 1.	2								
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			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2										R: 2960700
			DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 102 OF 587
	 I								ACC	STANDARD	CREW	EST	
F-C MU IE			DESCRIPTION/CONSTRUCTION NOTES	RQD	UM   	RSP	RSP	TRT   +	TRT	PAGE +	TYPE	HOURS   }+	
1-N	13'HD-A		HAND DIG TRENCH 3 FT DEEP AVE			С						12.0	
I-N	) BKF-3'	i i	BACKFILL TRENCH 3 FOOT DEEP	i 32	FT	c		S	C	[ [	3-WF3  C-BC	1 0.51 1 0.51	
I-N    			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	i 32 I 2		с			с	G7405   	3-WF3   C-BH   C-DT	) 0.1  ] 0.1  ] 0.1	
I-N[	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	i 32 i 32	FT     FT		с	S	C	(3373.1 (	[3-WF3	i î	
I-NI	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 32 i 3		С		S   	¢	 	ic-dt	i 0.8	
I-N	CC-2CT	ļ ļ	CONCRETE 2 SAW CUT AND BREAK MECH	32	FT	С		S	i C	1	I SR3AS	1 1.3  	
I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	1 32	FT	С		   S	i C	1	SR3CS	0.1	
I-N    		I I	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i 6 1 1	FT     EA     TN		C	S   S 	i c 1	1G7453 1 1	IC-BC IC-BH I3SWF4	1   0.3    0.3    0.6	
I-N! !	REM3'		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 7 1 2	  FT   CY  	С	Ç	S     S	1	1 1			
I⊷N¦	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 21 1 2		С		5	i c	G7409 	3-WF3 	i i	
I-NI	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	7   7   1	FT     FT     CY	С	C C	 	i c I	3376.1 1	1	i i,	<u></u>
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	j 1	EA	Ç			i c	i		i 1.0i	
i I-N!	  LN/S/S	• •	LANE CLOSURE URBAN ST (STREET REPAIR)	-				   S			•	   1.0	
WORK FA FUNC COL			EXIST TAG NEW TAG		 C	ONS	rruci	TION	NOTI	ES			
			S	EE SHT 1:	2								

ROJECT: 25	53568 JOE	B:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	-T&C JOB	1								R: 2960700
ESIGN: 01	NAME: 9	ROLAND	0 BLK 7G2 T&C JOB 1											
	103 SHEET:	: 01 :		GNED BY: GEORGE BONNER									LOCATIO	N 103 OF 5
WRK  F-C MÜ ID	I I IAU ID [ST	 TOCK#	DESCRIPTION/	CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TIM A TRT 1	ACC   FRT	STANDARD PAGE	CREW    TYPE	HOURS	
I-N	3'HD-A]	÷	HAND DIG TRENCH 3	FT DEEP AVE	17	] FT	( C		SI	C I	G7453	3-WF3	6.61	
Ľ−N [ 	3KF-3 '   	1 1	BACKFILL TRENCH 3	FOOT DEEP	17	FT	C	[ ]	S	ĊΙ		  3-WF3  C-BC	0.31 0.31	
I-N	6	1 11492   	SHADE TRENCH WITH SAND, FILL RECY	SAND - 12 INCH WIDTH CLED MATLS PREFFERED	17   1	FT   TN 		   C   	S [ [		G7405	  3-WF3  C-BH  C-DT	0.1) 0.1) 0.1)	
1-N	[24	49664	1-3 IN DB CONDUIT CONDUIT DB 3 IN	SEC 20 FT LENGTH	17   17	[ FT   FT	C 	   C	S I	C ]	3373.1	  3-WF3   	0.3	
I-N	R-XCES		EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)	17	FT   CY	l C l	   c		с I 		C-DT 	) 0.4  ]	
					1								1 1	
WORK FA	  PLANTU  	] [		TAG	   17 SEE SHT 1	FT 	l C	[ [	S	с і	· · · ·	[ !3-WF3		
I-N WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-N WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-NI WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-N WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-N WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-N WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-NI WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			
I-NI WORK FA	  PLANTU  	] [	REMOVE/REPLACE LAN	TAG	[ 17	FT 	l C	[ [	S	с і	· · · ·			

P001EM2- 9/05/17	11:36		1				SAN DIE DPSS - DESI	igo gas and Ign review (	ELECTRIC COPY - DE	TAII							P	AGE NO 114
ROJECT:	253568	J					NAME: ROLAN									T WOI	RK ORDE	R: 2960700
SIGN: 0	1 NA	AME :	ROLAND	O BLK 7G2	T&C JO	в 1		STATUS	S: ACT									
			T: 01	DISTRICT:	CM 2	DESIG	NED BY: GEOR	RGE BONNER						PHO	NE: 999-99	99 1	OCATIO	N 104 OF 587
RK  -C MU I	D   AU	ID	STOCK#				CONSTRUCTION		RQD	UM	RSP	RSPI	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
-N	342	1-1   	 514240	PAD 342 PAD 1	1 1-PHA	SE TR	ANSFORMER / 3-PHASE F.			EA  EA	С		S	i c	3421.1	3-AF4 	0.4(	
-N	   X-X	F1P		PAD PRE	P 3421	PAD (	1-PHASE TRAN		1		C		s	C	1	  3swf3 	0.4	<u>,                                    </u>
-N		T-₩  	1	WIRE :	GRD WIR BARE CO	E W/C PPER	RODS (TRANS #2-7 STR SOL	S/CAP) T DRAWN	1   8	EA  LB	С		s	с Г	4510.1		0.2[	
[-N]   	l I	SLB    	3220481 6564001	1-3 IN BEND SLURR	CONDUIT	DB 3	IN R BEND SLU 3 IN 90 D 36 IK SAND		7   7	EA  EA  CY	С		s	C   	3373_2   	3-WF3	0.4	
[-N]   		PER	2482051	TRAFFIC CONCR	ETE - 6	SACK	PERMANENT ( (3/4" ROCK 188 WALL PLA	MIX)	2   1	CY	Ċ	С	s	i c I	3481.1 	SR3CS   	L I,	
ORK F. UNC CO		ESC		ÈXIST	TAG	NEW	TAG				CONST	IRUCI	ION	NOTI				
I	PD PA	AD				D218	227	S	SEE SHT 1	2								
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			REV:0 TYPE: UD								5	TATUS: AC	T WOF	K ORDE	R: 2960700
ESIGN: 01			0 BLK 7G2 T&C JOB 1		STATUS: A	CT 									
OCATION: 1	.05 SHEI	ET: 01	DISTRICT: CM DESI	IGNED BY: GEORGE BC	NNER						PHON	JE: 999-99	99 1	OCATIO	105 OF 58
WRK  F-C MU ID	AU ID	STOCK#		CONSTRUCTION NOTES							TRT	STANDARD PAGE	TYPE	HOURS	
I-NI	3'HD-A	i t	HAND DIG TRENCH	3 FT DEEP AVE				C			i c i	G7453	3-WF3	6.61	
I-Ni	BKF-3'		BACKFILL TRENCH 3	FOOT DEEP	1			i c			с		3-WF3   C-BC	0.31	
I-N	1	611492  	SHADE TRENCH WITH SAND, FILL RECY			1	TN		   C   			G7405	  3-WF3   C-BH    C-DT	0.1  0.1  0.1	
I-N	1	2496641	1-3 IN DB CONDUIT CONDUIT DB 3 IN			17 17	FT	Ç	i c i		C I	3373.1	3-WF3  	0.3	
I-N	R-XCES	X30007	EXCESS TRENCH SPO DUMPING FEE	IL (12 IN DEEP)		17 2	FT  CY	I C	C	S	C I		C-DT	0.4	
	CC-2CT		CONCRETE 2 SAW CU	I AND BREAK MECH	l I	17	FT	C		S	C		I SR3AS	0.71	
ĩ-N	  CF-H12		FINISH CONCRETE SU	JRFACE MAN 12 IN	ł			¢			   C		I ISR3CS		
WORK FAC FUNC CODE			EXIST TAG NEW	N TAG				CONS	IRUCI	CION	NOTI	S			
					SEE	SHT 1	2								
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						_									
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9/05/17	11:36		SAN DIEGO G DPSS - DESIGN R 	EVIEW COPY - DE	TAI	L				······			
OJECT:	253568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO B	LK 7G2 -T&C JOB	1				-				R: 2960700
SIGN: 0	1 NAME:	ROLAND	0 BLK 7G2 T&C JOB 1	STATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE B						PHOI	ie: 999-99	99 1	LOCATIO	N 106 OF 58
rrk  F-C MU I	D IAU ID	stock#	DESCRIPTION/CONSTRUCTION NOTE							STANDARD PAGE			
[—]] [	3'HD-A	I	HAND DIG TRENCH 3 FT DEEP AVE	40	FT	l C		\$	ΕĊΙ	G7453	[3-WF3	14.9	
E	BKF-3'	 	BACKFILL TRENCH 3 FOOT DEEP	40	F <b>T</b> 	Ċ L		S 			3-WF3  C-BC	0.6	
:-N     	1 1	611492	SHADE TRENCH WITH SAND - 12 INCH WI SAND, FILL RECYCLED MATLS PREFFE	DTH   40 RED   3	FT   TN 	1	С	S   	C   	G7405	  3-WF3  C-BH  C-DT 	0.1	
-N	i I	2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	40	FT	ic	с	: S !		3373.1			
-N]		  x30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	40	FT  CY	; C 	i c	S 	i c		  C-DT   	L I,	
-N	CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	40		i c		s				1.6	
-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	40	FT	l c	l	S	ίC		SR3CS		
-N  	1 1	x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 6   5   1	FT   EA   TN	i c 	C   C	\$   	ic I I	G7453	C-BC	0.21	
	REM-3'	  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	6	] FT ] CY	   C 	i I C	S 	I C			0.5	
-N[ 	1	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN SLURRY MIX, 1 SACK SAND	DEEP   18	FT   CY		i I C	S 	іс. 1	G7409		1 1 <sup>°</sup> 1 1	
[     	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 6 1 6 1 1	FT   FT   CY	C		S   	1 C   	3376.1	3-WF3   	0.1	<b>.</b> .
-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	l C	[	S	I C		]   TC3	1.0	· •
-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAI	R)   1	   EA	l C	1	I S	i c		  TC4	1 1.0	
ORK F UNC CO	TAC DE DESC		exist tag new tag	<u></u>		CONS	I'RUC'	TION	NOTI	IS			
				SEÉ SHT 1	2								

JEĈT: 253568			TYPE:	: UD												S: AC		RK ÓRDI	ER:	2960700
SIGN: 01 NAME							STATU		 :T											
CATION: 107 SHE																				
					BI	: GEORGI					,									J/ UF 58/
CIMU ID IAU ID	STOCK#	DE						Ì	RQD	UM   F	RSPIE	RSP   '	TRT	TRT	PAG	GE	TYPE		i	
-N   1EB3SL     	1	1-3 IN E CONDUI SLURRY	B CONI	DUIT : 3 IN :	SLURRY 20 FT I	ENCASED ENGTH			109 109 3	FT   FT   CY	C	с   с	S   	C     	3376.	.1	3-WF3 	1.5   	 	
N   1-3SLB	322048	1-3 IN D BEND C SLURRY	ONDUI	T DB :	3 IN 90	11 36 C			2 2	EA   EA	C	c	S	C   	3373	. 2	3-WF3	0.1	i	
NK FAC NC CODE DESC		ÉXIST	TAG	NÊŴ	TAG					cc	ONSTR	NUCT	ION	NOTE	s					
								SEE S	SHT 12	2										
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									· · · · · · · · · · · · · · · · · · ·			· · · · · ·								

DP001EM2-LO 09/05/17 11	:36	01	DE	SAN DIEGO GAS AND PSS - DESIGN REVIEW C			ļ					P	AGÉ NO 118
PROJECT: 25		JOB:01	REV:0 TYPE: UD NA							STATUS: AC			R: 2960700
DESIGN: 01			0 BLK 7G2 T&C JOB 1	STATUS	5: ACT								
LOCATION: 1			DISTRICT: CM DESIGNED							ONE: 999-99			N 108 OF 587
	AU ID	STOCK#	DESCRIPTION/CONS	STRUCTION NOTES	RQD		WRK RSP	MAT   1  RSP   1	IM   AC	C STANDARD T  PAGE	CREW  TYPE	EST    HOURS	
	3'HD-A	i i	HAND DIG TRENCH 3 FT	DEEP AVE	18	FT	с	1	sic	-+  G7453	3-WF3	7.01	
I-N[	  BKF-3' 	i i	BACKFILL TRENCH 3 FOOT	I DEEP	i 18	FT	C		sic	i	  3-WF3  C-BC	0.31	
		  611492  		D - 12 INCH WIDTH D MATLS PREFFERED	18   1	FT     TN	C	C   	s i c	[G7405	[C−BH [C−DT	0.1  0.1  0.1	
	1DB3-S 	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 B		18   18	FT   FT	Ċ	I C I	s i c	13373_1	I	0.3  	
	R-XCES	X30007	EXCESS TRENCH SPOIL ( DUMPING FEE	(12 IN DEEP)	18   2	FT   CY	¢		\$   C 	. 1 1	  C-DT 	0.5	
	i I plantu	!     !	REMOVE/REPLACE LANDSCA	APING	18			l I [			  3-WF3		
FUNC CODE	DESC		EXIST TAG NEW TAG		5EE SHT 1		CONS	TRUCT	ON NO	TES 		<u> </u>	
·	· · · ·				<u> </u>								
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	3568 3	JOB:01	REV:0	TYPE:	UD NA	ME: ROLAN	NDO BLK 7G2 -	-T&C JOE	8 1				S	TATUS: A		RK ORDE	R: 2	960700
SĭGN: 01	NAME	ROLAND	о вік 7G2	T&C JOB	5 1		STATUS:	ACT										
CATION: 1	09 SHEI	ST: 01	DISTRICT:	CM D	ESIGNED	BY: GEOR	RGE BONNER							E: 999-9				
IRK  F-C MU ID	  AU ID	  STOCK#		ESCRIPTI	on/cons	TRUCTION		QTY   RQD	UM [	WRK RSP	MAT   RSP	TIM   TRT	ACC   TRT	STANDARD PAGE	CREW  TYPE	EST    HOURS		
Ì	330926 	  162690	HAND HO QUAZI	LE 3309.	2 37"X	26" X 26"			EA     EA	с	[ [ 0	ເຣ   [ ເຣ	с   	3309.2	35WF3 	0.8  	·	
-N.	X09H26 	162690	INSTALL QUAZI					1   1	EA   EA	С	   C	1 1	C [	3309.2	1	0.8		
[-N]	1-35LB 		1-3 IN BEND	CONDUIT	DB 3 IN	90 D 36		1 4	EA   EA	C	1   C		C [	3373.2	1			
	   PLANTU		REMOVE/					   1				   S			  3-WF3			
VORK FAC FUNC CODE			EXIST	TAG	NEW TAG				C	CONS	IRUC:	TION	NOTE	:s				
							SE	CE SHT 1										
	······																	
	······································													· · · · · · · · · · · · · · · · · · ·				
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Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				5	STATUS: AC	T WOF	K ORDE	R: 2960700
ESIGN: 01	NAME	: RÒLAND	O BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999 I	OCATIO	N 110 OF 58
WRK  F-C MU ID	I IAU ID	  stock#		QTY   RQD	i IUM	WRK  RSP	MAT  RSP	TIM  TRT	TRT	STANDARD   PAGE	TYPE	HOURS ]	
I-N [	BH03XH	++      X20201   114215  	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	15   12   1	FT   EA   TN	C   	   C   C	S     		(G7453   	C-BC    C-BH    3SWF4	0.61 0.61 1.21	
I-N!	  REM-3'	        X30007	TRENCH SPOIL 3 FT DEPTH DÚMPING FEE										
1	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 45 1 3	FT  CY	C 	   C	S 	1 C 1	G7409	3-WF3	0.1	
1	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX. 1 SACK SAND	61   61   2	FT   FT   CY	I C I		S   	C   	3376.1   	3-WF3	0.9	
1	l	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA  EA  CY	C   		( S [ ]	C   	3373.2   	3-WF3	0.1  	
	1-3SLS   	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	2   2   1	EA   EA   CY	i c I			C   	3373.2   	1		
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1	EA	i c	1	S	   C 	Í	TC3		
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	-	EA	¢	i	15	i c	ĺ	TC4	1.01	
I-N		i i	SAW CUT CONCRETE	i 10	FT	c	i –	S 	iα	İ	SR-3C	1.5	
I-N	ICC-WLK	1	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	IEA ICY	i c	   C	S	i c	l I	SR3CS	1.01	· · · ·
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	i 18	FT	i c	÷.	S	[ C	[G7453		7.0	
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	iFT 1	ic	i I	S   	і С І	I I	3-WF3   C-BC	0.3	<u> </u>
			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	18   1	FT   TN 	C I I	   C	S   	I C I I	G7405   	3-WF3  C-BH  C-DT	0.1) 0.1) 0.1)	
1	1	[249664]	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	3	  FT  FT 	I C	C	I S	1 Ç 1	3373.1	13-WF3		
I-N	1DB3PS 	  322144	1-3 IN DB 22.5 D 25 FT R BEND PRI BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2   2	EA  EA	i C	i	Ś	j Ç	1 ]3373.2   	13-WF3	0.1	
I-N			EXCESS TRENCH SPOIL (12 IN DEEP)							l I			

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELECTRIC PAGE NO 121 DPSS - DESIGN REVIEW COPY - DETAIL
PROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLAN	
LOCATION: 110 SHEET: 02	DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 110 OF 587
WRKI I I F-CIMU ID IAU ID ISTOCK	
X3000"            I-N    PLANTU	7  DUMPING FEE   2 CY    C   [                     [ [             REMOVE/REPLACE LANDSCAPING   18 FT  C     S   C     3-WF3  1.8
WORK FAC	EXIST TAG NEW TAG CONSTRUCTION NOTES
	SEE SHT 12

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ROJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1					STATUS: AG	CT WOR	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 111 OF 58
WRK  F-C MU ID	  AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	l IUM	WRK  RSP	MAT  RSP	TIM   TRT	ACC	STANDARD   PAGE	CREW  TYPE	EST   HOURS [	
I-N    	1BH03XH 1 1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	40   30   1	FT   EA   TN	C   	   C   C	S   	C   	G7453   	C-BC  C-BH  3SWF4	1.6  1.6  3.2	
I-N	1	[ [ [X30007[	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	40 10	  FT  CY		     C	IŚ	C 		C-DT	3.5	
I-N  	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	] 120	111	Ç	l .	S	C	]G7409 ]	3-WE3	Q.Z  	
 I-N	AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	1 30	FT	I C	[	l S	I C	1	  SR3AS	0_8	<u> </u>
I-N     	 -[ 		ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	30   30   3	FT   SF   TN   TN	[ _ ] [		5     	C     	1 1 1	  C-BC  \$R-3A   	2.0	
I-N  	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	97	[FT  FT	C 	1 1 C	5	C 	  3376.1 	  3~\#F3   		
I-N	1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	+ 2   1	IEA ICY		с ГС ГС	1	   	İ.	i I		
I-N			SAW CUT CONCRETE	10	FT	υ			( C	1		1.5	
I-N	1	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1	EA  CY	C	l I C	S	i c I	1	   SR3CS   	1.01	
1-N[		• •	TC-LANE CLOSURE URBAN STREET	1 1		C	:	\$   \$	C	1	1 TC3	1.0	
I-N			LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	i c	İ.	   S 	C	l.	I I TC4 I	1.0	
[-N]		1 1	SAW CUT CONCRETE	1 10	FT	C	Ì	S 	I C	1	I SR-3C	] 1.5	<del></del>
I-N	CC-WLK	  248205[	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1 i 1	EA  CY	i c I	i I c	S	l C I	1	SR3CS	1 1.0  	
1 1-N1	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	1 35	FT	C	[		i c	]G7453	13-WF3	13.1	
	i -	i i	BACKFILL TRENCH 3 FOOT DEEP	35	FT	c	i r	i s	ГС I		3-WF3  C-BC	0.5    0.5	
I-N    	SHD-12 	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	35   2	$  \mathbf{FT}$	1 C [	C	[ S [	l C l	G7405 		0.1    0.1	

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			REV:0 1			ROLANDO BLK 7G2	-T&C JOB							T WOI	RK ORDE	R: 2960700
SIGN: 01	NAME	ROLANE	о вік 7g2 та	C JOB 1		STATU	5: ACT									
		ET: 02		DESI	GNED BY:	GEORGE BONNER									LOCATIÓ	N 111 OF 58
VRK  F-C MU ID	AU ID	  STOCK#	DESC		CONSTRUC				WRXI RSPI	MAT   RSP	TIM  TRT	ACC	STANDARD PAGE	CREW	HOURS	
i [	i 11083-s	<del>1</del> 	1-3 IN DB CONDUIT			NGTH	35	FT	1	C 1	S I	1	3373.1	1	0.5	
	R-XCES	X30007	EXCESS TRE DUMPING		L (12 I	N DEEP)	35   4	[FT] [CY]	C	: ;	S	C		  C-DT   	0.9	
(-N	PLANTU		REMOVE/REF	PLACE LAN	DSCAPING	-	3	] FT	С	Í	S	CI		3-WF3	0.3	
		1 1	CONCRETE 2	2 SAW CUT	AND BRE	ak mech	32	] FT [	С	Í	S	CΙ		   SR3AS 	1.3	
E-N		i i	FINISH CON		RFACE M	ian 12 In			С					I SR3CS	•	
			EXIST TF				SEE SHT 1:		CONS1	rruc1	'ION	NOTE	:S			
	E DESC						SEE SHT 1:			"RUC1	'ION	NOTE	:s 			
	E DESC						SEE SHT 1:					NOTE	:S			
	E DESC						SEE SHT 1:					NOTE				
	E DESC						SEE SHT 1					NOTE	S			
	E DESC						SEE SHT 1					NOTE	S			
	E DESC						SEE SHT 1:					NOTE	S			

DP001EM2-LOCAL40-001 SAN DIEGO GAS AND EL 09/05/17 11:36 DPSS - DESIGN REVIEW COP	
PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T	
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS:	ACT
LOCATION: 112 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-9999 LOCATION 112 OF 587
WRK	QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS
I I I I I   I I I I I I   I I I I I I   I I I I I I	
WORK FAC FUNC CODE DESC EXIST TAG NEW TAG	CONSTRUCTION NOTES
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ROJECT: 25	3568	JOB:01 	REV:0	TYPE:			DLANDO BLK								STATUS: AC	T WOF	K ORDE	R: 296070
ESIGN: 01							S7	TATUS: A										
OCATION: 1						ED BY: C	GEORGE BONN	1ER							NE: 999-99	99 I		N 113 OF
	AU ID	STOCK#	D	ESCRIPT	ION/CC	NSTRUCTI	ION NOTES	Í	QTY ROD	I I MUI	WRK RSP	MAT     RSP	TIM  TRTI	ACC TRT	STANDARD	TYPE	HOURS	
I-N	AS-2CT	'i i					к месн		400	i FT (	с	i i	s I	С		SR3AS	10.4	
I-N	BH04XH	X20201  [114215]	TRAFF	IC BEAR	ING ST		BACKHOE FE	İ	410 410 4	EA   TN	С	   C     C	S   	С	G7453 	C-BC  C-BH  3SWF4	20.5  20.5  41.0	
I-N	1		DUMPI	SPOIL NG FEE	4 FT D	epth		i	140	] FT	С	C	S		   	C-DT	49.2	
I-N	SLR-18		BACKFIL SLÜRR				K 12 IN DEH	Ì		FT   CY	С		5		G7409	3-WF3   		
I-N	AS-M18     	X20022   114201   114202	ASPHALT GRIND ASPHA ASPHA			MECH 1 . SF)	18 IN	   [	400 400 36 9	FT   SF     TN     TN	С			-	,       	[С <b>-</b> ВС	26.8	
I – N [	1EB3SL	2496641  6564001	1-3 IN CONDU	IT DB 3	IN 20	FT LENG	CASED GTH	i	400	FT ]	С	   C   C	S   	С	l	  3-WF3 		
I-N	1	322048	BEND	CONDUIT	DB 3	IN 90 D	SLURRY ENG 36 IN R	1	2 1	EA     EA     CY				С	3373.2	  3-WF3 		
I −N [	LN-S/U		TC-LANE	CLOSURI	e urba	N STREET	1	1			С	i	ទ		ŀ		1.0	
1	   LN/S/S	1 4					ET REPAIR)	1		EA	¢		• •	С	•	  TC4	1.0	
WORK FAC FUNC CODE			EXIST	TAG	NEW 1	'AG					CONS	TRUC:	TION	NOT	 Es			
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9/05/17 11	:36												
ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: AC	T WO	RK ORDER	R: 2960700
	NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	VE: 999-99	99	LOCATIO	N 114 OF 587
WRK  F-C MU ID	AU ID	   stock#	DESCRIPTION/CONSTRUCTION NOTES	I QTY I RQD		WRK RSP	MAT	TÍM TRT	ACC	STANDARD PAGE	CREW   TYPE	EST    HOURS	
T-NI	1000200	i I	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 20	FT     EA     TN	l C l	C C	S	(C)	G7453   	C-BC  C-BH  3SWF4	0.81	
I-N   [	]REM-3' ]		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	I 20 I 5	  FT   CY	C		S.	C		C-DT	1 1.8	
I-N	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 60 1 4		l C		S	1 C	G7409	3-WF3	1 0.1  1 1	
	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 80   80   2	FT   FT   CY			5	C 	3376.1   	3-WF3	1.1	
I.	[ [	322048  1656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA   EA   CY	I C	1	I S	I C	3373.2   	  3-WF3   		
I-N	  LN-S/U	 1	TC-LANE CLOSURE URBAN STREET	1	EA	С	1 :	s	l C		TC3	1.01	
I-N	LN/S/S	1 1	LANE CLOSURE URBAN ST (STREET REPAIR)	į 1		c	l i				TC4	   1.0  	
I-N		i i	SAW CUT CONCRETE	1 10	FT	l I C	1 '	İŚ	   C 		SR-3C	1,51   [	
I-N	1	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1	IEA	   C 	I	IS	i C	     	SR3CS	1 1.01	
1-N[	13'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	1 20	FT	l C I		l S	l C	G7453	[3-WF3	1 7.71	
I-N I	  BKF-3'   	     	BACKFILL TRENCH 3 FOOT DEEP	4		I C			l C	1	3-WF3  C-BC	0.3	
I-N! 	SHD-12 	  611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	2	TN 	Ì	i c I	 [	I C	G7405   	3-WF3  C-BH  C-DT	0.1    0.1	· · · ·
I-N		2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	20	FT	i c I	i I c	S	jc	3373.1	3-WF3	0.31	
I-N]	R-XCÉS 	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	FT  CY	1 C 1	I C				1		<u></u>
1 I-N1	   PLANTU		REMOVE/REPLACE LANDSCAPING	20	l [TT]	I C	1	I Ş	.   C	 	  3-WF3		

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CONSTRUCTION NOTES

SEE SHT 12

OP001EM2-LC 09/05/17 11	CAL40-00 1:36	01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	LECTRIC PY - DE	TAI								AGE NO 127
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -										R: 2960700
			0 BLK 7G2 T&C JOB 1 STATUS:										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999	LOCATION	115 OF 587
WRK]  F-C MU ID	AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	l I UM	WRK RSP	MAT   RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
I - N	15 ED-A		HAND DIG TRENCH 3 IT DEEP AVE	20	I F.T.	L C	1	5	C C	G/453	3-WE3	1 7.7	
I-N	BKF-3'	i i t 1	BACKFILL TRENCH 3 FOOT DEEP	20	FT 	Ċ		S 	С	   	3-WF3  C-BC	0.3    0.3	
I-N   	1	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20   2	FT   TN 	i C I	   C 	S   	С	G7405   	3-WF3  C-BH  C-DT	0.1    0.1	
I-N		249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	20 20	FT	С	   C	S 	С	3373.1	3-WF3 	i i	
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEE?) DUMPING FEE	i 20 I 2	CY	C	   C	E		   	  C-DT 		
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	•	   FT	C I		IS	С			0.1	
I-N[		i i	CONCRETE 2 SAW CUT AND BREAK MECH			(   C	l	15	l C	,	I SR3AS		
I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	i 1		, C	1	1   S		•			
I-N	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 5	EA   TN			1 S 1	l F	G7453 	C-BH	0.2	
[ ]-N[	REM-3 ' 	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	   5   2	  FT  CY	   C 	   C	] ] S ]	с	E E E	IC-DT	0.4]   1	
[   I-N [	IS⊡R-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT  CY	C 	1 1 C	1 S 1	Ċ	G7409 	3-WF3 	   [_	
	i 1EB3SL i i	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 5 i 5 i 1	FT  CY	i c I	1 1 C 1 C	1	C	3376.1 	]	0.1      	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET		  EA	C	1	15	C	<b>I</b> [		i 1.0j	
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)				i				TC4		
I-N		i i	SAW CUT CONCRETE	[ [ 10	FT	C	[	l I S	С	Í	ISR-3C	1.51	
I – N     I – N	CC-MTK	      248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	   1   1	  EA  CY	   U 	ו נ ע	   S 	с	   	I SR3CS	[   1.0 _ 	

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## CONSTRUCTION NOTES

## SEE SHT 12

)JECT:	253568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 70	52 -T&C JOB	1								R: 2960700
IGN: (	01 NAME		0 BLK 7G2 T&C JOB 1	STA	TUS: ACT									
ATION:	: 116 SHE	ÉT: 01	DISTRICT: CM DESIG	ENED BY: GEORGE BONNER	R								LOCATIO	N 116 OF 587
-C MU I	 ID  AU ID	STOCK#		CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TIM   TRT	ACC TRT		CREW   TYPE	HOURS	
-N	3'HD-A	I I	HAND DIG TRENCH 3	FT DEEP AVE	20	] FT	CΙ		S [	С	G7453	3-WF3	7.7	
-N	   BKF-3 ' 	i i	BACKFILL TRENCH 3 F	FOOT DEEP	1 20	FT   	C   		S   	С	l 1	[ [3-WF3 [C-BC	0.3	
[-N	SHD-12		SHADE TRENCH WITH S SAND, FILL RECYC		1 20	FT     TN	¢   	с	   S   	С	G7405	  3-WF3  C-BH  C-DT	0.1  0.1	
[-N]	I	249664	1-3 IN DB CONDUIT S CONDUIT DB 3 IN 2		20	FT]  FT]	C I	с		С	3373.1	1	0.3	
I-N   	R-XCES	X30007	EXCESS TRENCH SPOID DUMPING FEE	L (12 IN DEEP)	20	FT   CY	C I	с	S   [	с		  C-DT   	0.5i	
I-N	PLANTU	• •	REMOVE/REPLACE LANI	DSCAPING	1	FT	C		S     S	¢	İ	3-WF3	0.11	
(-N)	ICC-2CT	1 1	CONCRETE 2 SAW CUT	AND BREAK MECH	i 1	FT	c		15	С	l	SR3AS	I I	
I-N	I ICF-H12		FINISH CONCRETE SUF	RFACE MAN 12 IN					   S			  SR3CS		-
VORK I FUNC CO	DDE DESC		EXIST TAG NEW	TAG	SEE SHT 1		ONSI	ERUC:	rion	NOT	E.S .			
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ROJECT: 25		JOB:01		TYPE:		E: ROLANDO									CT WOI		R: 2960700
SIGN: 01								S: ACT									
CATION: 1		ET: 01	DISTRICT		DESIGNED !	BY: GEORGE											N 117 OF 58
	AU ID	  STÖCK#		DESCRIPT	ION/CONST	RUCTION NO	DTES	QTY	1	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
	330926	, , 1 I	HAND H	IOLE 3309		6" X 26" "		i	1   EA	i c i	i i	s i	ci		3SWF3	0.8	
I-N	X09H26	162690	INSTAI QUAZ		IION/REMO 37"X26"26			1	1   EA	C		s	С	3309.2		0.8	
I	1-3SLB 	322048[	1-3 IN BENI	CONDUIT	DB 3 IN 1	BEND SLURR 90 D 36 IN	RY ENC IR	t T	4   EA 4   EA			S	СI		I	0.21	
	1	l F			1 SACK SAI	ND ING				[ ]					    3-WF3	i i	
ORK FAC	·																
UNC CODE	DESC		FYTS	T TAG	NEW TAC				(	CONST	FRUCT	ION	NOTE	s			
			D2115		1120 1110												
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2001EM2-LOCAL40- 2/05/17 11:36					SAN DIEG PSS - DESIG				AIĹ								AGE NO 130
OJECT: 253568	JOB:01				AME: ROLANI										T WOI	K ORDEN	R: 2960700
SIGN: 01 NAM	E: ROLAND	O BLK 7G2	TAC JOE	31		STATU	JS: AC	т									
CATION: 118 SH	EET: 01	DISTRICT:	CM I	DESIGNE	D BY: GEOR	JE BONNER							PHÓN	E: 999-99	99 J	OCATIO	N 118 OF 58
IRK     F-CIMU ID  AU ID	   STOCK#	. I	ESCRIPTI	ION/CONS	STRUCTION 1	NOTES	[	QTY ! RQD	 תעו	RSPI	RSP	TRT[	ERT [	STANDARD PAGE	TYPE	HOURS	
I-N   1EB3S	L     249664	1-3 IN CONDU SLURF	EB CONDU JIT DB 3	JIT SLUI IN 20 1	RRY ENCASE: FT LENGTH SAND	D	1	109  109  3	FT  FT  CY	C     	c	S   	C     	3376.1	(3-WF3	1.5  	
I-N   1-3SL	B     322048   656400	1-3 IN BEND SLURF	DB 90 D CONDUIT XY MIX, J	36 IN 1 DB 3 II L SACK :	R BEND SLU N 90 D 36 : SAND	RRY ENC IN R	Ì	2  2  1	EA] EA]	1 D 1	c l	Ş   	с і   	3373.2	3-WF3   	0.1	
ork fac Tunc code des	c	EXIST	TAG	NEW TAG	G				С	ONSI	RUCT	ION	NOTE	s			
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DP001EM2- 09/05/17	LOCAL40-0 11:36	01	SAN DIEGO GAS AND EN DPSS - DESIGN REVIEW CO	ECTRIC PY - DE'	TAI	G						P.	AGE NO 131				
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PROJECT:	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	Г&C JOB	1					STATUS: AC	T WOR	K ORDE	R: 2960700				
DESIGN: 0	1 NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS:	ACT									<b></b>				
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99	999 L	OCATIO	N 119 OF 587				
WRK   F-C MU I	] D ]AU ID	  STOCK#		QTY   RQD	   UM	WRK  RSP	MAT   RS P	TIM   TRT	ACC TRT	STANDARD	CREW    TYPE	EST   HOURS					
I -N	3'HD-A	[ ]	HAND DIG TRENCH 3 FT DEEP AVE	17	[ FT	C		\$	¢	G7453	3-WF3	6.6					
I-N	BKF-3'	i i t i	BACKFILL TRENCH 3 FOOT DEEP	17	FT	¢		S	С	 1 	3-WE3	0.31					
I-N  	SHD-12	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH . SAND, FILL RECYCLED MATLS PREFFERED	17   1	FT   TN	C   	   C 	S           	с	G7405   	3-WF3   C-BH    C-DT	0.1  0.1  0.1					
I-N	1		1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17		i C	   C	S	С	  3373.1 	3-WF3    1	0.3					
1-N  	R-XCES	1	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		] FT	D J	i	S   	С	 		0.41					
I-N	PLANTU	1 1	REMOVE/REPLACE LANDSCAPING		1   FT 	C		S	С	l	3-WF3	1.3					
I-N	CC~2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C	i	់ទៅ	С	l	[SR3AS]	0.21					
II-N		i i	FINISH CONCRETE SURFACE MAN 12 IN		   FT	I C	Ì	 [ 5	С	ĺ	SR3CS	I					
[ I-N  [     	i	   <b>x</b> 20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		EA   TN	1	[ C		С	G7453   	C-BH    3SWF4	0.41 0.41 0.71					
I-N  	REM-3'	1 1	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	9	  FT  CY	1 C		S     S	С		C-DT     1	18.0					
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	2	)CY	[ C 	   C	S	С	G7409		0.1[					
I-N	1£B3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	9   9   1	FT   FT   CY	; c   	   C   C	S   	¢	3376.1	3-WE31	0.1					
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	] EA	i c	i		С	i	TC3	1.0					
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1		, C	i		Ç	İ	TC4	1.0					
I-N		i i	SAW CUT CONCRETE	10	FT	C	[	   S	С	l		1.5					
I-N   	  CC-WLK 	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1 1	EA	ן ע ן	i	S     S     _ ]	С	İ	   SR3CS   	1.0					

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CONSTRUCTION NOTES

SEE SHT 12

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ROJECT: 25	3568	JOB:01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	I∉C JÒB	1				S	STATUS: AC	T WOF	K ORDĚ	R: 2960700
CTCN. 01	NTAME	DOTANT	DO BLK 7G2 T&C JOB 1 STATUS:	ACT									
DCATION: 1	20 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	VE: 999-99	99 1	LOCATIC	N 120 OF 58
₹RK  F-C MU ID	I IAU ID	   STOCK#			: 1	NOVI	MBT	<b>TTM</b>	ACC	GTANDARD	CREW	FST I	
I-N	3'HD-A	[	HAND DIG TRENCH 3 FT DEEP AVE	1 15	FT	С		SI	C	G7453	[3-WF3]	5.91	
I-N	  BKF-3' 	l I	BACKFILL TRENCH 3 FOOT DEEP	1 15	FT    FT	С		S ]	C		3-WF3  C-BC	0.2	
I-N			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	   15   1		-	с			G7405	  3-WF3  C-BH  C-DT		
[-N	I	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH		   FT     FT			S	c	3373.1	  3-WF3 	0.2	
I-N   	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		  FT   CY	с	l C						
I-N	PLANTU	[	REMOVE/REPLACE LANDSCAPING	1 15	FT	C		S	L C		3-WF3	1.5	
I-N    		  X20201  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	<u>4</u>   1	EA  TN		[ [ C	S         	C 	G7453   	•	0.2 0.2	
I-N	1	1 1X30007	TRENCH SPOIL 3 FT DEPTH   DUMPING FEE	5	•	¢		S	i C I		C-DT	0.41	
E-N	1	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP   SLURRY MIX, 1 SACK SAND	1	icr	С	i c	]		G7409 	3-WF3   		
ן אר ו אר ו	1EB3SL   	249664 656400	1-3 IN EE CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	I 5 I 5		i c I	i I C		i c i	3376.1		0.1	
I-NI	   LN-S/U	1	TC-LANE CLOSURE URBAN STREET	1 1		с		   S   			TC3	•	
I-N	  LN/S/S	i	   LANE CLOSURE URBAN ST (STREET REPAIR)	1	  EA	C		   S		1	1  /TC4 ]	1.0	
	SAW-CC	1	SAW CUT CONCRETE	10	  FT	l C	-	s		l	ISR-3C	1.5	
IN	CC-WLK	i	   CONCRETE SIDEWALK SECTION (5X5) FINISHED   CONCRETE - 6 SACK (3/4" ROCK MIX)	1	I [EA] ICÝ	ן 1 ס ו	1	IS	i c	   	  SR3CS 	1.0	

## WORK FAC FUNC CODE DESC

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CONSTRUCTION NOTES

## SEE SHT 12

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ROJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: AG	T WOI	K ORDE	R: 2960700
ESIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1 STATUS	S: ACT									
OCATION: 1	21 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999 1	OCATIO	N 121 OF 58
WRKI F-C MU ID	I AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	[ QTY [ RQD	   UM	WRK   RSP	MAT   RSP	TIM	ACC TRT	STANDARD   PAGE +	CREW	EST   HOURS	
I–N	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	] 18		I C	1	) S	C	G7453	3-WF3	7.0	
-N	BKF-3'	] [ ] [	BACKFILL TRENCH 3 FOOT DEEP			C I	Ì	S 1 	C	1 1	3-WF3   C-BC	0.3	
[-N] [ ]	SHD-12   	611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	   FT   TN 	İ	     C 	İ	i c I		  3-WF3  C-BH [C-DT	0.1( 0.1( 0.1)	
[-N		249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18	  FT  FT	1	•	   S 		  3373.1 	3-WF3		
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	[ 18		ic		! S 	1	1	C-DT	i i	
I-N1	PLANTU		REMOVE/REPLACE LANDSCAPING	ן 1 18	   FT	c	1	1 S	   C	1		1.8	
i I-N  		  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	   FT   EA   TN	i –		i I	j 1	G7453	3SWF4	0.2  0.2  0.4	
E-N  [	REM-3'	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		  FT		C		   C 			0.4	
[-N]	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		]  FT  CY		   C		   C 	G7409	[ [3-wf3 [	1 I	
I – N (	1EB3SL   	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5 [ 1	FT   CY	i	   C   C	[	C     	3376.1		0.1	
[-N	LN-S/U		TC-LANE CLOSURE URBAN STREET		  EA	. C	1	l I S	C		TC3	1.01	
[−N	LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	[ 1	EA	] C	1 [ 1	IS	C	[ [	TC4	1.0	
[N	  SAW-CC	i i	SAW CUT CONCRETE	1 10	FT	C	1	5	   C		SR-3C	1.5	
I-N	CC-WLK	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA  CY	ט ו ו ו	U	i s i	i c I	l I	SR3CS		

SEE SHT 12

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9/05/17 11: 				DPSS - DESIGN	REVIEW CO	PY - DE	TAII	J							
ROJECT: 253			REV:0 TYPE: U												R: 2960700
ESIGN: 01			O BLK 7G2 T&C JOB		STATUS:										
			DISTRICT: CM DE		BONNER							NE: 999-99		LOCATIO	N 122 OF 587
WRK  F-C MU ID	AÚ ID	STOCK#	DESCRIPTIO	N/CONSTRUCTION NOT		RQD	UM	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	3421-1	  514240	PAD 3421 1-PHASE PAD 1-PHASE XF			1	EA     EA	С	   C	S	с	3421.1	3-AF4	0.4	
	X-XF1P		PAD PREP 3421 PA	D (1-PHASE TRANSFO	RMER)	1 1	I E A I	C	i	S	C	1	3SWF3	1 0.41	
I-N  I		  812816	TRENCH GRD WIRE WIRE BARE COPP	W/O RODS (TRANS/CA ER #2-7 STR SOFT D	LP) DRAWN	1 1 1 8	EA   LB	С	l C	S   	¢	4510.1 	3.5WF3 	0.2	
1	1-2SLB	321812   656400	1-2 IN DB 90 D 3 BEND CONDUIT D SLURRY MIX, 1	B 2 IN 90 D 36 IN		1   1   1	EA     EA     CY	Ċ	   C   C	 [ ]	С	3373.2     .	1 1	0.1      	
	1-3SLB	322048	1-3 IN DE 90 D 3 BEND CONDUIT D SLURRY MIX, 1	B 3 IN 90 D 36 IN		6	EA     EA     CY	С	   C   C	i 1 I 1	C	3373.2   	3-WF3   	0.3  	
T-N	TB-PER	12482051	TRAFFIC BARRIER CONCRETE - 6 S PIPE STEEL 4 I	ACK (3/4" ROCK MIX		2   1	EA1  CY]	С	l I C	i i	С	3481.1	  SR3CS   	i i	
WORK FAC FUNC CODE			EXIST TAG N	EW TAG				CONS	TRUC	FION	NOT	ES .			,, <b></b> , <b>_</b>
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ROJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AN DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G.	2 -T&C JOB	1								R: 2960700
ESIGN: 01	NAME :	ROLANI		US: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999 1	LOCATIO	N 123 OF 5
WRK  F-C MU ID	AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	  UM	WŔK   RSP	MAT     RSP	TIM TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
[−N			SAW CÚT CONCRETE		FT	i c	5	s	C	E	SR-3C	6.2	
(-N (	AS-M18   	X20022   114201	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	104   104   10	FT   SF   TN	i c I		S   	C	     	  C-BC  SR-3A   	7.0    7.0  	
Ì	BH03XH 	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		FT   EA   TN	ט ד ו ו	ן ח   1 ח	S   	C	G7453   		4.7    4.7    9.4	
[-N	REM-3'	[ [X30007]	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	117   30	IFT CY	i c I		S	Ċ	i I		10.3	
-N	SLR-18	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 351 i 20	) FT ) CY	i c I			C 	G/4U9 		0.7    0.7	
[-N  	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	117   3	FT   FT	I C I 1	   C	S   	i c I	3376.1		1.6	
E-N  [ [	1-3\$LB 	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 1 2 1 1	EA   EA	1 C 1		I S I	1	1	3-WF3		
I-N	LN-S/U	I I	TC-LANE CLOSURE URBAN STREET			י די	•	1 ] S	i c	I	тсз		
-n (		i i	lane closure urban st (street repair)	• –		U	•		l I C	l	TC4	1.01	
-N			SAW CUT CONCRETE	i 10		U	i :	] S			1   SR-3C	I.5	
E-N		i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1 1		U	1	S		l	  SR3CS 	1.01	
VORK FAC FUNC CODE			EXIST TAG NEW TAG			CONS	TRUC	TION	NOT	ES			
				SEE SHT 1	2,1	3							

DP001EM 09/05/1	12-LOCAL- 7 11:36	40-00	1	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP	ECTRIC	TAI	L						-	AGE NO 136
DRO TECT	- 253569	ά.,	0.0.01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T	AC JOB	1				2	STATUS: AC	T WOR	K ORDE	R: 2960700
DDGT ON	<u>01</u> ,		DOINT	DO BLK 7G2 T&C JOB 1 STATUS:	አጣጥ									
				DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 L	OCATIC	N 124 OF 587
WRK   F-C MU	ן זובן הדי	 עד	 STOCK#1	DESCRIPTION / CONSTRUCTION NOTES	QTY	l 1 tm	WRK	MAT	ŤIM   TRT	ACC	STANDARD	TYPE I	HOURSI	
I-N	13'1	+ HD-A	+	HAND DIG TRENCH 3 FT DEEP AVE	18	] FT	'į C		S	i C	G7453	3-WF3	7.0	
I-N     I-N	BK	  F-3'  		BACKFILL TRENCH 3 FOOT DEEP	18	] FT	'I C		S	E C	[	[3-WE3]	0.3]	
1 I-N 1 I-N 1 I	  SHI	 	i 611492 ا	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	18	FT   TN	'I C	l c	S	1 C	G7405	[3-WF3] [C-BH ]	0.1  0.1	
I-N    I-N	  1D! 	B3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	1 18	FT	'I C	1	S	1 C	13373.1	(3-WF3)	0.31	
I-N  	Í.	XCES   	X30007	DUMPING FEE	18 2	   FT   CY		· ^ ·	r	1	1 1 1 1	1 1	1	
I-N]	cc-	-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	1 C	[	S	I C	1	SR3AS	0.7	
   I - N	CF		I	FINISH CONCRETE SURFACE MAN 12 IN	i 18	FT	1 '1 C	1	[ 5	i c	1		0.1	
I-N]   I-N] 	   BH( 		 x20201; 114215;	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	9 7 1	FT   EA   TN		l C I Ç	[5] [	C   	G7453   	C-BC    C-BH    3SWF4	0.4  0.4  0.7	
I~N    I~N	   REI 	M-3'  	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	9	FT		i	S		 	  C-DT   	0.8  	
[I-N]	SLI	R <b>-18</b> ]	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	2	CY	i -				G7409 	1	0.1(	
	1E    	B3SL    	2496641 6564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	9 9 1	FT   FT   CY	    C		] 	 	3376.1	3-WF3  	0.1(	
I – N		-s/ʊ		TC-LANE CLOSURE URBAN STREET	1	I EA	c	I	   5	l l C	l	TC3	1.01	
II-N	LN	  s/s	i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	l C		I	 [ C 	 		1.0	
   I - N	SAI	   w-cc	i	SAW CUT CONCRETE	10	FT	c c	İ	   S	i c	l		1.51	
I-N  	icc	-WLK  	I	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	U		S	E C	l		1.0j	
WORK	FAC													

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

CONSTRUCTION NOTES



,
DP001EM2-LOCAL40-001
09/05/17 11:36

SAN DIEGO GAS AND ELECTRIC SAN DIEGO GAS AND ELECTRIC DPSS - DESIGN REVIEW COPY - DETAIL

\_\_\_\_\_ PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT \_\_\_\_\_ \_\_\_\_\_ LOCATION: 125 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 125 OF 587 WRK] QTY [ |WRK|MAT|TIM]ACC|STANDARD |CREW | EST |

F-CIMU ID			DESCRIPTION/CONSTRUCTION NOTES		UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N	3'HD-A	E I	HAND DIG TRENCH 3 FT DEEP AVE	18		С	I		i c	G7453	[3-WF3	7.0	
	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18							3-WF3  C-BC	0.31	· ·
			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	TN			Ì		G7405 	3-WF3  C-BH  C-DT	0.10 0.10 0.10	
I-N			1~3 IN DE CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	( 18	TT		C		l	3373.1			
Í-N			EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	( 18 ( 2	FT   CY	С	[ [ C	I S	i C		IC-DT	0.51	
I-N			REMOVE/REPLACE LANDSCAPING	i 18	  FT  	С	-	15		-		1.8	
I I I I	1 · · ·	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	10 1 8 1 1	FT     EA   TN	С	   C   C	S   	[ C [	G7453	C-BC  C-BH  3SWF4	0.41	
I-N			TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 10 i 3	CY	С		   S 		1	  C-DT 		
I-N(			BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 30 1 2	CY	с	ic	1		l	  3-WF3 		
E-N    	Ì	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	73 73 2	FT    CY	С		1	i c I	3376.1	3-WF3   	1.0	
[_N  [	i.	3220481	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 2 1	EA  CY	C	I C I C	I S	l		  3-WF3   	0.1  	
I-N	  LN-S/U		TC-LANE CLOSURE URBAN STREET	•	  EA	С	•	15	l C			1.0	
E-N	LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	-	  EA  		i	   S 		I		1.01	
E-N	SAW-CC		SAW CUT CONCRETE	1 10		С	1	15	i c	1			
ľ-Ň			CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)		EA	U	1	15	I C	t		1.0	

WORK FAC

FUNC CODE DESC EXIST TAG NEW TAG

CONSTRUCTION NOTES

SEE SHT 12

	3568	IOB:01	REV:0	TYPF :	UD N7	AME: RC	JLANDO B	SLK 7G2 -	TaC JÓB	8 1				5	STATUS: A	CT WO	RK ORDE	ER: 2960700
SIGN: 01								STATUS:										
CATION: 1	26 SHEE	T: 01	DISTRICT:	: CM I	DESIGNE	D BY: C	GEORGE B	SONNER										ON 126 OF 58
VRK  F-CIMU ID	AU ID	STOCK#	I					s	RQD	UM	RSP	RSP	TRT	TRT	STANDARE PAGE	ITYPE	HOURS	I
(-N	330926 	 162690	HAND HO QUAZI	DLE 3309.	.2 37"X	26" X			1   1	EA   EA	С	l LC.	S   [	C	3309.2	3SWF3 	0.8  	 
E-N	X09H26 	1626901	INSTALI QUAZI	L EXCAVAL	FION/REN 37"X26"2	MOVE 26"			i 1 i 1	EA	С	l I C	I S	C ' 	3309.2	1	0.8	l
-N	1-3SLB 	322048	1-3 IN BEND SLURE	CONDUIT	DB 3 IN	N 90 D	36 IN B	2	i 5		С	l c	] 5   ]	i c	3373.2	  3-WF3   	1	l
I-N	   PLANTU		REMOVE/	REPLACE	LANDSC	APING				  FT					l f	1	1	[
WORK FAC FUNC CODE			EXIS		NEW TAC						ONS:	FRUC	TION	NOTI				
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9/05/17 1	LOCAL40-0 11:36		SAN DIEGO GAS AND I DPSS - DESIGN REVIEW CC	DPY - DE	TAT								AGE NO 139
ROJECT: 2	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	-T&C JOB	1				5	STATUS: AC			R: 2960700
ESIGN: 01	1 NAME	: ROLANE	XO BLK 7G2 T&C JOB 1 STATUS:	ACT									
OCATION:	127 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 127 OF 58
	 D  AU ID		DESCRIPTION/CONSTRUCTION NOTES							STANDARD			
I-N	3'HD-A	] [	HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C	í	[ S	I C	,  G7453 	[3-WF3	7.7	
I-N	BKF-3	י ו נ	BACKFILL TRENCH 3 FOOT DEEP	1 20		C					3-WF3  C-BC	0.31	
I-N	SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	• –	   FT   TN 		i c	   	 	G7405	C-BH  C-DT	0.1	
I-N	l l	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C	S 	i	3373.1	I	0.3	
I-N	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 20					   C 	Ì	  C-DT   	0.51	
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH		FT	i c	•		i c	I	ISR3AS	0.81	
I-NI	CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20		C			   C		I SR3CS	0.11	
I-N [	AS-2CT	i i	ASPHALT 2 SAW CUT AND BREAK MECH	35		i C		, -	C   C	•	I SR3AS	0.91	
I-N  [	AB-M18	i i	ASPHALT BASE MECH 18 IN ASPHALT (DASE)	35		i c	l l	i s	i c	ĺ	IC-BC ISR4AL	0.91	
I-N	ЭНОЗХН	  x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	33   1	FT   EA   TN	C	C   C	[ <b>S</b>   	I C	G7453   	C-BC  C-BH  3SWF4	1.71 1.71 3.41	
I-N	REM-3	i i 1X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	( 43 ( 11	CY	С	l	S	C 	I	   C-DT   	3.81	
I-N	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	130   8	ĊŸ	c	i c	i		G7409 		0.3  	
I-N	1EB3SL	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	71   71	FT	С	i	S 	i c	3376.1	3-WF3	1.0	
I-N    	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 1	EA   CY		Ū	I I	1	I	  3-WE3   		
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1 1		c.		្រ	1   C		TC3	1.0	
I-N [	[  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	j 1	EA	с	i i		i c	1	  TC4	1.0	
I-N	SAW-CC	1   1	SAW CUT CONCRETE			c		•	1 [ C		   SR-3C		

Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: 25	3568	JOB:01	REV 0	TYP	E: UD	NAME :	ROLANDO	D BLK 7G2	2 -T&C JO	в 1				STA	ATUS: AC	T WO	RK ORD	ER: 2960700
									 JS: ACT									
SIGN: 01																		
CATION: 1	27 SHEE	ET: 02	DISTRICI	[: CM	DESI	GNED BY:	GEORGE	E BONNER										ON 127 OF 58
NRKI F-CIMU ID	AUID	STOCK# [				CONSTRUC									landard Page			
-N	t I	248205	CONCRE CONC					FINISHED (X)		1   EA 1   CY		1 0 1	S   d	c i		]  SR3CS   	1.0 	i
i	XING-U	114215	TC-TRA ASPH				LET CROS	SSINGS		1   TN	C 1       1	C I	s i d	c i		  TC4   	i 0.1 l	[ <u></u>
I-N				IC CONE	). (XIN	G LANE)	STREET	REPAIR	l		   C					•	-	1
NORK FAC			EXIS	ST TAG	NEW	TAG				(	CONSTR	RUCTI	on n	OTES				
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			REV:0 TYPE: UD NAME: ROLANDO BLK 762								T WOE	K ORDE	R: 2960700
			DO BLK 7G2 T&C JOB 1 STAT										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	LOCATIO	N 128 OF 58
WRKI F-CIMU I	d [AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	1 QTY 1 RQD	   UM	WRK  RSP	MAT RSP	) TIM ) TRŤ	ACC   TRT	STANDARD	CREW   TYPE	EST   HOURS	
I-N[	3'HD-A	+ <b></b> -	HAND DIG TRENCH 3 FT DEEP AVE	1 17	7 T	i c	1	S	+	, G7453	13-WF3	6.6	
I-N!	  BKF-3' 		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	1 17	   FT 	l c	1	] ] S ]	L		10-00	0.31	
I-N[	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1		Ì	     C	1		G7405	  3-WF3  C-BH  C-DT	0.1j 0.1j	
I-N	1	  249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	   17   17	   ET   FT	   C 	1 1   C	   S 	i I C I	  3373.1 	1 13-WF3 1	1 0.3  	
I-N	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 17 1 2	CY	i c	   C	,   S	   C 	 	  C-DT   	0.4  	
I-N	ICC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	ίC	i i	s		1	SR3AS	0.7	
I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN		   FT			· •	i c	Ì	  SR3CS	0.1	
] I-N] ]	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	10   8   1	EA   TN	 	1 1 C 1 C	S 	i c I	G7453 	C-BH  3S₩F4	0.4  0.4  0.8	
I-N]	IREM-3'		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 10 i 3	  FT  CY	i c	C	i	E	 	  C-DT   1	0.9	
I-N	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 30 1 2		i c	1 1 C	] S 	C 	G7409		0.1) 	
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	70   70   2	FT   FT   CY	1 C 1 1	1	S   	[ C [ [	3376.1 	3-WF3   	1.0	
	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	i 2 i 2 i 1	EA   CY	U I I	្រ ប	S   	. –   	3373.2		 	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	-	i c			   C	İ	   TC <b>3</b>	1.01	
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1		i c		   S	   C	i	   TC4	1.0	
I-N	SAW-CC	i i	SAW CUT CONCRETE	10	  FT	•		   S	   C	i		1.5	
1-N		i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)							ĺ	   SR3CS   	1.0	

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DP001EM2-LOCA 09/05/17 11:3	6				SAN DIEGO SS - DESIGN	) GAS AND N REVIEW C		AIL		PAG	E NO 142
PROJECT: 2535	68 JOB:01	REV:0	TYPE: U	JD NA	ME: ROLANDO	BLK 7G2	-T&C JOB	1	STATUS: ACT	WORK ORDER:	2960700
DESIGN: 01	NAME: ROLAN	IDO BLK 7G2	T&C JOB	1		STATUS	: ACT				
LOCATION: 128		DISTRICT:			BY: GEORGE				PHONE: 999-9999	LOCATION	128 OF 587
WORK FAC FUNC CODE	DESC		TAG 1	NEW TÀC	3		·	CONSTRUCTION	NOTES		
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ROJECT: 2	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	l				5	STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 01	1 NAME	: ROLANE	0 BLK 7G2 T&C JOB 1 STATUS	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER	***					PHO	NE: 999-99	99	LOCATIO	N 129 OF 58
WRK: F-C:MU I	D AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT  RSP	] TIM   TRT	ACC	STANDARD PAGE	CREW   TYPE	EST ]	
I-N]	]3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C	1	Ş	I C	G7453	3-WF3	[ 7.0	
I-NI	1	i i I I	BACKFILL TRENCH 3 FOOT DEEP	18	FT 	c	İ.	s	I C		3-WF3  C-BC	0_3  0_3	
I-N		t i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	18	TN 	C   	C	S   	1 C 1	G7405   1	3-WF3   C-BH   C-DT	0.1	
I-N	I		1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18   18	FT   FT		   C	S 	C 	3373.1			
I-N	R-XCES	i 1 <b>X</b> 30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18   2	İCY	C I	   C	S	i c	 	  C-DT   		
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	1 4		C		   S		İ	3-WF3	0.4	
I-N	  CC-2CT	1 1	CONCRETE 2 SAW CUT AND BREAK MECH	14		C I		   S		l		0.61	
I-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	1 14		i c		   S		İ		0.1	
ľ-N	i I	[  X20201[  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	10   8   1	FT   EA   TN	1	   C   C	[	; c ; ;	G7453 -	C-BH  3SWF4	0.41	
I-N	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 10 I 3		C 	   C	   S 	   C 	   	[   C-DT 	1 0.9[	
I-N	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	30 2	CY	i c I			1	G7409 		1 1	
I-N	1EB3SL 	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX. 1 SACK SAND	73   73   2	FT   FT   CY	i c I I	C   C	S     	C   	3376.1   			
I-N    	1-3SLB   ]	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	IEA IEA ICY	 	   C   C	i i	C 	3373.2   	l l	. ,	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1 1	(EA	c I		IS.	1 C	Ì	   TC3	·	
1-N		[ ]	LANE CLOSURE URBAN ST (STREET REPAIR)	1		C		S		1		1.0	
I-N	  SAW-CC	i i	SAW CUT CONCRETE	10	FT			   S	i c	Ì		1.5	
IN		i i	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)		[EA	U		S		I			

09/05/17 1									AND ELECTRIC IEW COPY - DEI	TAÍL				PAG	E NO 144
ROJECT: 2	5356	8 JOB:01	REV:0	TYPE:	UD	NAME :	ROLANDO	BLK	7G2 -T&C JOB	1				WORK ORDER:	
ESIGN: 01	]	NAME: ROLA	NDO BLK 7G2	T&C JO	DB 1			SI	TATUS: ACT						
			DISTRICT:					BONN	IER			PHONE :	999-9999	LOCATION	129 OF 587
WORK FA											ONSTRUCTION	NOTES			
FUNC COD	<u>E</u> :	DESC	EXIST	TAG	NEW	TAG			ann arm 12		ONSTRUCTION	NOLES			
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DP001EM2-L D9/05/17 1	OCAL40-00 1:36	01	SAN DIEGO GAS AND EI DPSS - DESIGN REVIEW COF	PY - DETA								P	AGE NO 145
PROJECT: 2	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -I								T WO	RK ORDE	R: 2960700
	107.111	. DOT BUD	O BLK 7G2 T&C JOB 1 STATUS:	200									
OCATION.	330 ¢u¢:	2m • 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99	LOCATIO	N 130 OF 587
WRK1	]			OTY	W	IRK     SP	MAT   RSP	TIM TRT	ACC TRT	STANDARD	CREW  TYPE	EST    HOURS	
I-N	3'HD-A	[ ]	HAND DIG TRENCH 3 FT DEEP AVE	18(B	FT	сı	1	S	I C	IG7453	3-WF3	[ 7.0]	
1 1-N1	BKF-3 '		BACKFILL TRENCH 3 FOOT DEEP	   18 1 							3-WF3  C-BC	[ 0.3]   0.3]	
I-N	1	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	18 E   1 7			С			G7405	3-WF3  C-BH	j 0.1j	
I-N[	  1DB3-S	I I I I	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	       18 E   18 E			c 1				]  3-WF3		
	  R-XCES			18 E   2 C	] 7T]	c I	1		I	I	1	1 1	
I-N:	[  CC-2CT 		CONCRETE 2 SAW CUT AND BREAK MECH	1 1 18 E	   TT	с	1	s	l c		l   SR3AS	0.7	
I-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	1 18 E	ו ן דיז	сİ	1	s	С	L E	I SR3CS	0.1	
I – N ( [ [	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	10 E   10 E   8 E   1 T	EAJ	I		S	С	G7453	  C-BC  C-BH  3SWF4	0.4	
Σ-N  		[  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	10 E   3 C	TT Y	C   		s		 	IC-DT	1 T	
I-N	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLUBRY MIX, 1 SACK SAND	30 F   210	TT   Y				С	G7409		0.1	
I-N	1EB3\$L    	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	100 F   100 F   100 F   2[C	TTI TTI TYI	1	ci		С	3376.1   	3-WF3   		
I – N     	1-3SLB	3220481	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2[E   2[E   2[E   1]C	IA   IA	i		l	С	3373.2   			
[ I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET		 [A]	c i		S	С	Ī	TC3	   1.01	
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)		I Al	c i		S	С	I	ITC4	   1.0	
I-N	  SAW-CC]	i i	SAW CUT CONCRETE	10 F	T	сļ	[	S	с	l	SR-3C	1.5	
I-N  	CC-WLK	l I	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1]E   1]C				S	с	i	SR3CS	   1.0  	

	M2-LOCA 17 11:3					SA DPSS -	AN DIEGO - DESIGN I	GAS AND REVIEW (	ELECTRIC COPY - DETA	IL	PAGE NO 146
PROJEC	Ť: 2535	68 JOB:01	REV:0	TYP	E: UD	NAME :	ROLANDO	BLK 7G2	-T&C JOB 1		WORK ORDER: 2960700
		NAME: ROLAN	IDO BLK 7G2	T&C	ЈОВ 1			STATUS	S: ACT		· · · · ·
LOCATI	ON: 130	SHEET: 02					GEORGE			PHONE: 999-99	99 LOCATION 130 OF 587
WORK FUNC	FAC CODE	DESC	EXIST	TAG	NEW	TAG				CONSTRUCTION NOTES	
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PROJECT: 2	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1					STATUS: AC	CT WO	RK ORDE	R: 2960700
DESIGN: 0	1 NAME	: ROLANI	0 BLK 7G2 T&C JOB 1 STATUS:	ACT	<b>-</b>								
LOCATION:	131 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO:	NE: 999-99	99	LOCATIO	N 131 OF 58
WRK	D AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT RSP	TIM TRT	ACC	STANDARD	CREW	EST     HOURS	
I-N;	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	33	$ \Sigma T $	C	1	S	I C	G7453	3-WF3	12.4	
I-N! [	BKF-3 ' 		BACKFILL TRENCH 3 FOOT DEEP	I	i FT I	i c	i	S	i c	1	13-WF3 IC-BC	0.51	
I-N  [ [			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	33   2	TN 	1 C 1 1		S	C   	G7405   	  3-WF3  C-BH  C-DT	0.10 0.10 0.11	
I-N	I		1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	33   33	   FT   FT 	1 C 1		5	C	3373.1 	  3-WF3   	0.51	
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	33   3	FT   CY	C 		Ś		i I I	IC-DT	0.81	
I-N		i i	REMOVE/REPLACE LANDSCAPING	i 33	   FT 	i c	 	s		Ì	  3-WF3 	3.31	
I-N		i 1	ASPHALT 2 SAW CUT AND BREAK MECH	50	4	, c		S	c	1	I SR3AS	1.31	
I-N	AB-M18 	1	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 50 I 6	•	i c I	C			1	  C-BC  SR4AL 	1.4    1.4	
I-N	BH03XH   	i   {X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	70   53   1	FT   EA   TN	C   	C     C	S	C   	G7453   	C-BC  C-BH  3SWF4	1 2.81 1 2.81 1 5.61	
I-N    ]	REM-3' 	i i	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	70   18	(CY	C		S	i c	1 1	   C-DT 	6.2  	
I-N	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		CY	C 		S	C I	G7409 	  3-WF3 ]	0.4	
Ξ−Ν [ [ 	1EB3SL   	  249664[  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	100 100 2	FT   FT			1		3376.1 	  3-WF3   	1.4	
I-N    	1-3SLB 	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 2 1	IEA IEA	( C   	i i	S	¢	3373.2   	3-wf3   	1	
I-N	LN-S/U	[	TC-LANE CLOSURE URBAN STREET	i I	[EA	i c	i i	S I	c	]	TC3		
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	l c		S I	Ċ	Ī	  TC4	1.0	
I-N]	SAW-CC	i i	SAW CUT CONCRETE	10	FT	C	i i	S I	C	1	   SR-3C	1.5	
I-N	CC-MTR		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1 1				l Si			  SR3CS		<u> </u>

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JECT: 253568 JOB:01 REV:0 TYPE: UD IGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 ATION: 131 SHEET: 02 DISTRICT: CM DESIG K        DESCRIPTION/C C MU ID  AU ID  STOCK#  DESCRIPTION/C       248205  CONCRETE - 6 SACK          248205  CONCRETE - 6 SACK           14215  ASPHALT, COLD MIX	NED BY: GEORG	STATUS: GE BONNER NOTES	ACT									1: 2960700
IGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 ATION: 131 SHEET: 02 DISTRICT: CM DESIG K        DESCRIPTION/C       1248205  CONCRETE - 6 SACK         N    XING-U    TC-TRAFFIC CONDITIO	NED BY: GEORG	STATUS: GE BONNER	ACT									
ATION: 131 SHEET: 02 DISTRICT: CM DESIG	ONSTRUCTION N	GE BONNER	I QTY				т					
K  I I   C MU ID AU ID STOCK#I DESCRIPTION/C   I I I I   I I I I   N  IXING-UI I I	ONSTRUCTION N	NOTES	I QTY					PHONE	: 999-99	99 	LOCATION	t 131 OF 587
248205  CONCRETE - 6 SACK         N   XING-U    TC-TRAFFIC CONDITIO	(3/4" ROCK M			UM[	RS₽∣	RSPÍI	RT	[RT]	PAGE	TYPE	EST    HOURS	
		MIX) DSSINGS	1     1	CY       FT   TN	C 1	C (	 s   	c		    TC4 	i i	
N   XING/S    TRAFFIC COND. (XING	LANE) STREET	T REPAIR	. 1	FT	c i	1	si	c i			0.1	
NRK FAC NNC CODE DESC EXIST TAG NEW	TAG	SE	e sht 1		CONSI	TRUCTI	ION I	NOTES				
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Block 7G2 UUP Attachment E – Technical Specifications

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										-T&C JOB									R: 2960700
				0 BLK 7G2						S: ACT									
CAI	ION: 13	32 SHEE	ET: 01	DISTRICT:	CM	DESIG	NED BY:	GEORGE	E BONNER							VE: 999-99		LOCATIO	N 132 OF 58
-C ]	MU ID	AU ID								RQD	UM	RSP	RSP	TIM  TRT	ACC   TRT	STANDARD	CREW  TYPE	HOURS	
-N	J	330926	i i	HAND HC QUAZI	LE 3309	.2 37	"X 26"			1   1	EA EA	C   	ן כ	S   	CI	3309.2	3SWF3 	i 0.81	
   N		XU9H26   	  162690	INSTALI QUAZI	EXCAVA	TION/I	REMOVE			   1   1	EA EA	C     C   	ו כ	S I	C I	  3309.2 	1	0.8	
-n		1-3SLB  	322048	1-3 IN BEND	CONDUIT	DB 3	IN 90	D 36 II		3   3	EA EA		c	S ] 	CI	3373.2 	3-WF3	I	
   [-N]	1	]		SLURF REMOVE/						i	1	       C	I	1	1		Ì		
		DESC		EXIST	TAG	NEW 1	ÍAG				```	201401		. TON	NÓTI	ES			
		0230		EXIST	TAG	NEW !	IAG			SEE SHT 1		501051			NOTE	ES			
				EXIS:	' TAG	NEW :	1AG 			SEE SHT 1					NOTE				
				EXIS3	• TAG	NEW :	1AG			SEE SHT 1					NOTE		<u></u>		
				EXIS:	• IAG	NEW !	ÎAG			SEE SHT 1					NOTE				
				EXI\$1	• TAG	NEW !	İAG	·		SEE SHT 1					NOTE				
				EXI\$1	• TAG	NEW !	IAG	·		SEE SHT 1					NOTE				
				EXIST		NEW :	IAG			SEE SHT 1									
				EXIST	• TAG	NEW :	IAG	· · · · · · · · · · · · · · · · · · ·		SEE SHT 1									
			······	EXIST	• TAG	NEW :	IAG			SEE SHT 1									
			· · · · · · · · · · · · · · · · · · ·	EXIST	- TAG	NEW :				SEE SHT 1									
				EXIST	• TAG	NEW :	IAG			SEE SHT 1									
				EXIST						SEE SHT 1									
				EXIST		NEW :				SEE SHT 1									
				EXIST	· TAG	NEW :				SEE SHT 1									
				EXIST	· TAG	NEW :	IAG			SEE SHT 1									
				EXIST						SEE SHT 1									

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	253568	JQB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7	G2 -T&C JOB	1					STATUS: A	CT WOI	RK ORDE	R: 2960700
ESIGN: 0	1 NAME:	ROLAND	O BLK 7G2 T&C JOB 1 STA	TUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNE	 R					PHO	NE: 999-9	999 1	LOCATIO	N 133 OF 58
VŘK  F-C MU I	L D IAU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	ן שטן	WRK RSP	MAT RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW   TYPE	EST    HOURS	
[−N [	3'HD-A	i I	HAND DIG TRENCH 3 FT DEEP AVE	14	FT	С	[	S	Ċ	G7453	3-WF3	5.5	
  -N  	1		BACKFILL TRENCH 3 FOOT DEEP		FT	С	Ì	S 	i c I	1	3-WF3  C-BC·	0.2    0.2	
1     			SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	FT     TN     TN	•	•	S	C 	G7405	  3-WF3  C-BH  C-DT	 	
	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH		   FT     FT		l c	S 		  3373.1 	  3-WF3   		
-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		FT   CY	с		S 	1 C	1	•	0.4  	<u> </u>
I-N 1	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	14	[FT]	с	L 1	Ş	i c	i	SR3AS	0.6	
(-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	1.4	FT	с	1	S		•	SR3CS	0.11	
 E-N    	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL FLATE ASPHALT, COLD MIX	5	FT EA TN	 		i I	1	G7453   	C-BC  C-BH [3SWF4	0.21	
I–N  	REM-3'	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	j 6	FT   CY	C	   C	S	1   C 		i ic-dt i	0.5	
I-N	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		IFT ICY	C   C	1 C		C 	G7409	3-WF3   	i i	
  -N    	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	6	FT   CY	İ	i c		Ι.		3 <b>-</b> ₩F3	0.1	
[ [-N]	i   LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	1	   EA.	i c	 [ 	S	] C	1	TC3	1 1.0	
 -N	  LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	. –		i c	-	E S	C	1	TC4	1.0	
-N1	   SAW-CC	i i	SAW CUT CONCRETE	i 10		C 	1	• -	c		SR-3C	1.5	
[_N  [	  CC-WIK 	i i	CONCRETE SIDEWALK SECTION (5X5) FINISHE CONCRETE - 6 SACK (3/4" ROCK MIX)		EA	ਹ	i	is					

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DP001EM2-L	1:36		SAN DIEGO GAS AND H DPSS - DESIGN REVIEW CO	DPY - DE	TAI	L						F	AGE NO 151
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -							STATUS: AC	T WO	RK ORDE	R: 2960700
DESIGN: 01	NAME	: ROLAND	0 BLK 7G2 T&C JOB 1 STATUS	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATIO	N 134 OF 587
WRK   F-C MU ID	  AU ID		DESCRIPTION/CONSTRUCTION NOTES		1	IWDY	1 1470 17	] TIM   TRT	ACC	STANDARD PAGE	CREW   TYPE	EST   HOURS	
I-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	33	FT	C	1	S	I C	G7453	3-WF3	[ 12.4]	
L L	]		BACKFILL TRENCH 3 FOOT DEEP	33	[FT	i c	Í.	S	i c		3-WF3	0.5	
I-N    J     		 I I	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	33   2 	FT   TN 	C   	   C	S   		G7405	3-WF3   C-BH   C-DT	( 0.1)   0.1)   0.1)	
I-N    ]	1	      249664  	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	33   33			   C	S 	I C	]3373.1 ]		0.5  	
I-N     1	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 33 I 3		іс 1	     C	S	i C	1		I 0.8)	
I-N	PLANTU	1 1	REMOVE/REPLACE LANDSCAPING	i 1	[FT	i c		S		1	3-WF3	0.1	
  I-N		i i	CONCRETE 2 SAW CUT AND BREAK MECH	i 1		i c		   S		1	  SR3AS	i i	
  I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	,   1		i c		   S	-	I	  SR3CS	i i	
  IN		i i	ASPHALT 2 SAW CUT AND BREAK MECH	103	FT		i –	   S	I C	1	  SR3AS	2.7	
I-N     I-N   	i	  114201	ASPHALT (BASE)	   103   12	FT	C 	i i c	S	i c I	] 	  C-BC  SR4AL	2.8	
  I-N      	BH03XH   	X20201]  114215;	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	   110   83   2	FT   EA   TN	i c 1 1		S   		G7453   	]  C-BC  C-BH  3SWF4	4.4    4.4    8.8	
[ <u>-</u> N   [	REM-3 '	X30007[	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	110   28	FT   CY	C 		I S	C	l	IC-DT	9.7	
   I–N  	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	330   19	IC≚		I C	I	l	G7409	[	i I	
I-N        	1EB3SL   	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	3	FT  FT  CY	i c   	C   C	S   	C   	3376.1	[  3-WF3   	1.5	
I-N  	1-3SLB   	  322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLUBRY MIX. 1 SECK SAND	2   2   1	EA   EA	 	1	l Í i	C	3373.2	  3-WF3   	1 · · · · · ·	
II-NE	LN−S/U	i i	TC-LANE CLOSURE URBAN STREET	j 1	EA	ίĊ	ì	   S	i c				
II-N			LANE CLOSURE URBAN ST (STREET REPAIR)		   EA			1 ] S			 ]TC4		

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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP			PAGE NO 152
PROJECT: 253568 JOB:01 REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -T	&Ç JOB 1	STATUS: ACT WO	RK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS:			
LOCATION: 134 SHEET: 02 DISTRICT: CM DESIG	NED BY: GEORGE BONNER		PHONE: 999-9999	
WRK    i i  F-C MU ID (AU ID  STOCK#  DESCRIPTION/C	CONSTRUCTION NOTES	QTY    WRK MAT TIM   RQD  UM RSP RSP TRT	ACC STANDARD CREW	EST
I I I I I I I I I I I I I I I I I I I		]   10 FT C    S 	ICI ISR-3C	
II-NI ICC-WLKI ICONCRETE SIDEWALK S   I I I2482051 CONCRETE - 6 SACK		1 EA  C     S   1 CY[   C		1 1,01
WORK FAC FUNC CODE DESC EXIST TAG NEW	TAG	CONSTRUCTION	NOTES	
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			REV:0 TYPE:											RK ORDE	R: 2960700
			0 BLK 7G2 T&C JOE			rus: Act									
	<b>-</b>								•						
			DISTRICT: CM I												N 135 OF 58
WRK  F-C MU ID	AU ID	STOCK#!			UCTION NOTES	i RQD	UM	RSP	RSPI	TRT	RTI	STANDARD PAGE	TYPE	HOURS	
l.	1	162690(	HAND HOLE 3309. QUAZITE BOX 3			[ 1 [ 1	EA   EA		1 C 1	S   	C  3 	3309.2	I 35WF3	0.8	
l.	X09H26 	1626901	INSTALL EXCAVAI QUAZITE BOX 3			[ 1	EA	С		S	C  3	3309.2	35WF3		
I.	1-3SLB 	322048	1-3 IN DB 90 D BEND CONDUIT	DB 3 IN 9	0 D 36 IN R	l 3	8   EA   8   EA	C	C	S   	с із І	3373.2	3-WF3 	1 I.	
		1	SLURRY MIX, 1 REMOVE/REPLACE			I	1 1	E İ	C   	i	i.		i		
WORK FAC			<b></b>	<b></b>											
			EXIST TAG	NEW TAG			c	CONST	RUCT	ION 1	IOTES	5			
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9/05/17 11			SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	PY - DER	TAI							2. 	AGE NO 154
ROJECT: 25	3568 J	OB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				5	STATUS: AC	T ŴOł	RK ORDE	R: 2960700
ESIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1 STATUS:										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	VE: 999-99	99 1	LOCATIO	N 136 OF 58
WRK  F-C MU ID	IAU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
I-N!	3'HD-A	I	HAND DIG TRENCH 3 FT DEEP AVE	1 17	FT	Ċ		S	С	G7453	[3-WF3	6.61	
I-N	  BKF-3'  [	   	BACKFILL TRENCH 3 FOOT DEEP	17		1	[ [ ]				10-30	0.3	
I-N  [	SHD-12	i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	17   1		ς	i c	S	C     	G7405	C-BH   C-DT	0.1    0.1    0.1	,
I-NI	1	2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 17	   FT   FT 	I		S	C 	3373.1 		1 0.31 1 1	
1 I-N   .	R-XCES	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	17   2	FT	i c I	•	S	C	 	C-DT	0.4	
 I-N		Í	REMOVE/REPLACE LANDSCAPING	13	FT	i c	1 			İ	3-WF3	1.3	
[ I-N]			CONCRETE 2 SAW CUT AND BREAK MECH	4		i c			C	l	SR3AS	0.2	
 I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	4	FT		i.	S	1   C		SR3CS	i i	
I-N  	1	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	16   12   1	FT EA	i		S   	C 	G7453   		0.61	
I–N  	1	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	16   4	FT CY		l c	S	[ C [	   	C-DT 	1.4	
I-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 48 1 3	]   FT   CY 	i č I	(C	S 	i C	G7409 I	13-WF3	0.1  	
1 1-N  	1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	16   16   1	FT   FT   CY	i c   	1   C   C	1 S 1	C   	3376.1	3-WF3   	0.2	
I-N    	1-3SLB   	  322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC   BEND CONDUIT DB 3 IN 90 D 36 IN R   SLURRY MIX, 1 SACK SAND		EA  CY	C   		S   	C   	13373.2 1 1	3-WE3   	0.1	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	j 1	EA	İĊ		ĹŚ	1 C	1	TC3	1.0	
 I-N	  LN/S/S	1	LANE CLOSURE URBAN ST (STREET REPAIR)	j I		C I	1	S	   C	1	TC4	1.0	
1-N	   SAW-CC	1	   SAW CUT CONCRETE	į 10	FT	C	i –	js	l c	i	SR-3C	1.5	
I-N[	ICC-WLK	i	   CONCRETE SIDEWALK SECTION (5X5) FINISHED   CONCRETE - 6 SACK (3/4" ROCK MIX)	i 1	EA	ן ען ו		S	I 1 C 1	l.	[SR3CS	   1.0 	

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DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT	ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT	
LOCATION: 136 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOC	
WORK FAC FUNC CODE DEȘC EXIST TAG NEW TAG CONSTRUCTION NOTES	
SEE SHT 13	
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NOJECT: 25	53568 0	TOB • 01	BEV-0 TYPE: UD	DFSS - DESIGN REVIEW NAME: ROLANDO BLK 7G2	-Тес јов	1				S	STATUS: AC	T WOJ	RK ORDE	R: 2960700
					G. ACT									
CATTON: 1	137 SHEE	er- 01	DISTRICT: CM DESI	IGNED BY: GEORGE BONNER							VE: 999-99	99	LOCATIC	N 137 OF 58
RK  F-C MU ID	  AU ID	   stock#	DESCRIPTION,	CONSTRUCTION NOTES	QTY   RQD	  UM	WRK RSP	MAT   RSP	TIM   TRT[	ACC TRT	STANDARD PAGE	TYPË	HOURS	· .
-N	AS-2CT	[ ]	ASPHALT 2 SAW CUT	AND BREAK MECH	1 60	FT [	СГ	I		С		SR3AS	1.6	
1	Ì	i j 114201	ASPHALT BASE ME( ASPHALT (BASE)	CH 18 IN	1 60		ı c i	с		с	1		1.6    1.6	
-N   [	BHO3XH   	X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD M	STEEL PLATE	48	EA  TN	i i	Ç C	S   	С	G7453   	С-ВС  С-ВН	2.5	<u></u>
-N	REM-3 '	1230007	TRENCH SPOIL 3 F DUMPING FEE	f Depth	1 63	FT     CY	i c i		S     S		1	IC-DT		
-N	SLR-18 	656400	BACKFILL SLURRY 11 SLURRY MIX, 1 SA	8 IN WIDE X 12 IN DEEP ACK SAND	+ -	CY		¢.				3-WF3   	i i	
-N    [	1EB3SL 	249664	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SJ	20 FT LENGTH	74   74	FT	i c	с	S   	i c I	3376.1   		1.0	
-N	i.	322048	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 Si			EA  CY	<b> </b> ]	C C	S   [	1   	3373.2 	  3-WF3   	0.1  	
1 -N				RBAN STREET	1	EA	I C		s	C	l		1.0	
-N	i  LN/S/S	1 1 	   LANÉ CLOSURE URBAI	N ST (STREET REPAIR)			   C		]   S	   C		  TC4	1.0	
IORK FA			EXIST TAG NE	N TAG		(	CONS	FRUC	TION	NOT	ES			
		SEE SHT 13												

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	
	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	
ESIGN: 01 NAME: ROLANDO		ACT
OCATION: 138 SHEET: 01 DI	STRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-9999 LOCATION 138 OF 587
WRK I I I	DESCRIPTION/CONSTRUCTION NOTES	{ QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS
I-N   1-3SLB       322048[	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2 EA  C     S   C  3373.2  3-WF3  0.1    2 EA    C               1 CY    C   1
ī-N   CON-SB  ]	CONDUIT WORK (STANDBY LINEMAN ASSIST)	2   HR   C     S   C     STNBY   2.0
WORK FAC	EXIST TAG NEW TAG	CONSTRUCTION NOTES
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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND ELE DPSS - DESIGN REVIEW COPY				. PAGE	NO 158
PROJECT: 253568 JOB:01 REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -T&	C JÓB 1	STAT	US: ACT W	ORK ORDER:	2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: A	ACT .				
LOCATION: 139 SHEET: 01 DISTRICT: CM DESIGN	IED BY: GEORGE BONNER		PHONE:	999-9999	LOCATION 1	39 OF 587
WRK    ]		QTY    WRK	MAT TIM ACC ST  RSP TRT TRT			
+++++	THIS LOCATION					
WORK FAC FUNC CODE DESC EXIST TAG NEW I			TRUCTION NOTES			
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DP001EM2-LC 09/05/17 11	1:36		SAN DIEGO GAS AND DPSS - DESIGN REVIEW C	ELECTR OPY -	DETA	AIL							₽.	AGE NO 159
PROJECT: 25	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2		OB 1	1				5				R: 2960700
DESIGN: 01	NAME	: ROLAND	0 BLK 7G2 T&C JOB 1 STATUS	: ACT										
LOCATION: 1	140 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							рноі	NE: 999-99	99	LOCATIO	N 140 OF 587
[WRK] [F-C MU ID	 [AU ID	STOCK#!	DESCRIPTION/CONSTRUCTION NOTES	j RQ		UMIE	RSPI	RSPI	TRTI	TRT	STANDARD	TYPE	HOURS	
[I-N]		i i	HAND DIG TRENCH 3 FT DEEP AVE	ł	18 1	FΤ	сi	i	si	с		3-WF3	7.0]	
! <b>⊥−</b> N	BKF-3 '	i i I 1	BACKFILL TRENCH 3 FOOT DEEP	1	18 1 	et   	с і і	1	\$ [ 	С	E E	3-WF3  C-BC	0.3    0.3	
[ I - N       	SHD-12   	611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	] ] ]	1 5	ודריד	1	c i	] 1	С	G7405	3-WF3  C-BH  C-DT	0.11 0.11 0.11	
] I-N  	1DB3-S 	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	1	18 1	FT	1	сi	E	С	3373.1 1	13-WF3		
I-N	I R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE			FT	c I		S [	С			0.5	
] I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	1	6 1	TI	c		s l	-	I	13-WF3	0.6	
] ]I-N		i i	CONCRETE 2 SAW CUT AND BREAK MECH				c I	1	SI		I	SR3AS	0.5	
1   I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	i		FT	c i	i	SI	С	Ì	SR3CS		
I-N	1	  114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i	9	FT   TN		1 C 1	s i I	-	3	SR4AL	2.2	<u></u>
] I–N[ ] I–N[	AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH			ET	c i		SI		l	SR3AS	2.1	
I I -N         	1	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1	64   H 1   1	FT ( EA   TN	I		i I	С	[G7453 	C-BC  C-BH  3SWF4	]   3.4    3.4    6.8	
	1	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE			ΓT	c i	CI	si	С	i I	C-DT	I 1.	
  IN  	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	ĺ	15 0	CYÌ	C   	c I	S [ [	Ċ	(G7409	i	0.51	
I-N    I-N  	1EB3SL   	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		85 1 2]0	FT  FT  CY	c   	с I с I	İ	С	3376.1	1	1.2	
	1-3SLB   	[ [322048]	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R		1) 1) 1)	CY	CI	c i		С	3373.2	1	0.1  	
I-N   	1-35LS 	  322144	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND		2 1 2 1 1 0	EA   EA	с     	с   с	S     	С	3373.2	  3-WF3   	i 0.31	

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09/05/17 11	:36				PSS -	DESIGN	GAS AND E REVIEW CO	OPY - D	ETAI							P	AGE NO 160
ROJECT: 25	3568 JOB:	01 1	REV:0 TYPE	UD N	IAME: P	ROLANDO	BLK 7G2 -	-T&C JO	в 1				5	TATUS: AC			R: 2960700
ESIGN: 01	NAME: RO	LANDÓ	BLK 7G2 T&C J	ов 1			STATUS	: ACT									<b></b>
		02 DI:	STRICT: CM	DESIGNE	ID BY:	GEORGE	BONNER							E: 999-99		LOCATIC	N 140 OF 58
F-CIMU ID	  AU ID  STO	 CK#[	DESCRIP					QTY   RQD	  UM	WRK	<u>MAT</u>   RSP +	TIM	ACC     TRT	STANDARD PAGE	TYPË +	HOURS   ++	
1 1-N	I	1	TC-LANE CLOSU	RE URBAN	I STRÉÍ	ET		I	1   EA	   C 	l	(5	   C   		   TC3 	1.0	
I-N	LN/S/S		LANE CLOSURE	URBAN SI	r (stri	EET REPA	AIR)	Ì	1   EA	i c	1	S	C		TC4 	1.0  	
I-N			REMOVE/REPLAC	E LANDSC	APING			1 1	0 I F'I	i c	i i	S				1.01	
I-N	XING-U     114	215[	TC-TRAFFIC CO ASPHALT, CO		S STREE	ET CROSS	SINGS	i	1   FT 1   TN		i i c	i s I	( C 		i TC4 I	] [	
		l	TRAFFIC COND.	(XING I	LANE) S	STREET F	EPAIR			c I					TC4		
							SI	EE SHT	13 								
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ROJECT: 25	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLANI	0 BLK 7G2 T&C JOB 1 STATUS	: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO:	NE: 999-99	999	LOCATIC	ON 141 OF 58
WRK  F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	J UM	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	I C	G7453	(3-WF3	9.11	
I-N  	BKF-3'	ŧ i	BACKFILL TRENCH 3 FOOT DEEP			(C			i c I	l	3-WF3   C-BC	0.4    0.4	
   -N   	1	611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	2	TN	I	   C   		C   	G7405 	C-BH  C-DT	0.1 0.1 0.1	
I – N   	1	  249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	24	FT	i c l		S	1	3373.1	İ	0.4	
I-N	R-XCES	[X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 24 i 3	(CY	i c I	с	Ş	C 	i 1	  C-DT 	i 0.6	
I-N J			CONCRETE 2 SAW CUT AND BREAK MECH		l FT	   C		S		1		1.0	
I-N	ICF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	24	FT	l C			l C	1	  SR3CS	0.1	
I-N  1 1	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		   FT   EA   TN	i		S	•	  G7453   	  C-BC  C-BH  3SWF4	0.3	
I-N	F	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	j 8	CY	i c I		S	l	 	   C-DT 	0.7	
	SLR-18 	1   1  656400[ 	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 2	   FT   CY 	i C I		S		G7409 	  3-WF3   	 	
E-N    	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 8 1 8 1 1	FT   FT   CY	C	•	S	C   	3376.1	3-wf3   [	0.1	
[-N] ] ]	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA CY	C		S	1	3373.2		0.1	
[-N]	  LN-S/U			i ı		i c		S			   TC3	1.0	
-N (	   ln/s/s		LANE CLOSURE URBAN ST (STREET REPAIR)		   EA		1     1	S			   TC4	1.0	
WORK FAC FUNC CODE			EXIST TAG NEW TAG				TRUCI	TION	NOT				

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9/05/17 1			SAN DIEGO GAS AND DPSS - DESIGN REVIEW C								 ''''' ₩^₽	K OPPE	R: 2960700
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2							AC			
			D BLK 7G2 T&C JOB 1 STATUS										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	99 I	OCATIO	N 142 OF 58
F-CIMU ID	  AU ID   !	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
I-N!	3'HD-A	l	HAND DIG TRENCH 3 FT DEEP AVE					S	C	G7453	3-WF3	7.0	
I <b>-N</b>	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	1 18	በምጥ	ic	i i	i s I	i c I	] 	3-WF3   C-BC	0.3  0.3	
I-N    	   SHD-12	    611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	TN	·	С	s	l	G7405   	C-BH    C-DT	0.1  0.1  0.1	
I-N  	i i	i 2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 18 i 18	) FT   FT	1	l c	S 	1 C	(3373.1 1	  3-WF3    	0.3	
I-N]		1	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18   2	FT	j	[	S	C 	·	C-DT	0.5	
E-N	CC-2CT	1	CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	i c		15	c	,   	   SR3AS   	0.7	
 I-N[	  CF-H12	l	FINISH CONCRETE SURFACE MAN 12 IN	18	FT	i c	İ	s	[ C	1	SR3CS	0.1	
I-NI		i	ASPHALT 2 SAW CUT AND BREAK MECH	i 27	FT	l C	i .		I C	i	SR3AS	0.7	
I-N	- I - I'	i 114201	ASPHALT BÀSE MECH 18 IN ASPHALT (BASE)	1 27	FT   TN	1 1 1	[ [ C	i s i	1	1	  C-BC    SR4AL	0.7	<u> </u>
I-N    	BH03XH	x20201  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	57   43   1	FT   EA   TN	ic	1   C   C	] S   	C   	G7453   		2.3  2.3  4.6	
I-NI I	REM-3'	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 171	FT	c j	Ì	S	C	1	C-DT	15.0  	
1 1-N1	SLR-18	656400i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	47   3	FT  CY	'] C	   C	S	C 	G7409 		0.1  	
I-N    	1   1	249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	47   47   1	IFI IFI	ri c N	1   C   C	S   	i c I I	3376.1   	3-WF3	0.71	
I-N    	1-3SL8  	321878 656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	1   1   1	EA   EA   CY	L.	ן ען ען	S   	C 	3373.2   		1   1	
I-N	  LN-S/U	1	TC-LANE CLOSURE URBAN STREET	j I	EF		1	S	C	İ	TC3	i 1.0i	
 I~N		Í	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EZ	LI C	1	S	i c	Ì	TC4	1.0	
 I-N[	  PLANTU		REMOVE/REPLACE LANDSCAPING						   C	•	  3-WF3		

P2001EM2-LOCAL40-001 99/05/17 11:36	SAN DIEGO GAS AND EI DPSS - DESIGN REVIEW COI	OPY - DETAIL	163
ROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -		
ESIGN: 01 NAME: ROLAN		: ACT	
OCATION: 142 SHEET: 02	DISTRICT: CM DÉSIGNED BY: GEORGE BONNER		
WRK      F-C[MU ID  AU ID  STOCK#	1	QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS	
I-N   XING-U      114215	   TC-TRAFFIC CONDITIONS STREET CROSSINGS   ASPHALT, COLD MIX	1 1 FT  C 1   S   C     1TC4   0.1]	
I-NI [XING/S]	TRAFFIC COND. (XING LANE) STREET REPAIR	1 1 FT C    S C     TC4   0.1	
WORK FAC	EXIST TAG NEW TAG	CONSTRUCTION NOTES	
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ROJECT: 25	3568 ŭ	TOB:01	REV:0	TYPE: UD	NAME :	ROLANI	OO BLK 7	/G2 −T&	C JOB	1				ŝ	STATUS: AC	T WO	RK ORDE	R: 29607
				T&C JOB 1				TUS: A	СТ									
CATION: 1	43 SHEE	T: 01 I	DISTRICT:	CM DESI	IGNED BY	(: GEORG	GE BONNE	R						PHOI	NE: 999-99	99	LOCATIO	N 143 OF
WRK  F-CIMU ID	  AU ID	 STOCK#	D:	ESCRIPTION,	/constru	JCTION 1	NOTES								STANDARD PAGE		EST    HOURS	
I-N	3'HD-A	1		G TRENCH	3 FT DEE	EP AVE			30	FT	с		S	i c	G7453		11.3  	
	  BKF-3'  		BACKFIL	l trench 3	FOOT DE	EEP			30	FT	с	   	\$ 	C   C	   		0.5	
[ -N    	  SHD-12  	611492[ 	SHADE T SAND,	RENCH WITH FILL RECY	SAND - YCLED MF	12 INCH ATLS PRI	H WIDTH EFFERED		30 2	FT		   C 	-	i C 1	G7405	(3-WF3  C-BH  C-DT	0.1    0.1    0.1	
i i i	1DB3-S	    249664	1-3 IN CONDU	DB CONDUIT IT DB 3 IN	SEÇ 20 FT I	LENGTH	•	]	30	[ FT [ FT		   C	• -	C 	  3373.1 	]  3-WF3 		
-N   			EXCESS DUMPI	TRENCH SPO NG FEE	IL (12	IN DEE	P)	[   	30	•	i c	   C				C-DT	0.81	
 [N	   PLANTU		REMOVE/	REPLACE LA	NDSCAPIN	NG		1	5	FΤ	, c		S	i c	1	3-WF3	1 0.5	
] [-N]	  CC-2CT	 	CONCRET	e 2 saw cu'	T AND BE	REAK M	ECH		25	FT	i c	1	l S	Ċ	1	SR3AS	1.0	
с-ы	  CF-H12	1   1	FINISH	CONCRETE S	URFACE	MAN 1	2 IN		25	FT	i c	1	15	ļc		sr3cs	0.1	
 [-N    	1	2496641	CONDU	EB CONDUIT IT DB 3 IN Y MIX, 1 S	20 FT 1	LENGTH		· [	47 47 1		i	C	Ì	Ì	  3376.1   	  3-WF3   		
 [-N] ] ]	1 · · · ·	321878	BEND	DB 45 D 36 CONDUIT DB Y MIX, 1 S	3 IN 45	5 D 36 1			1		]		i i		3373.2   	3-WF3   	0.1  	

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Block 7G2 UUP Attachment E – Technical Specifications

			REV:0 TYPE: UD		BLK 7G2 -T&	с јов	1				2	STATUS: AC	T WO	RK ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1		STATUS: A										
OCATION:	144 SHE	ET: 01	DISTRICT: CM DES	IGNED BY: GEORGE	BONNER						PHO	NE: 999-99	99	LOCATIO	N 144 OF 58
WRK  F-C MU IL	  AŬ ID	[    STOCK#	DESCRIPTION	CONSTRUCTION NOT	'ES	QTY RQD	   UM	WRK  RSP	MAT   RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	*
I−N	3'HD-A	;	HAND DIG TRENCH	3 FT DEEP AVE	1	24	FT	C		S	С	G7453	3-WF3	9.11	
I-N  	BKF-3'	i i	BACKFILL TRENCH 3	FOOT DEEP				i c				 	3-WF3  C-BC	0.4    0.4	
I-N	SHD-12   	  611492  	SHADE TRENCH WITH SAND, FILL REC			2	!	   	   C   	i	С	G7405   	3-WF3   C-BH   C-DT	0.1    0.1    0.1	
	1	i i	1-3 IN DB CONDUIT CONDUIT DB 3 IN			24 24	FT FT	C 	   C		С	3373.1			
I-N	R-XCES	[   [X30007]	EXCESS TRENCH SPO DUMPING FEE	IL (12 IN DEEP)		24	   FT   CY	i c	   C	~ 1	с	i I I		0.6	
I-N	   PLANTU 	i i	REMOVE/REPLACE LA	NDSCAPING		11	FT	l C	1 I 1 I	SI	С	1	3-WE3	1.1	
I-N	CC-2CT	i i	CONCRETE 2 SAW CU	T AND BREAK MECH	E	13	FT	l C		S	С	İ	SR3AS	i 0.5	
I-N	  CF-H12	•	FINISH CONCRETE S	JRFACE MAN 12 I	N	13	I FT	i c		S I	с	Ì		0.1	
	1	[X20201]  114215	MACH DIG TRENCH TRAFFIC BEARING ASPHALT, COLD M	STEEL PLATE		4	   FT   EA   TN	1	       C   ] C	S I	с	G7453   	C-BH  3SWF4	0.2	
i I-Ní Í	ĺ		TRENCH SPOIL 3 F DUMPING FEE	I DEPTH			   FT   CY		1 1 1 1 1 C 1	5   	С	I	ic-dt	0.4	
I-N	SLR-18 		BACKFILL SLURRY 1: SLURRY MIX, 1 SA		DEEP [		FT     CY				с		  3-WF3 		
I-N	1EB3SL   	  249664   656400[	1-3 IN EB CONDUIT	20 FT LENGTH	1 [ ]	5 1	FT   FT   CY					İ		1 I	
I-N	LN-S/U		TC-LANE CLOSURE U	RBAN STREET		1		с		S				1.01	
I-N	  LN/S/S	•	LANE CLOSURE URBAI				  EA	l c		 S	с			1.0	

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09/05/17 11:	:36	01	SAN DIEGO GAS AND ELECTRIC DPSS - DESIGN REVIEW COPY - DETAIL														P	AGE NO 166
ROJECT: 25	3568 4	JOB:01	REV:0	TYPE:	UD NAM	E: ROLANE	O BLK 7G2	-T&	с јов	1						T WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	ROLANE	DO BLK 7G2	T&C JOE	1		STATU											·
OCATION: 1	45 SHEI	ET: 01	DISTRICT:	CM D	ESIGNED	BY: GEORG	GE BONNER								Æ: 999-99	99 :	LOCATIC	IN 145 OF 587
WRK  F-C MU ID	AU ID	STOCK#	E	ESCRIPTI	ON/CONST	RUCTION N	NOTES	1	RQD	MM	RSP	RSP1	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
[-N  	1 <b>330926</b> 1	  162690	HAND HC QUAZI	LE 3309.	2 37"X 2	6" X 26"		l	1	EA	1	ÇΙ			3309.2		i l	
(-N	X09H26 	1626901	INSTALİ QUAZI					1	1 1	EA   EA	C (	c I	S	¢	3309.2	•	0.8  	<u> </u>
I-N	1-3SLB 	322048	1-3 IN   BEND	CONDUIT	DB 3 IN	90 D 36 J	RRY ENC IN R	   	6 6	EA	C 1	c i	i	С	3373.2	3-WF3 	0.3  	
l	     plantu	i i	SLURB     REMOVE/								Í		S	E		    3-wf3	. (	<u> </u>
WORK FAC FUNC CODE			EXISI	TAĠ	NEW TAG			SEE	SHT 1		ONS]	RUC:	rion	NOTI	ES			
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			-															
			D BLK 7G2 T&C JOB 1 DISTRICT: CM DESIGN															
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				NED BY: GEORGE BONNER							NE: 999-99			N 146 OF 5				
WRK[ F-C{MU II				DNSTRUCTION NOTES	QTY   RQD	UM	WRK  RSP	MAT     RSP	TIM	ACC TRT	STANDARD	CRÉW   TYPE	EST					
I-N  	AS-2CT	[ ]	ASPHALT 2 SAW CUT A	ND BREAK MECH	1 8	FT	+   C 	1 1	S I	С		SR3AS	0.2					
	AB-M18 	i i	ASPHALT BASE MECH ASPHALT (BASE)	18 IN	i 8 i 1		i c			С		SR4AL	0.21					
I-N    	I BHO3XH	  x20201   114215	MACH DIG TRENCH 3 1 TRAFFIC BEARING ST ASPHALT, COLD MIX	T DEEP BACKHOE TEEL PLATE	•	EA   TN	 			С	G7453	C-BH  3SWF4	0.6					
I-N]	REM-3 '	X30007	TRENCH SPOIL 3 FT I DUMPING FEE	)E PTH	15   4	CY	i c I	1 c	SI			1 1C-DT 1	1.3  					
I-N	SLR-18	656400	BACKFILL SLURRY 18 I SLURRY MIX, 1 SACH		45   3	CY	i c I	1 C I		С	G7409	i	0.1					
1 1-N 1 1	1EB3SL	249664   656400	1-3 IN EB CONDUIT SI CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACH	JURRY ENCASED ) FT LENGTH < SAND	180   4	FT   FT   CY	ic I 1	C C		С	3376.1	1	[ 2.5  [					
] I-N  	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN BEND CONDUIT DB 3 SLURRY MIX, 1 SACH	IN 90 D 36 IN R	2   2   1	EA CY	C   	C     C	S   	С	3373.2	1						
1-N]	LN-S/U		TC-LANE CLOSURE URBA	IN STREET	j 1	EA	.  C		S I	Ċ		1   TC3	1.0					
I-N!		i i	LANE CLOSURE URBAN	T (STREET REPAIR)	1 1		i c	• •	ទ	С		] ] TC4	1.01					
I-N  	[CC-WLK			CTION (5X5) FINISHED (3/4" ROCK MIX)	i 1		jσ	• •				i ISR3CS I	1.01					
WORK FF FUNC COL			EXIST TAG NEW T	 ?AG			CONS'	TRUCI	ION	NOT	 2s							
				S	EE SHT 1	3						<b>_</b>						

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OJECT: 25	3568 0	JOB:01	SAN DIEGO DPSS - DESIGN REV:0 TYPE: UD NAME: ROLANDO	BLK 7G2 -T&C JOB	1					STATUS: AC	T WOI	RK ORDE	R: 2960700
SIGN: 01	NAME :	ROLANE	0 BLK 7G2 T&C JOB 1	STATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE						PHO		99 1		N 147 OF 58
IRK  MUID		STOCK#1	DESCRIPTION/CONSTRUCTION NOT	TES   ROD	UM [	RSP	RSP	TRT	TRT	ISTANDARD	I TYPE	HOURS	
-N ]	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	24	FT			S	С	G7453	3-WF3	9.1	
-n	   BKF-3 ' 	i i	BACKFILL TRENCH 3 FOOT DEEP	24		с		IS	Ċ		3-WF3   C-BC	0.41	•
	   SHD-12 		SHADE TRENCH WITH SAND - 12 INCH W SAND, FILL RECYCLED MATLS PREFR		FT     TN		с		С	[G7405 ] ]	  -3-WF3   C-BH   C-DT	( 0.1) ) 0.1)   0.1	
ì	1	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	24	FT     FT	1	i C	I S	i c	3373.1	  3-WF3   	0.4	
-N   	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	24   3	   FT   CY 	C 		S	i c	1	  C-DT   	0.6	
[ -N	PLANTU		REMOVE/REPLACE LANDSCAPING		FT	i c	 	S	C	1	(3-WF3	2.4	
  -N  	Ì	i   X20201	MACH DIG TRENCH 3 FT DEEP BACKHOF TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 9 1 1	EA TN	C   		1	i C   	1G7453   	C-BC  C-BH  3SWF4	0.5    0.5    1.0	
-N  	REM-3'		DUMPING FEE	12	FT   CY	i C	1	S 	l C J		  C-DT 	1.1  	·
[	1	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN SLURRY MIX, 1 SACK SAND		IFT CY	   C 	   C	S	C	G7409		i 0.1	
-N   	l	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLÜRRY MIX, 1 SACK SAND	12	FT FT CY			Ĩ	C   	3376.1 	3-WF3   	0.2  	
-N    	1-3SLB   1	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURR: BEND CONDUIT DB 3 IN 90 D 36 IN SLURRY MIX, 1 SACK SAND	R   1				Ì		3373.2			
 [-N]	]  LN−S/U	1	TC-LANE CLOSURE URBAN STREET	1 1	I EA	[ C	1	S	1 C	]	TC3	1.0	
 [-N]	  LN/S/S		LANE CLOSURE URBAN ST (STREET REP)	1 ATR)   1	   EA	l [C	t I	l IS	C	l I		   1.0	

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Block 7G2 UUP Attachment E – Technical Specifications

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	17 11:	AL40-00 36					DPSS ·	- DESIG	GO GAS AN GN REVIEW	COPY	- DE'	FAII							I	AGE NO 16
ROJECI									DQ BLK 70											R: 2960700
					G2 T&C J				STAT	rus: A										
			ET: 01	DISTRIC	T: CM	DEŚIO	GNED BY	: GEOR	GË BONNEF	ર							NE: 999-9		LOCATIO	N 148 OF 5
F-C   M	JIDI	AU ID	  STOCK#1		DESCRIP				NOTES	1	RQD	ŪΜ	RSP	352	TIM  TRT	ACC TRT	STANDARD PAGE	CREW  TYPE	HOURS	
I-N  		3421-1	5142401	PAD 3 PAD	421 1-PH	ASE TI	RANSFOR	MER			1 1	EA   EA		1 . C 1	S [	С	 3421.1	3-AF4 	0.4]   [	
1 1-N i i	ł	X-XF1P			REP 3421	PAD	(1-PHAS)	E TRAN	SFORMER)	]	1	EA		1	ទេ	С	l	  35WF3 	]   0.4[	
I-N¦	1 1	TG-T-W	  812816	ŴIR	H GRD WI E BARE C	RE W/( OPPER	0 RODS #2 <b>-</b> 7 S'	(TRANS) TR SOF	/CAP) T DRAWN	1	1 8	EA  LB		1 C 1	S [ [	С	4510.1	35WF3 	0.2]   ]	
i I-N[ i	1	1-3SLB	322048	1-3 I BEN	N DB 90 D CONDUI RRY MIX,	T DB (	3 IN 90	D 36 1	RRY ENC IN R	1	6	EA EA		1 C 1	ន ( [	С	3373.2		0.31	
	FAC				ST TAG								CONST							
I	PD	PAD				D218	8242			SEE	SHT 13	3								

CATION: 149 RK    -C MU ID  AU -!	SHEE		0 BLK 7G2 T&C JOB 1 STATUS DISTRICT: CM DESIGNED BY: GEORGE BONNER	ACT									
RK    -C MU ID  AU 		T: 01 1	DISTRICT: CM DESIGNED BY: GEORGE BONNER										
-CIMU ID AU	ļ												149 OF 58
-NI IAS-	ID	 STOCK#1	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK   RSP	MAT   RSP	TIM  TRT	ACC TRT	STANDARD PAGE	CREW    TYPE	EST   HOURS	
	-2CT	1	ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	CI		S [	С		SR3AS [	0.51	
1 1 1 1	) J3XH I I	x20201  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	28 21 1 1	FT     EA [   TN	-C     	c   c	SI	с	G7453		1.1  1.1 _ 2.2	
1	⊻1—31 	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	28	FT	CI	1	5	с		C-DT	2.5	
i i	R-18  	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	84	FT   CY	С	C.	S	с	G7409	3-WE3	0.21	
1	-M18    	1142011	ASPHALT BASE & TOP MECH 18 IN GRIND ASPHALT (PER SF) ASPHALT (BASE) ASPHALT (TOP)	21   21   2   1	FT   SF	С	с	S	С	- 	C-BC    SR-3A  	1.4  1.4	
-N   1EP     [	B3SL    	 249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	66 66	FT     FT     CY	c	C C	S	С	3376.1   	3-WF3	0.91	
-N    1-3	3SLB     	3220481 6564001	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 2 1 2 1 1	EA   EA   CY	c	c c	S	C   	3373.2	3-WF3	0.1	
	-s/ʊ∣		TC-LANE CLOSURE URBAN STREET	i 1	EA	С	j		ίC	i			
-N   LN/		Í	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	С	İ	   S	. c	ŀ	TC4	1.0[	
		 114215	ASPHALT, COLD MIX		TN	С	i I C	l	іс 1	1	TC4 	0.1	
  XIX   M-	I NG/SI		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	с	• •	\$	, C	 			
ORK FAC UNC CODE Í	DESC		EXIST TAG NEW TAG			CONS	IRÚC'	FION	NOT	EŞ			

			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2										R: 2960700
SIGN: 01	NAME:	ROLAND		S: ACT			·						
CATION:	150 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	199 1	LOCATIO	N 150 OF 58
-CIMU IE	I I AU ID I	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	i RQD	UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
-N		L I	HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S 1	С	G7453 	3-WF3	5.2	
I-N   	BKT-3'  		BACKFILL TRENCH 3 FOOT DEEP		FT	C		S   	С	1	3-WF3  C-BC	0.2	
I-N    		611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	13	TN 	l	С		С	Ģ7405   	C-BH   C-DT		
:−N     		249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	   13   13	FT   FT	l	с	S   	С	3373.1 	I	0.2	
	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	13   2	FT  CY	I C	С	5   	с	 	l IĊ-DT I	0.3	
-N	CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	13	FT	I C		   S	С		I SR3AS	0.5	
	  CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	i 13		i c		្រោ	с	Ì	  SR3CS	0.1	
-N		  X20201   1142151	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		EA TN	i c 1	i c i c	S       	С	G7453   	C-BH  3SWF4	0.2 0.2 0.4	
-N   	REM-3'	  X30007[	TRENCH SPÒIL 3 FT DEPTH DUMPING FEE	1 5	FT   CY	1 C 1	1	1   1 S   [		l I	IC-DT	0.4	
-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15 I 1	ICY	C 	с	i i	С	G7409 	3-WF3 	I I	
-N		249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		FT	C 	c c	S   	с	3376.1	3-WF3   	0.1	
-N     	1-3SL8  	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX 1 SACK SAND	1   1	EA  CY	I	c		с	3373.2   	[ [	0.1	
N	LN-S/U	1	TC-LANE CLOSURE URBAN STREET	i 1	EA	   C	i	S	С	l		1.0	
-N	  LN/S/S]		LANE CLOSURE URBAN ST (STREET REPAIR)			   C				 	   TC4		

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0001EM2-LO	:36		SAN DIEGO GAS AND DPSS ~ DESIGN REVIEW (	OPY - DE								P	AGE NO 172
ROJECT: 25		TOB • 01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				s	TATUS: AC			R: 2960700
ESIGN: 01	NAME	RÓLANDO	D BLK 7G2 T&C JOB 1 STATUS	: ACT									
		·m. ^1 1	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	7E - 999_99	99 :		N 151 OF 587
WRK  F-C MU ID	  AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   ROD	l I I UM 1	WRK RSP	MAT	TIM TRT	ACC   TRT	STANDARD PAGE	TYPE	HOURS	
I-N[	3'HD-A	L I	HAND DIG TRENCH 3 FT DEEP AVE	18	FT	С		S	I C	G7453	3-₩E3 	[ 7.0]	
I-N	  BKF-3' 		BACKFILL TRENCH 3 FOOT DEEP	18		с			i C	1	[3-WF3 [C-BC	0.3	
1 I-N1 	  SHD-12   		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	FT   TN		   C	•	   C   	G7405	C-BH  C-DT	0.1	
1	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	•	FT   FT		     C	   S 		3373.1	  3-WE3   	0.3	
. 1	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		FT   CY	С	¢	. ~		1 ] 	IC-DT	0.5	
I-N	PLANTU	i i	REMOVE/REPLACE LANDSCAPING	18	FT	C	1	15	Ċ		3-WF3		
1-N  	]	  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	FT   EA   TN		C   C	1	C   	G7453		0.2	
I-N  	] REM-3 '	x30007i	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	•	  FT  CY	l Ċ l	l c	   S 	i C	L 5 1	C-DT		<b></b> .
I-N   	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT  CY				i c	G7409 	3-wf3		
I-N    	)1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5	FT FT CY			1		F	3-WF3   	0.1	
[ I-N!			TC-LANE CLOSURE URBAN STREET	1 1	EA	, c	l	S	i c	1	TC3	1 1.0	
I-N!	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	i I C	l	[ <b>S</b>	   C		] ]TC4	1.0	

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CONSTRUCTION NOTES

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Block 7G2 UUP Attachment E – Technical Specifications

9/05/17 11  ROJECT: 25		JOB:01	REV:0	TYPE: UD		ROLANDO BLK	7G2 -T&C JO								RK ORDE	R: 2960700
						: GEORGE BON										N 152 OF 5
WRK! F-C MU ID	AU ID	STOCK#	E			CTION NOTES	RQD	UM	RSP	RSPI	TRTI	[RT]		TYPE	HOURS	
I-N	1330926 1	  162690	HAND HC QUAZI		37"X 26"	X 26"		í   EA 1   EA	i c i	c i	SI	C I	3309.2	3SWF3	0.8	
I —N   	1 ]X09H26 ]	l I	INSTALL	EXCAVATION TE BOX 37"2	N/REMOVE X26"26"			l   EA 1   EA	1 C I	C I	S I I	C   	3309.2	  35WF3 	0.8	
I-N]	1-3SLB	322048	1-3 IN BEND	CONDUIT DB	3 IN 90	ND SLURRY EN D 36 IN R		3   EA 3   EA	i i	c	S   	C   	3373.2	i -	0.2	
	] ] ] PLANTU	656400      	SLURR REMOVE/	Y MIX, 1 SP REPLACE LAN	ACK SAND	G		L	       C	1	1	1		1		
IORK FAC																
			EXIST	'TAG NEV	W TAG		SEE SHT		CONSI	RUCT	ION 1	JOTE	S			
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OTECT: 25	3568 3	IOB: 01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				\$				R: 2960700
SIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	99 :	LOCATIO	N 153 OF 58
RKI -CIMU ID	  AU ID	  STÓCK#	DESCRIPTION/CONSTRUCTION NOTES	I QTY	  UM	WRK  RSP	MAT RSP	TIM   TRT	ACČ TRT	STANDARD	CREW   TYPE	EST    HOURS	
[-N]	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	1 18	FT	сI		S	С	G7453	3-₩₽3	7.0	
-N	1		BACKFILL TRENCH 3 FOOT DEEP			C		[ 5	С	 	13-WF3 16 <b>-</b> BC	0.3  0.3	H 100
		I 1	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	FT     TN		с		C	G7405 	  3-WF3  C-BH  C-DT	0.1	
i	i	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 18	   FT     FT	l	с		С	3373.1	  3-WF3 	0.3	
1	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 18	FT   CY	сі	с		С	1	  C-DT   	i 0.5	
(-N	PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	С		15	С		  3-WF3 	1.8	
	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i 6 i 1	FT EA TN		C C			l	C-BC  C-BH  3SWF4	0.3 0.3	
 [-N	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 8	FT CY	С	c			1	IC-DT	0.7	 
i	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	2	FT CY		l C				3-WF3 	i	
,	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	8   8	FT FT CY	С		Ì	[ 	[	3-WF3   	[ 0.1	[
	1-3SLB   	322048 656400	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 1	EA EA CY	1	C	S   	   	13373.2   	  3-WF3   	1 -	
	LN-S/U	1	TC-LANE CLÓSURE URBAN STREET	i 1		i c	l	l I S	i c	İ.	   TC3	1.0	 
	[  LN/S/S	1	LANE CLOSURE URBAN ST (STREET REPAIR)		  EA			   S			   TC4		

ROJECT: 25	3568	JOB:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW ( REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				\$	STATUS; AC	T WO	RK ORDER	R: 2960700
ESIGN: 01	NAME	ROLAND	0 BLK 7G2 T&C JOB 1 STATUS	5: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NÉ: 999-99	99	LOCATION	N 154 OF 587
WRKI F-CIMU ID	  AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	I QTY RQD	  UM(	WRK RSP	MAT RSP	TIM TRT	TRT	STANDARD	TYPE	HOURS	
I-N[	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	1 25	FT ]	С		s	¢	G7453	13-WF3	9.51	
	1	1 1	BACKFILL TRENCH 3 FOOT DEEP	1 25	FT   	¢					IC-BC	0.41	
[ I – N [ [	1	  611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	! 2		-	I I	S	С	G7405   	3-WF3  C-BH  C-DT	0.1	
Σ-N [	1DB3-S 		1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	25	FT		i C i	S	с	3373.1	3-WF3 	0.4	
E-N  	R-XCES 	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	I 25	  FT   CY	c		S		 	1	0.6  	
I-Nİ	plantu	i i	REMOVE/REPLACE LANDSCAPING	1	I  FT	с		s	с	l	[ [3-WF3	0.11	
I-N		i i	CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	с				l	SR3AS		
I-N		1	FINISH CONCRETE SURFACE MAN 12 IN			С	i i	S		Ì	SR3CS	1 I 1 I	
 	l I	  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5   4   1	EA     TN	С		S		G7453 	C-BH  3SWF4	0.2[   0.2[   0.4	
	REM-3'	[X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	CY	C		S	С	-   	C-DT	0_4 _   0_4 _	
I-N  ]	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT     CY	С	I C I	S	С	G7409	1	E i L i_	
ſ-N[   	1EB3SL   	2496641 6564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 5		С		S	С	3376.1	3-WF3   	i i 1 I_	
	1-3SLB 	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1   1	EA   CY	с		s		3373.2	i.	0.1	
[-N	LN-S/U		TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	С		S J	с		TC3	1.01	
 I-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	   1	  EA	с		S I	с		   TC4	   1.0	

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CONSTRUCTION NOTES

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ESTON: 01	NAME	- POT 3ND	BLK 762 TAC TOB 1	STAT	US: ACT									
				GNED BY: GEORGE BONNER						DILON	m. 000 00	99 1	LOCATIO	N 155 OF 58
WRK				GNED BY: GEORGE BONNER	QTY		WRK	MAT   Jodi	TIM	ACC	STANDARD	1 TYPE	HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT	AND BREAK MECH	10	FT	C	1	5	CI		SR3AS	0.3	
I-N    	 	X20201   114215	TRAFFIC BEARING ASPHALT, COLD MI	FT DEEP BACKHOE STEEL PLATE X	15    12    1	FT     EA     TN	с     	c I c I	S	С	G7453	[C-BC [C-BH ]3SWF4	0.6    0.6    1.2	
I <b>—N</b> [	   REM-3 ' 	  1    X30007	TRENCH SPOIL 3 FT DUMPING FEE		   15    4	FT   CY	c j	С	s			  C-DT   	i i	
I-N	SLR-18 	656400	BACKFILL SLURRY 18 SLURRY MIX, 1 SA	IN WIDE X 12 IN DEEP CK SAND	45	FT   CY	C I	с		С	G7409	3-WF3	0.1  	
	AS-M18     	x20022   114201   114202	ASPHALT BASE & TO GRIND ASPHALT (P ASPHALT (BASE) ASPHALT (TOP)	P MECH 18 IN ER SF)	10   10   1   1	FT     SF     TN     TN		000	i s I	c	   	C-BC  SR-3A   	0.7    0.7  	
I-N[	  1EB3SL   	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA	20 FT LENGTH	[   97   97   2	FT     FT [	сI	Ċ	\$ 		3376.1	  3-WF3     	1.4	
I <b>-N</b>     	1-3SLE	322048	1-3 IN DB 90 D 36	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R ICK SAND	2		1	с с		l -	i	3-WF3   	0.1	
			TC-LANE CLOSURE UR	BAN STREET		• •	С		S		i		1.0	
 I-N	  LN/S/S	 5[	LANE CLOSURE URBAN	I ST (STREET REPAIR)	1 1	EA	с		\$		•		1 1.01	
work FAC FUNC CODE	DESC	;	EXIST TAG NEW	/ TAG		C	ONS	IRUĆ	TION	NOT	 ES			
					SEE SHT 1	3								

ROJECT:	253568	JOB:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOE	1					STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: C	1 NAME	: ROLANI	O BLK 7G2 T&C JOB 1 STATUS	S: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER									LOCATIO	N 156 OF 58
WRK  F-C MU I	D AU ID	[   [STOCK#]	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	I I UM	WRK  RSP	MAT  RSP	TIM  TRT	ACC   TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
I-N	3'HD-A	[	HAND DIG TRENCH 3 FT DEEP AVE	20	[ FT	C	1	S	1 C	G7453	3-WF3	7.7	
I-N  	I		BACKFILL TRENCH 3 FOOT DEEP	20	FT	i c	i	I S	i C	1 1 1 1	3-WF3	0.3	
I-N    	  SHD-12   	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	20	FT   TN 	C   	1	S 	C 	G7405   	3-WF3  C-BH	0.1 0.1 0.1	
I-N	i		1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 20		i C I		3	1	12212-1	10-420	[ ]	
I-N I	R-XCES	i i	EXCESS TRENCH SPÓIL (12 IN DEEP) DUMPING FEE	i 20 1 2	CY	i c I	1 1 C	5   5		l		0.5 0.5	
I-NÍ	CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 20	  FT 	i c	1	i s		I	SR3AS	0.81	
I-N  [		i i	FINISH CONCRETE SURFACE MAN 12 IN	i 20	FT	i c		] S	•	Ì	ISR3CS	0.1	
I-N[		i i	ASPHALT 2 SAW CUT AND BREAK MECH	1 21		i c	i	S	[ C	i	I SR3AS	0.51	
I-N [	AB-M18	  114201[	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 21 I 3		i c		s	i c	[ [	IC-BC ISR4AL	0.61	
I-N	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	31   24   1	FT   EA   TN			5   		G7455   	C-BC  C-BH  3SWF4	1.2 1.2 2.5	
I-N] ]	REM-3		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	31	FT  CY		1	1 ċ 1		 ] ] 	  C-DT 	, <u>,</u> ,	
	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		CY	C 	l C	្រេ	( C 	IG7409 I	13-WF3	0.2	
	1EB3SL   	  249664[  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	46   46   1	FT   FT   CY	C	C   C	[ S   [	i c I	3376.1   	3-wf3   	0.6	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET		   EA	с		S		İ	 [ TC3	1.01	
I-N		I I	LANE CLOSURE URBAN ST (STREET REPAIR)			с	i	S	i c	İ	  TC4	1.01	
I-N		i i	REMOVE/REPLACE LANDSCAPING		FT	¢		S		İ	  3-WF3	1.0	
I-N]	] !XING-U !	i i	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX		[   FT   TN			S     S		i	   TC4 	0.1	

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DP001EM 09/05/1			01				DPSS	AN DIEG - DESIG	N REVIE	W COP	Y - DE								P#	GE NO 178
PROJECT	: 253	3568	JOB:01	REV:0	TYP	E: UD	NAME :	ROLAND	O BLK 7	G2 -T	&C JOE	31								: 2960700
DESIGN:	01	NAME	: ROLAN	IDO BLK 70	2 T&C	JOB 1			STA	TUS:	ACT									
LOCATIO			ET: 02	DISTRIC	: CM	DESIG	NED BY	: GEORG	E BONNE	IR								999	LOCATION	156 OF 587
IF-CIMI	. тъ		] I STOCK#	£ I	DESCRI	ρττον /ς	ONSTRU	CTION N	OTES		QTY   ROD	   UM	WRK   RSP	[MAT]	TIM TRT	ACC S	TANDARD PAGE	TYPE	EST    HOURS	
<del>}-</del> - ]I-N		+=	-+ 3	TRAFF	C COND	. (XINC	; LANE)	STREET	REPAIR	ર	1	-+	C	++	S	c		TC4	[ 0.1]	·_··
WORK FUNC		DESC	;	EXI	ST TAG								CONS	TRUCI	ION	NOTES				
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09/05/17	-LOCAL40-001 11:36	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	PY - DET	AII	1						PAGE NO 179
PROJĖCT:	253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1					STATUS: AC	CT WO	RK ORDER: 2960700
DESIGN: (	01 NAME: ROLAI	IDO BLK 7G2 T&C JOB 1 STATUS:	ACT								
		DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99	LOCATION 157 OF 58
WRK]  F-C MU ]	 ID  AU ID  STOCK:	 #  DESCRIPTION/CONSTRUCTION NOTES	QTY     RQD	 UM]	WRK RSP	MAT	TIM	I ACC	STANDARD	CREW  TYPE	EST    HOURS
I-N	3'HD-A	HAND DIG TRENCH 3 FT DEEP AVE	20	FΤ	С		S	I C	IG7453	3-WF3	[ 7.7]
I-N		BACKFILL TRENCH 3 FOOT DEEP	201	FT	С		S	1 C	1	3-WF3  C-BC	[ 0.3]
I-N    ]   ]		SHADE TRENCH WITH SAND - 12 INCH WIDTH 2  SAND, FILL RECYCLED MATLS PREFFERED	20    2			l C	S   		G7405   	3-WF3  C-BH  C-DT	0.1
1  I-N]   ]	1DB3-S	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 201		-		S	I C I	3373.1 	3-WF3 	1 1
I-N]   ]   ]	R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP) 7  DUMPING FEE	1 201 1 21		С		s		 		
1I-N1	PLANTU	REMOVE/REPLACE LANDSCAPING	1 20	FΤİ	С	•	s		1	3–WF3	2.01
I-N  	BH03XH     X20203	TRAFFIC BEARING STEEL PLATE	11    9    1	EA  TN	с		S		G7453   	C-BC  C-BH  3SWF4	[ 0.4  [ 0.4  [ 0.9
I-N    I-N	X3000'	     TRENCH SPOIL 3 FT DEPTH   DUMPING FEE	i 11    3	CY	С	i c	S	. –	l I	C-DT	
1 I 1 I 1 I 1	  SLR-18     656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	33    2				s		  G7409 		0.1
1-N  	1EB3SL    ]24966-   ]656400		46    46]   1]	FT   FT   CY	С	с с			3376.1   		1 1
I-N  	24820:    321878	1 -3 IN DB 45 D 36 IN R BEND CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) BEND CONDUIT DB 3 IN 45 D 36 IN R	2    1    2	CY  EA	С	C C	S	   	3376.1   		
I-N		TC-LANE CLOSURE URBAN STREET	I I		С		s	1 1 C	1		1.0
   I-N		LANE CLOSURE ÙRBAN ST (STREET REPAIR)	i 11		Ċ		S	1 1 C		TC4	1.01
II-NI		REMOVE/REPLACE LANDSCAPING	i 10i		C		s	l I C		3-WF3	1.01
] [ ]I-N  [		TC-TRAFFIC CONDITIONS STREET CROSSINGS	i 1 [ 1]		С	с	5	[   C 	[ [	TC4	0.11
I-N		   TRAFFIC COND. (XING LANE) STREET REPAIR					5	c l	 		

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09/05/1	7 11:3								ELECTRIC COPY - DETA	AIL		PAG	E NO 180
ROJECT	: 2535	68 JOB:01	REV:0	TYPE	; UD	NAME :	ROLANDO	BLK 7G2	-T&C JOB 1	1	STATUS: ACT	WORK ORDER:	2960700
		NAME: ROLAN	NDO BLK 7G2	T&C J	ОВ 1			STATU	S: ACT				
		SHEET: 02									PHONE: 999-9999	LOCATION	157 OF 587
WORK FUNC		DESC	EXIST	TAG	NEW	TAG				CONSTRUCTION			
									SEE SHT 13				
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OJECT: 2	53568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 ·					5	STATUS: AC	CT WO	RK ORDEI	R: 2960700
				STATUS									
				·									
				ENED BY: GEORGE BONNER									N 158 OF 58
WRK  F-C MU ID	(AU ID	STOCK#	DESCRIPTION/C		QTY     RQD  U	4 RSF	RSP	TRT	TRT		I TYPE	HOURS [	
I – N I	330926 	  162690	HAND HOLE 3309.2 37 QUAZITE BOX 37"X2	7"X 26" X 26"	1]E	₹  C	   C	S 	i c i	3309.2 	3swf3 	0.8   _	
1-N  	1X09H26	162690	INSTALL EXCAVATION QUAZITE BOX 37"X2	/REMOVE 26"26"	1 E2	4 į	l l c	S	С	3309.2 	1	0.8  	
I-N]   	1-35LB 	322048	1-3 IN DB 90 D 36 BEND CONDUIT DB 3 SLURRY MIX, 1 SAG	3 IN 90 D 36 IN R	5 E	7	i I c	S 	С	3373.2		0.3	
 I-N				DSCAPING	   1 F		1			1	  3-WF3	]   ] 0.1[	
WORK FA FUNC COD			EXIST TAG NEW	TAĠ		CONS	TRUC	TION	NOTE	ES			
				SI	EE SHT 13								
				S!	EE SHT 13			<b>-</b>					
				S	EE SHT 13		<b></b>	<b>-</b>					
				S)	EE SHT 13			<b></b>					
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				S:	EE SHT 13			±					
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Block 7G2 UUP Attachment E – Technical Specifications

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ROJECT: 25	3568	JOB:01	REV:0		NAME: ROLA	NDO BLK 7G2 -	-T&C JOB	1				S	TATUS: AC	T WOE	K ORDE	R: 2960	700
ESIGN: 01						STATUS	ACT									_	
CATION: 1	159 SHE	ET: 01			GNED BY: GEO							PHON	1E: 999-99	99 1	LOCATIO	N 159 C	Έ 58
WRKI F-CIMU ID				ESCRIPTION/	CONSTRUCTION	NOTES	QTY   RQD	  UM	WRK RSP	MAT	TIM] TRT	ACC   TRT	STANDARD PAGE	CREW	EST   HOURS	<u>.</u>	
+ I-N	AS-2CT	I I			AND BREAK		470	FT	с	1	Ś	ĊΙ		SR3AS			
i–n:	1	  114201	ASPHA	: BASE MÉC LT (BASE)	H 24 IN			FT	ប		S [				12.7		
I —N     	BH04XH   	X20201   114215	MACH DI TRAFE ASPHA	G TRENCH 4 MIC BEARING ALT, COLD MI		KHOE	   485   485   5	EA	1	c c	. 1	С		С-ВС  С-ВН	24.3 24.3 48.5		
[-N  	REM-4'			SPOIL 4 FT ING FEE	Depth		485   165	FT	i c	   C		с			58.2		
I-NI !	1	6564001		L SLURRY 24 Y MIX, 1 SA		2 IN DEEP	1 1455	FT CY	l C	l C	S	с	G7409	3-WF3 	4.4		
] [N] [ [		  248201   249664   663528	CONCE CONDU SPACE	JIT DB 3 IN	K (GRAVEL MI 20 FT LENGTH ATE 5 IN 2-W		485   10   485   81   81	CY  FT  EA	   	ן 1 ע 1 ע 1 ע 1 ע		С	3376.1   	3-WF3	6.8      		
[-N   -	l	13220481	BÉND		IN R BEND SI 3 IN 90 D 36 CK SAND		i 2		1	ן ניט ניט ניט	i i	С	  3373.2   	3-WF3   			
I-N	LN-S/U		TC-LAN	E CLOSURE UP	BAN STREET		1	EA	រ ប្រ	]	\$     \$	С	   r	TC3	1.0		
I-NI.	  LN/S/S		LANE CI	LOSURE URBAN	IST (STREET	REPAIR)	1 1	IEA	i c		5	С	1 E	[TC4	1.0		
 I-N	   plantü		REMOVE	REPLACE LAN	IDSCAPING		j 10	1   FT	ו   כ	 	S	С	1	3-WF3	] 1.0		

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Block 7G2 UUP Attachment E – Technical Specifications

			REV:0 TYPE: UD												R: 2960700
				MAPILS .								AC			
			0 BLK 7G2 T&C JOB 1												
			DISTRICT: CM DESIG									NE: 999-99		JOCATIO	N 160 OF 58
F-CIMU		STOCK#	DESCRIPTION/C			RQD	UM	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N  1		1 1	ASPHALT 2 SAW CUT			83	FT	ΙĊ	I I	s	ιс	J	SR3AS	2.2	
с—N     	BHO3XH   	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING S ASPHALT, COLD MIX	TEEL P		95   72   1	[ FT [ EA [ TN	C   	   C     C	S	1 C 1 1	G7453   	C-BH    3SWF4	3.8  3.8  7.6	
  -N  	REM-3'	[X30007]	TRENCH SPOIL 3 FT DUMPING FEE			95	FT	i c	       C	S	i c	] 	  C-DT   	8.4	
I-N   	SLR-18 	]	BACKFILL SLURRY 18 SLURRY MIX, 1 SAG	IN WIDA K SAND	E X 12 IN DEEP	285	I FT	C 		S	1 C 1	G7409 		0.6	
I-N      	   	X20022   114201   114202	ASPHALT BASE & TOF GRIND ASPHALT (PF ASPHALT (BASE) ASPHALT (TOP)			8	SF   TN   TN	   	C     C     C		1	1 1 1	C-BC    SR-3A  	5.6)   	
	1EB3SL     	[249664] [656400]	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAG	O FT LI K SAND	ENGTH	83   83   2	FT FT CY	C   		S	1 C 1 1	3376.1   		1.2	
1-N    	1-3SLB   	  322049	1-3 IN DE 90 D 36 D BEND CONDUIT DE 3 SLURRY MIX, 1 SAG	IN 90	D 36 IN R	2   2   3	IEA IEA ICY	C   	   C	S	1 C 1 1	3373.2   	3-WF3	0.1    	
I-N			TC-LANE CLOSURE URE	AN STR	EET							1 ]			
VORK FUNC C			EXIST TAG NEW	TAG		<u> </u>			IRUCI	NOIS	NOT	ES			
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ROJECT: 2	53568 3	IOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK	7G2 -T&C JOB	1				<u>ء</u>	STATUS: AC	T WO	RK ORDE	R: 2960700
SIGN: 01	NAME :	ROLAND		TATUS: ACT									
CATION:	161 SHEE	T: 01 1	DISTRICT: CM DESIGNED BY: GEORGE BON	NER					PHQI	NE: 999-99	99	LOCATIO	N 161 OF 58
			DESCRIPTION/CONSTRUCTION NOTES		M	WRK RSP	MAT RSP	TIM TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST     HÓURS	
[-N	3'HD-A	1											
[-]N   	BKF-3'[	1	BACKFILL TRENCH 3 FOOT DEEP	16     16	   FT 	с		S   :	с	1 1	3-WF3  C-BC	1 0.21 1 0.21	
 [-N]   		611492	SHADE TRENCH WITH SAND - 12 INCH WIDT SAND, FILL RECYCLED MATLS PREFFERE	H   16 D   1	FT TN	C	с	i s i	i c	G7405 	3-WF3  C-BH  C-DT	i I I I I I,	
[-N  	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	16   16	FT FT		1 1 C	S	i c I	3373.1 	3-WF3	i i	
[ [-N]	1 1	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 16 1 2	FT  CY	i c I	i I Ċ		C 1	[ ]	C-DT	0.4	
[-N]	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16		i c	[	( S	C	1	I SR3AS	1 0.6	
[-N]		i i	FINISH CONCRETE SURFACE MAN 12 IN		÷	C		S	i c		SR3CS	0.1	
 [N  [	1	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	7   1	EA   TN	İ.		] S   	i c l l	G7453   	C-BC  C-BH  3SWF4	0.4    0.4    0.7	
I-N  	Ì	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	9	FT			S	1	1	[C-DT	1	
I-N ]	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DE SLURRY MIX, 1 SACK SAND	EP   27	FT	I Ç	[	ĻS	C	G7409 	3-WF3	0.1  	
I-N    	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	9   9   1	FT   FT   CY	C   	1   C   C	S   	C   	3376.1   	3-WF3   	0.11 	
[-N    	1-3SLB	322048   656400	1-3 IN DE 90 D 36 IN R BEND SLURRY EN BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	IC   1   1   1	EA CY	C   	   C   C	i I	i c 1	3373.2 1		i 0.1	
I I-Nj	LN-S/U	1 I I I	TC-LANE CLOSURE URBAN STREET	i 1	   EA	i c	Į.	s	i c	i	TC3	j 1.0j	<u>.</u>
 I-N	i   ln/s/s	1 1 1 1	LANE CLOSURE URBAN ST (STREET REPAIR)	   1	i IEA	l c	1		   C				
NORK FA			EXIST TAG NEW TAG			CONS						. ,	

					DPSS - DE										
						ANDO BLK 7G								RK ORDE	R: 2960700
			DO BLK 7G2 T			STATI	JS: ACT								
CATION: 1	L62 SHEE					ORGE BONNER						HONE: 999-9		LOCATIO	N 162 OF 58
RK  -C MÜ ID	AU ID	]  STOCK∦		CRIPTION/	CONSTRUCTIO	N NOTES	I QTY I RQD	  UM	WRK  RSP	MAT  RSP[	TIM A TRT 1	CC STANDARD RT  PAGE	CREW	HOURS	
-N	1330926	1	HAND HOLE	3309.2 3	7"x 26" x 2		1	EA [	CI	c	S   	C  3309.2	(3SWF3	0.81	
-N  	1	  162690	QUAZITE					EA   EA	C I	     0	s   	c  3309.2	l (3SWE3) I	0.8	
-N	1-3SLB	322048	1-3 IN DB BEND CO	NDUIT DB	3 IN 90 D 3		5   5	EA   EA	сi	c	S   	c  3373.2	l i	0.31	
    -N		]	SLURRY : REMOVE/RE	,			1	1 1	i i	l	i.		    3 <b>-</b> WF3	L L	
ORK FAC UNC CODE			EXIST T.	'AG NEW	TAG			c	ONST	RUCT	ION N	OTES			
							SEE SHT 1	4							
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OJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T	C JOB	1				5	STATUS: AC	T WOE	RK ORDE	3: 2960700
SIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1 STATUS: J	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	JE: 999-99	99 1	LOCATIO	N 163 OF 58
		   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	ROD	UM	RSPI	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
-N	BH03XH 	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	18    14    1	FT   EA   TN	C   		S     	Ċ	G7453	C-BC  C-BH  3SWF4	0.7    0.7    1.4	
-n:	REM-3 ' 	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	18   5	FT  CY	C	с	S I	С	1	Ċ−DT	1.6  	
-N	SLR-18 [	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	54   4	FT	Í		S	с	G7409	3-₩F3	0.1	
l	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	75   75   2	FT   FT   CY	с і   	с С	S	с	3376.1   	3-WF3	; 1.1; ; 1.1; ; ;	
  N    	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA   CY	C   I	с с			3373.2 	3-WF3	0.1  	
 [	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	С		s	C	i	TC3	1.0	
 [-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)			C I		S	i c	i	  TC4 	1.0	
I-N	  3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	1 16	   FT[	с		Ś	1 C	G7453		1 6.31	
	  BKF-3' 		BACKFILL TRENCH 3 FOOT DEEP	   16 	ET   ET   	C		S	i c I	1 1	3-WF3  C-BC	0.2    0.2	
1-N    	SHD-12   	611492  	SAND, FILL RECYCLED MATLS PREFFERED		TN 1	İ	c	S   		G7405   	3-WF3  C-BH  C-DT 		<u> </u>
[-N] 	1DB3-5	  249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 16	]    FT[  FT    ]	С	l C	Ì	C	3373.1 	3-WF3	0.2	
-NI	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT]	Ċ	I	s	i c	İ.	C-DT	0.4	
E-N	ICC-2CT		DUMPING FEE CONCRETE 2 SAW CUT AND BREAK MECH FINISH CONCRETE SURFACE MAN 12 IN	1 16	FT	с	1	S	; c	ь   Г	SR3AS	0.6	
  -N	I CF-H12	   <b> </b>	FINISH CONCRETE SURFACE MAN 12 IN	16	, FŤ.	С		\$ 	i c		SR3CS	0.1	
NORK FAC	-		EXIST TAG NEW TAG			CONS			Mom	20			

ROJECT: 25	3568	JOB:01	REV:0 TYPE:	UD N2	AME: ROLAN	IDO BLK 7G2 -	-T&C JOB	1				1	STATUS: AC	T WOR	K ORDE	R: 2960700
			0 BLK 7G2 T&C JO													
			DISTRICT: CM											99 I	LOCATIO	N 164 OF 5
VRK  F-C MU ID	]  AU ID	  STOCK#	DESCRIPT	ION/CON	STRUCTION	NOTES	QTY   RQD	I UM	WRK  RSP	MAT RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW    TYPE	EST   HOURS	
I — N	AS-2CT 	1 ]	ASPHALT 2 SAW	CUT ANI	D BREAK N	íECH	30	FT	C I	l –	IS.	С	I	SR3AS	0.8	
Г—N     	BH03XH   	  X20201   114215	MACH DIG TRENC TRAFFIC BEAR ASPHALT, COL	ING STER	DEEP BACH EL PLATE	THOE .	4 <u>1</u>   31   1	FT EA TN	i c   	   C   C	S	C	G7453   	C-BC    C-BH    3SWF4	1.6 1.6 3.3	
[-N    	] REM-3' ]	X30007	TRENCH SPOIL DUMPING FEE	3 FT DEI	PTH		41   11	FT CY	i c	i i c	1	с	i	1 I	3.6	
	SLR-18 		BACKFILL SLURR SLURRY MIX,			IN DEEP	123   7	FT CY	C 	l I C	S	C 	G7409 	  3-WF3  	0.2	
[-N    	AS-M18     	[    X20022   114201  [114202	ASPHALT BASE GRIND ASPHAL ASPHALT (BAS) ASPHALT (TOP	r (PER : E)	MECH 18 I SF)	N	i 30   30   3	FT SF TN	i c   		S		i I	C-BC    SR-3A	2.0 2.0	
	12B3SL   	249664   656400	1-3 IN EB COND CONDUIT DB 3 SLURRY MIX,	IN 20 1	FT LENGTH		41   41   1	FT FT CY	C   	   c   c	S	C 	3376.1   	3-WF3  	0.6	
1	1-3SL8 	[656400	1-3 IN DB 45 D BEND CONDÙIT SLURRY MIX, 1				1   1   1	EA EA CY	i c   	   C   C		i c	3373.2 	3-WF3    1   1   1   1	0.1	
-N		i i	TC-LANE CLOSUR	e urban	STREET		1	ΞA	I C	İ.	S	i c	1	TC3	1.0	
-N1	LN/S/S	i i	LANE CLOSURE U	RBAN ST	(STREET F	EPAIR)	i 1		i c	i		с	l	[  TC4 [	1.0	
-N!	IXING-U	i i	TC-TRAFFIC CON ASPHALT, COL	DITIONS D MIX	STREET CF	ROSSINGS	1 1 1 1	FT	i c 1	i 1 c		с	 	[]  TC4   		
-N [	XING/S		TRAFFIC COND.	(XING L	ANE) STREE	T REPAIR	1 1	FT	i c	1	] S	С	Ì	TC4		
	PLANTU	• •	REMOVE/REPLACE	LANDSCA	APING								l			
NORK FAC UNC CODE			EXIST TAG	NEW TAC	G				CONS	IRUC:	TION	NOTI	ES			
						SE	E SHT 1.	4								

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			O BLK 7G2 T&C JOB 1		STATUS:	ACT									
			DISTRICT: CM DESI		BONNER						PHON	E: 999-99	99 I 	LOCATIC	N 165 OF 58
WRK  F-C[MU ID	AU ID	STOCK#	DESCRIPTION/	CONSTRUCTION NO	TES	I RQD	UM	RSP	RSPI	TRT	[ TRT	STANDARD PAGE	TYPE	HOURS	
	3'HD-A	1 1	HAND DIG TRENCH 3			15	FT [	сı	1	s	1 C 1	G7453	(3-WF3)	5.9	
I-Nİ	  BKF-3' 	i i	BACKFILL TRENCH 3	FOOT DEEP		15	FT ]	CI	1	S	C     		13-WF3	0.2	
  -N    	İ.	        611492  	SHADE TRENCH WITH SAND, FILL RECY	SAND - 12 INCH CLED MATLS PREF	WIDTĤ FÊRED	1	TN	Ì	CI	S		G7405	3-WF3   C-BH   C-DT		 
	1DB3-S 	2496641	1-3 IN DB CONDUIT CONDUIT DB 3 IN	SEC 20 FT LENGTH		i 15   15	FT	C	С	S	C   C 	3373.1	  3-\VF3   	i 0.2i	
     	R-XCES	X30007	EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)		15   2	IFT    CY	CI		S	l C		C-DT 	0.4	
I-NI	PLANTU	I I	REMOVE/REPLACE LAN	DSCAPING		i 15	FT  	С	i i	s	i c 1		3-WF3	1.5	
  -N    	i I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE		5   4   1	FT     EA     TN	C	C     C	S   	1 C   . 	G74.53 	C-BC  C-BH  3SWF4 	1 0.2   0.2   0.4	   
I-N	IREM-3'	]        X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		5   2	FT	с	i c	s	   C   		C-DT   	0.4	
	SLR-18	i i	BACKFILL SLURRY 18 SLURRY MIX, 1 SA		N DEEP	i 15 I 1	FT   CY	С	   C	S	C	(G7409	3-WF3   	1	 
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA	20 FT LENGTH		5   1	FT     CY			1	i I	l	3-WF3   		
 I-N	ILN-S/U		TC-LANE CLOSURE UR	BAN STREET		i 1	EA	с	i -	S	l I C	ĺ	TC3	[ 1.0	·
[ I-N;	  LN/S/S		LANE CLOSURE URBAN	I ST (STREET REP	AIR)						   C		ITC4		
WORK FAC FUNC CODE		<b></b> -	EXIST TAG NEW	TAG				CONS	TRUC	TION	NÒT	ES .			
					SEE	E SHT 1	4 								

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ROJECT: 25	3568 ,	JOB:01 .	SAN DIEGO GAS AND DPSS - DESIGN REVIEW C REV:0 TYPE: UD NAME: ROLANDO BLK 762	-T&C JOB	1					STATUS: A	CT WOR	K ORDE	R: 2960700
ESIGN: 01	NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-9	999 1	LOCATIO	N 166 OF 58
F-C MU ID	AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	ROD	( ÚM I	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	3'HD-A	]	HAND DIG TRENCH 3 FT DEEP AVE	15	FT	С		S	I C	G7453	3-WF3	5.9	
I-N   	] BKE-3' 		BACKFILL TRENCH 3 FOOT DEEP	15 	FT  	С	l r	S 	i c	1	3-WF3   C-BC	0.2	
I-N] ] ]	]	i i	SHADE TRENCH WITH SAND ~ 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	i 15 I 1	FT     TN   	•	с	S ] ]	C   	G7405   	C-BH   C-DT		
	]	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	   15   15	FT	с	С	] S ]	i c I	L	1	0.2	
-N	R-XCES	   [  X30007  	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15   2	FT	-	с	   S 	1	i I	  C-DT   	0.4	
I-N!		i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 15	ET	с		l I S		I	SR3AS	0.61	
I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	1 15		-		• -	• -	I		0.1	
I-N [	IBHO3XH	   X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	FT     EA     TN		c c	] S ] ]	( ¢ ( 	Ì	C-BH  3SWF4	0.2 0.21 0.4	
	1	  X30007    (	ASPHALT, COLD MIX TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 5	CY	С	С	I S	ſ	E I	i i	0.41	
	SLR18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15 I 1	FT     CY		с	I S	i c	G7409 	  3-WF3 	l I	
-N     	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT   FT   CY	С	C C	S   	i I	3376.1   		0.11	
:-N     	  1-3518   	      321,878   656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND		CY	с	с с	S   		3373.2 	3-WF3	l	
-N [	   LN-S/U		TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	1	<b> </b>  EA	С		   S	c	 	TC3	1.01	
- <b>N</b>	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	EA	С		S	C	1	  TC4	1.01	

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ROJECT: 25	3568 3	TOB:01	REV:0	TYPE:	UD NAM	E: ROLANI	00 BLK 7G2 -	-T&C JOE	1						RK ORDE	R: 2960700
			0 BLK 7G2 1				STATUS	•								
						··	E BONNER									N 167 OF 58
RK  -CIMU ID	  AU ID	   STOCK#		SCRIPTI	ON/CONSI	TRUCTION N	NOTES	QTY   RQD	  UM	WRK   RSP	MAT ' RSP '	TIM AC TRT   TI	C STANDAI TI PAGE	ND   CREW   TYPE	EST    HOURS[	
+	330926	 I 1626901	HAND HOLI	E 3309. E BOX 3	2 37"X 2 7"X26"20	26" X 26" 5"		]   1	EA   EA	C I	C I	S   (	13309.2	13SWF3	0.81	
-N   [	  X09H26 	162690	INSTALL I QUAZITI	EXCAVAT	ION/REM	OVE			EA)	сi	1 C	S [ 0 [	:  3309.2	I	0.8	
1	1-3SLB 		1-3 IN D BEND C	ONDUIT	DB 3 IN	90 Ď 36 I			BIEAI	C I	c i	1	2  3373.2 	3-WF3 	] 0.2]	
	[							1	1	1	E	1				
ORK FAC UNC CODI			EXIST	TAG			S	EE SHT :	L4			ION N				
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RÓJEĊT: :	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2								T WOI	RK ORDE	R: 2960700
			DO BLK 7G2 T&C JOB 1 STATUS										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	99 I	LOCATIO	N 168 OF 58
WRKI F-CIMU II	   AU ID	[   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   עַז	IWRK RSP	MAT   RSP	TIM   TRT	ACC   TRT	STANDARD	[CREW [TYPE	EST   HOURS	
I-N	AS-2CT	I I	ASPHALT 2 SAW CUT AND BREAK MECH	16	FT	) C	ſ	S	I C		SR3AS	0.21	
I–N[ [ [	l	  114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	6		] C	[ [ C	I S	I	 [	IC-BC ISR4AL	0.2	
I-N [ [ [	BH03XH   	X20201]  114215]	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1	EA   TN	1 ]		S		G7453   	C-BH  3SWF4	0.6 0.6 1.3	
I-N  [	REM-3 '	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 16	   FT   CY	] C	-			[	IC-DT	1.4	
[ -N[ [	[SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 3	FT   CY		l c	i	[ C [	  G7409 		0.1	
-N    	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 85 1 85	FT   FT	i c	l c	S   	C   	3376.1   !	3-WF3   	1.2	
	1-3SLB   	322048	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX I SACK SAND	1 2	EA  CY	i		1 S 1 1	l I	3373.2   	1	0.1	
-N1	iln-s/U		TC-LANE CLOSURE URBAN STREET	j 1		i c		s		È la chia	1 1 TC 3	1.0	
-N [			LANE CLOSURE URBAN ST (STREET REPAIR)			i c	i	I S	l C	1		1.0	
-N	  3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	i [ 18		I C	l	5		G7453		7.01	
-N	BKF-3 '	1 I	BACKFILL TRENCH 3 FOOT DEEP	   18 	  FT 			I S	C I	 	  3-WF3   C-BC	0.3	
-N     	SHD-12	611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT   TN   TN	   C   		S   	   	G7405 	[  3-WF3]  C-BH ] [C-DT ]	0 1( 0 1) 0.1	
-N	1	1 12496641	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	1.8	FT			S	ic I	3373.1	1 1	0.31	
I-N    	  R-XCES   	      X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE -	<u>1</u> 8   2	CY	i c	I C	1	i c	   		0.5	
-N	]   PLANTU	ι Ι [ ]	REMOVE/REPLACE LANDSCAPING	   18	•				l c	1	  3-WF3	1.8	

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### CONSTRUCTION NOTES

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ROJECT:	253568 J	OB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 70	62 -T&C JOB	1				5	STATUS: AC	T WO	RK ORDĚ	R: 2960700
	1 NAME:	ROLANDO		US: ACT									
OCATION:	169 SHEE	r: 01 I	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	99	LOCATIO	N 169 OF 58
F-C MU I	 D  AU ID  :	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSP	RSP!	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	++-  3'HD-A	I	HAND DIG TRENCH 3 FT DEEP AVE	17	[FT	1 C 1		s	ιс	G7453	3-₩F3	6.6	
I-N  i			BACKFILL TRENCH 3 FOOT DEEP	17	, I FT	ίσi		s	0 ] 	l	3-WF3  C-BC	0.31 0.31	
i I-N] 	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1 1	TN	1		S		1Ġ7405   	(3-WF3  C-BH  C-DT	0.1    0.1    0.1	
I-N  [	1 1	1 249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17   17	IFT	i c I	i c i	S	) C (	3373.1 	3-WF3	I I	
I-N  	1 1	i x30007;	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE '	1 17	FT  C⊻	i -	   C	S	1 C	1	C-DT	0.4	
1 I-N	   PLANTU	i i	REMOVE/REPLACE LANDSCAPING	i 17	ΪÉΤ	l C		s	i c	l .	]3-WF3	1.7	·
 I-N		i	ASPHALT 2 SAW CUT AND BREAK MECH	21	FŤ		n I	S	ιc	i	SR3AS	0.5	
I-N[ i	1 1	 114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	21	) FT	l ¢ I		s	10	Í I	C−BC  SR4AL	0.6	
I-N	BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	3]   24   1	FT   EA   TN	C 1		S	C   	G7453   	C-BC  C-BH  3SWF4	1.2	
I-N[	REM-3'  }	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	3	FT CY	   C 	i I	S	1 C	1	C-DT	2.7	
I-N1 1	i i	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 93	S CY	C 	1 1	S	1 C 1	IG7409 1	(3-WF3	0.2	
<b>I-N</b>     - N    - [	1EB3SL      	249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		I FT	i c I I	i c		ic I	3376.1   	3-WF3	0.7	
I-N	1-3SLB  	3220481 6564001	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA	.  C .  	l   c	S	i c 1 1	[3373.2 ]		1	
I-N  	1-3SLS      	322144  656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND		IIEA IIEA LICY	j C	1 1 C 1 C	S	i c   	3373.2   	3-WF3	0.7   	
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	LEA		i –	S	) C		[TC3	1 1.0	
  I-N]	  LN/S/S	1	LANE CLOSURE URBAN ST (STREET REPAIR)		I L   EA	L C	ļ	L S	l c			1.0	

Block 7G2 UUP Attachment E – Technical Specifications 347 | Page

DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COF	ECTRIC Y - DETAIL	PAGE NO 193
	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1	&C JOB 1 STATUS: AC	T WORK ORDER: 2960700
DESIGN: 01 NAME: ROLAN		ACT	
LOCATION: 169 SHEET: 02	DISTRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-99	99 LOCATION 169 OF 587
WRK       F-C MU ID  AU ID  STOCK#		QTY    WRK MAT TIM ACC STANDARD   RQD  UM RSP RSP TRT TRT  PAGE	CREW   EST
I-NI XING-U	   TC-TRAFFIC CONDITIONS STREET CROSSINGS   ASPHALT, COLD MIX	1   1   1     1!FT C    S C    1!TN   C  1	TC4 0.1
I-N XING/S	TRAFFIC COND. (XING LANE) STREET REPAIR	I IFTICI ISICI	TC4   0.1
WORK FAC	EXIST TAG NEW TAG	CONSTRUCTION NOTES	
	SEE	SHT 14	
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	2E2E60 TO		DPSS - DESIGN REVIE REV:0 TYPE: UD NAME: ROLANDO BLK 7	G2 -T&C JOB	1					STATUS: AC	T WOF	K ORDE	R: 2960700
				TUS: ACT								<b>_</b>	
									PHOI		99 I	LOCATIC	N 170 OF 58
					1 1	WRKI	мат		ACC	STANDARD	CREW	EST I	
F-CIMU I		STOCK#	DESCRIPTION/CONSTRUCTION NOTES	ROD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N		1	HAND DIG TRENCH 3 FT DEEP AVE	1 18	I FT 1	C 1		5	C	IG7453	13-WF3	7.0	
I-N  	  BKF-3'  	i	BACKFILL TRENCH 3 FOOT DEEP	18	FT   1	сi		S	с		3-WF3  C-BC	0.3 0.3	
   -N   		5114921	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	18   1	FT	С	c	S	С	G7405   	3-WF3  C-BH  C-DT	0.1 0.1 0.1	
E-N  	1DB3-S     2	 249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18	FT		İ	S	С	3373.1 	3-WF3	0.3	
I-N  	R-XCES	x300071	EXCESS TRENCH SPOIL (12 IN DEEP) DÜMPING FEE	1 18   2	CY	Ç	i I C		с	; 1	C-DT	0.5	
 [-N	PLANTU		REMOVE/REPLACE LANDSCAPING	6	FT	c	1	S	с	i	3-WF3	0.6	l
I-NI			CONCRETE 2 SAW CUT AND BREAK MECH	i 12	ΓT		l .	S	c		SR3AS	0.5	
 I-N	  CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	i c	I		c	1	SR3CS	1	
] I-N    	1  2	, x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	35 [ 27   1	FT EA TN	1 	   C   C	S   	i c I I	G7453   	C-BC	1.4   1.4   2.8	
  -N  	REM-3'	x300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	35 ] 9		ic	i –	   S 	C	1	C-DT   	3.1	Í
1 1-N  	1 19		BACKFILL SLURRY 18 IN WIDE X 12 IN DEE. SLURRY MIX, 1 SACK SAND	P   105   6	FT   CY	C . 	1 1 C	S	l C l	G7409 		0.2 	
I-N[   	1EB3SL     :	 249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	40   40   1	)FT  FT	i c I I	   C   C	i S		3376.1   		1	1   1
I-N    	1-3SLB  	322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA  EA  CY	; c   		I S	i c I	3373.2   	3-WF3		 [
I-N  1	1-3SLS  	322144  656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASE BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND		EA  EA	i C 1 1		S	1 C   	13373.2   	3-WF3	1 0.7	1     
 1-N	LN-S/U	[	TC-LANE CLOSURE URBAN STREET	1	IEA	C	i	S	i c	1	TC3		
 I-N[	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	j ÈA	, c	i		i c	ĺ		1.0	l <u></u>

Block 7G2 UUP Attachment E – Technical Specifications

	S AND ELECTRIC PAGE NO 195 VIEW COPY - DETAIL
PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BL	K 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
	STATUS: ACT
LOCATION: 170 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BO	
WRK	
WORK FAC FUNC CODE DESC EXIST TAG NEW TAG	CONSTRUCTION NOTES
	SEE SHT 14
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ROJECT: 25	3568 .:	TOB - 01	SAN DIEGO GAS AND EI DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	I&C JOB	1				5	TATUS: AC	T WOR	KK OKDE	R: 2960700
	NAME :	ROLAND	BLK 7G2 T&C JOB 1 STATUS:	ACT									
CATION: 1			DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 171 OF 58
	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY     RQD	 UM	WRK  RSP	MAT  RSP	TIM TRT	ACC	STANDARD PAGE	CREW    TYPE	EST   HOURS [	
	3 ' HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	1 16	FT	ÇΙ	1	S	C		[3-WF3]	6.3	
[-N	l		BACKFILL TRENCH 3 FOOT DEEP	16 	ET ] ]	C I	[	S	C		3-₩F3   C-BC	0.2	
-N  	SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	16   1	ET   TN		c	S		G7405	3-WF3   C-BH    C-D2		
 [- <u>N</u>   ]	1DB3-S 	      249664  	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 16 i 16	FT[ FT]		c [	S		3373.1	  3-WF3  	0.2	
-N	R-XCES	1   1x300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16   2	FT   CY	С	C 1	Ş	Ċ		C-DT   	0.4	
-n	ICC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1 16	FT	¢	ĺ	S	C I		SR3AS	0.61	
		i i	FINISH CONCRETE SURFACE MAN 12 IN	16	FT	С		S	C		SR3CS	0.1	_
 [-N  ] ]	1	1	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5   4   1	FT EA TN		C C	S	 	G7453	C-BC  C-BH  3SWF4	0.2    0.2    0.4	
  -N  	IREM-3'	1            X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5   2	FT CY	¢		s	l c		  C-DT   	0.45 	
[-N[	SLR-18 	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15 i 1	]   FT     CY		с	3 	1	197409		l 1 1 1	
1 1 1	1EB3SL   	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	i 5	FT FT	c	C C	S 	C   	3376.1	3-WF3   	0.1      	
  -N    	1-3SLB   	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	[ 1   1	IEA ICY	I		S   	[	3373.2   	i I	0.1      	
-N	  LN-S/U		TC-LANE CLOSURE URBAN STREET	 ] 1	EA	C	l .	S		1		1.0	
I I-N i	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	   1		l C			   C	1	1   TC4		
WORK FAC			EXIST TAG NEW TAG			CONS			NOT				

ROJECT: 25	3568 u	JOB:01		TYPE:	UD	NAME :	ROLANDO	BLK 7G2	-T&C JOE	1								R: 2960700
SIGN: 01								STATUS										
CATION: 1		ET: 01	DISTRICT:	CM	DESIG	NED BY:	GEORGE							PHON	VE: 999-99	99 I	JOCATIC	ON 172 OF 58
VRK  F-C MU ID	AU ID	  STOCK#	E	ESCRIPT	TON/CO	ONSTRUC	TION NO	TES	QTY   RQD	UM	RSP	RSP	TIM  TRT	ACC   TRT		[CREW ] [TYPE ]	EST HOURS	
1	330926 	  162690	HAND HC QUAZI	LE 3309	1.2 37	"X 26"			1	EA   EA		 C	S   	C	3309.2	35WF3] 	0.8	
[-N  	1	  162690	INSTALI QUAZI	EXCAVA TE BOX	TION/E 37"X26	REMOVE 6"26"				EA EA		c	S   	C I	3309.2	  3swf3  	0.8	
[-N	1-3SLB 	[322048	1-3 IN BEND	CONDUIT	DB 3	IN 90	D 36 IN		6   6	EA		c	S   	C   	3373.2		0.3	
i	     plantu	l I	SLURR REMOVE/	-						E I	       C	Í	1	1		      3-WF3	1	
IORK FAC																		
UNC CODE	DESC																	
	5500		EXIȘI	TAG	NEW J	TAG				C	CONSI	RUCI	ION	NOTE	S			
			EXIST	TAG	NEW 7	IAG		5	EE SHT 1		CONST	RUCI	ION	NOTE	28			
			EXI\$T	TAG	NEW 7	IAG 		S	SEE SHT 1		CONST	RUCT	ION	NOTE	28			
			EXIST	' TAG	NEW 7	IAG 		S	SEE SHT 1		CONST	RUCI	'ION	NOTE	2S			
			EXIST	' TAG	NEW 1	IAG		S	EE SHT 1			'RUCT	'ION 	NOTE	2S 			
			EXIST	' TAG	NEW 1	IAG		5	SEE SHT 1			'RUCT	'ION	NOTE				
			EXIST	' TAG	NEW 7	IAG		S	EE SHT 1			'RUCT	'ION 	NOT'E				
			EXIST	' TAG	NEW 7	IAG		S	DEE SHT 1				'ION	NOTE				
			EXI\$T	' TAG	NEW 7	IAG		5	SEE SHT 1		CONST		'ION		2S			
			EXIST	TAG	NEW 7	IAG		5	SEE SHT 1				'ION		2S			
			EXI\$T	TAG	NEW 7	IAG		S	SEE SHT 1				'ION		2.5			
			EXIST	- TAG	NEW 7	IAG			SEE SHT 1					NOTE				
			EXIST	* TAG	NEW 7	IAG			DEE SHT 1					NOTE				
			EXIST	- TAG	NEW 7	IAG		S	SEE SHT 1					NOTE				
			EXI\$T	- TAG	NEW 7	IAG		S	SEE SHT 1					NOTE				
			EXI\$T	- TAG	NEW 7	IAG			SEE SHT 1					NOTE				· · · · · · · · · · · · · · · · · · ·
			EXI\$T	- TAG	NEW 7	IAG			SEE SHT 1					NOTE				
			EXI\$T	- TAG		IAG		S	SEE SHT 1					NOTE				
			EXI\$T	TAG		IAG			SEE SHT 1				· · · · · · · · · · · · · · · · · · ·	NOTE	2.5			
			EXI\$T	- TAG	NEW 7	IAG		S	SEE SHT 1					NOTE	2.5			
			EXI\$T	- TAG				S	SEE SHT 1			RUCI		NOTE				

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ROJECT: 25	3568 .	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOE	3 1					STATUS: A	T WO	RK ORDE	R: 2960700
SIGN: 01	NAME :	ROLANI	DO BLK 7G2 T&C JOB 1 STATU	S: ACT									
			DISTRICT: CM DESIGNED BY: GÉÒRGE BONNER						PHO	NE: 999-9	999 1	LOCATIO	N 173 OF 58
-CIMU ID	  AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	1 QTY I RQD	  បា	WR 1 RS	K   MAT P   RSP	TIM   TRT	ACC  TRT	STANDARD	CREW   TYPE	EST    HOURS	
[-N	13'HD-A	I	HAND DIG TRENCH 3 FT DEEP AVE		L ( F:	ri c	1	1 \$	C	G7453	3-WF3	8.1	
[ [-N] ]	  BKF-3' 	i ,	   BACKFILL TRENCH 3 FOOT DEEP 	•					C 	[	3-WF3  C-BC	0.3	
1 	   SHD-12   	    611492 	   SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND, FILL RECYCLED MATLS PREFFERED	   21   2	 L F7 2 T1			• •	C   		C-DT	0.1    0.1    0.1	· · ·
[ [-N] 	i	249664	   1-3 in db conduit SEC   Conduit db 3 in 20 FT length		1   E1 1   F1	C (	i c	   S 	C		  3-WF3 [ ]	1 1	
-N	R-XCES	X30007	   EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE				i c	[S]	C 	i		0.5	
 I-N	PLANTU		REMOVE/REPLACE LANDSCAPING.	1 2:	l   F'	r¦ c	:	S	i c	1	3-WE3	2 1	
[ I-N    	1	   X20201	   MACH DIG TRENCH 3 FT DEEP BACKHOE   TRAFFIC BEARING STEEL PLATE   ASPHALT, COLD MIX	1	1 5   F' 4   EJ 1   T!	A I			1	G7453   	IC-BC IC-BH I3SWF4	0.2 0.2	
1 I <b>– N</b>   	REM-3'	X30007	   TRENCH SPOIL 3 FT DEPTH   DUMPING FEE		5 F 2 C	ri c			   C 	i	  C-DT   	0.4	
I-N [ i	1	   656400	   BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP   SLURRY MIX, 1 SACK SAND	, –	5 F 1 C		;   [ C		I C	[G7409			:_
  -N    	1EB3SL   	]249664  656400	1 1-3 IN EB CONDUIT SLURRY ENCASED 1 CONDUIT DB 3 IN 20 FT LENGTH 1 SLURRY MIX, 1 SACK SAND	i i	5 F 5 F 1 C			1		3376.1	3-WF3   		
  -N    	1-3SLB   	322048	I 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	1 E 1 C	YI.	i c i c	i –		3373.2   		1 4	
 1-N	  ln-s/u	1	TC-LANE CLOSURE URBAN STREET		 1   E	I A   ¢		s	¢	1	TC3	1.01	
 I-N[	i iln/s/s	1	   LANE CLOSURE URBAN ST (STREET REPAIR)	] [	1)E	 A  C		   \$	l C				

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09/05/17	LOCAL40-00	)1	SAN DIEGO GAS AND DPSS - DESIGN REVIEW (	ELECTR COPY -	NIC DEJ	FAII							P	AGE NO 199
PROJECT:	253568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C J	JOB	1						T WO	RK ORDE	R: 2960700
DESIGN: (	)1 NAME:	ROLANI		S: ACT										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							PHO	NE: 999-99	99	LOCATIO	N 174 OF 587
WRKI			DESCRIPTION/CONSTRUCTION NOTES											
1. – N [	[3'HD-A]		HAND DIG TRENCH 3 FT DEEP AVE	1	17	FΤ	C	i	S	С	[G7453	13-WF3	6.6	
[   I-N[ [	[BKF-3']	i i	BACKFILL TRENCH 3 FOOT DEEP	1	17	ΕT	С	1 1	S	C	l	3-WF3  C-BC	0.3	
	1 1	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	17 1	FT	C		SI	С	[G7405 [	3-WF3  C-BH  C-DT	0.1    0.1    0.1	
I-N [	1 1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i	17 17	FT     FT	С		SI	С	[3373.1 	3-WF3 	i i	
I-N[	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		17 2	FT CY	с		S	С	[ [	Î.	0.4	
I-N[	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1			с	i i	SI		l.		0.71	
I-N[		i i	FINISH CONCRETE SURFACE MAN 12 IN	1		FT	С	1 1	S	С	I	ISR3CS	0.1	
[ I-N[	  AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	1			c	1 1	S I		1	SR3AS	   0.7	
I-N[ [	1 1		ASPHALT BASE MECH 18 IN ASPHALT (BASE)	1	27 3	TN	С		S	-	l E	C-BC  SR4AL	0.7    0.7    0.7	
I-N    	BHÓ3XH   	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i I	50 38 11	EA	С	C     C	5	с	G7453   	C-BC  C-BH  3SWF4	2.0    2.0    2.0  1 4.0	
I-N	REM-3'[   [	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	Ì	50	FT	Ċ	   C	S	С	1 I	C-DT	44	
I-N  	SİR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1	.501 91	FT	С	   C	S   	С	G7409 	  3-WF3     .	0.3	
I-N I	1283SL      	249664	1-3 IN EB CONDUIT SLURRY ENCASED		50  50  1	FT FT CY	С	C     C	S I	С	3376.1   ]	3-WF3   	0.7	
I-N] ] ]	11-3SL3	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		1  1  1	EA EA CY	с	   C     C	S   	С	3373.2 1	1	i 0.1	
I-N[	  LN-S/U  	Í	TC-LANE CLOSURE URBAN STREET	1	1		С		ຣ [	-	I		i 1.0j	
I-N		[	LANE CLOSURE URBAN ST (STREET REPAIR)		1	EA			5	С	Ì	TC4	]   1.0	
 I-N			TC-TRAFFIC CONDITIONS STREET CROSSINGS	[ [		   FT		] ] 				i   TC4	0.1	

DIECT: 2	53568 JOB	01	REV:0	TYPE:	UD	NAME :	ROLAN	DO BLK	7G2 -T	&C JOE	31				SI		ACT WO	RK ORDEN	R: 2960700
IGN: 01	NAME: R	LANDO	BLK 7G2	T&C JC	в 1			S	TATUS:	ACT									
	174 SHEET:	02 DI	STRICT:	CM	DESIG	NED BY	; GEOR	GE BON	NER										N 174 OF 58
C MU ID	  AU ID  ST	) CK#	I	ESCRIPI	ION/C	ONSTRU	CTION	NOTES		I QTY I RQD	  UM	WRK . RSP	MAT   RSP	MIT	ACC   S TRT	STANDARI PAGE	)  CREW  TYPE	EST    HOURS	
1		4215		LT, COL						1 :	LITN	1	C		1		1		
1 N	  XING/S	1	TRAFFIC	COND.	(XING	LANE)	STREE	T REPA	IR	i :	LIFT	сi	ļ	S	с		TC4		
 N	   Plantu	1	REMOVE/	REPLACE	LAND	SCAPIN	G ·			1!		C		S	c		3-WF3	   1.5 _	
RK FA	C E DESC		EXIST	TAG	NEW	TAG					c	ONST	RUC	FION	NOTE	s			
									SEB	SHT	14								
									<b>_</b> _										u <b>uaaa</b>
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			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2										R: 2960700
ESIGN: 01	NAME	: ROLANE	0 BLK 7G2 T&C JOB 1 STATU:	S: ACT							<b></b>		
LOCATION:	175 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	NE: 999-99	99	LOCATIO	N 175 OF 58
WRK   F-CIMU ID	[ [AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT IRSP	TIM   TRT	ACC TRT	STANDARD PAGE	CREW	EST	
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	ET	C	1	I S I	C	G7453	3-WF3	5.5	
⊥-N[	BKF-3 '	i i	BACKFILL TRENCH 3 FOOT DEEP	1 14	FT 	C 	Ì	151	с		13-WF3 IC-BC	0.21	
I – N     	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	   14   1	FT   TN	   C   	     C 	       	С	G7405	  3-WF3  C-BH		
∑−N   [	1	   249664 {   [	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 14 I 14	FT	i C 1	I I C		С	3373.1	3-wf3 	0.21 	
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	14   2	FT   CY	i c I	     C	[	С			0.41	
I-N		i i	REMOVE/REPLACE LANDSCAPING	14	FΤ	I C	i i	l S			3-WF3	1.4	
I-N	AS-2CT	i i	ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C	l	   S			ISR3AS		
I-N  	1	i i	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	1 30	FT		Ì	   5   			IC-BC ISR4AL	0.81	
I-N    	BH03XH 	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	54   41   1	FN   EA   TN		C   C	5   [   	C	G/453	C-BC  C-BH  3SWF4	2.2	
I-N    	REM-3' 	[   [X30007]	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	54	I FT	i C	Ì	I I	с		C-DT	1 L	
	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	162   10	FT  CY	C 	l c	S   	c	G7409	1	0.3	
I-N]	1		1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	24   1	FT   FT   CY	i c   	C   C	Í	c	3376.1	  3-WF3   	0.3	
I-N[   	[1-3SLS   	  322144	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	3   3   1	EA   EA   CŸ	i c 1 1	C   C	S   	CI	3373.2	l l	.   [	
I-N	LN-S/U	] 1	TC-LANE CLOSURE URBAN STREET	1	EA	C	ſ		CI			1.0	
I-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA		i		CI		[ [TC4	1.0	
I-N  	  XING-U 	i i	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C	i i	   \$   	ci		   TC4 	0.1	

الرارين برابي المستنبين برها فتقددن بالم

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00,00,2, 12,00	SAN DIEGO GAS AND ELE DPSS - DESIGN REVIEW COPY	- DETAIL		PAGE NO 202												
PROJECT: 253568 JOB:01 REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -T&	C JOB 1		WORK ORDER: 2960700												
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: A	CT .														
LOCATION: 175 SHEET: 02 DISTRICT: CM DESIGN	ED BY: GEORGE BONNER		PHONE: 999-999	9 LOCATION 175 OF 587												
WRK       F-C MU ID  AU ID  STOCK#  DESCRIPTION/CO	NSTRUCTION NOTES	QTY    WRK MAT T RQD  UM RSP RSP T	IM ACC STANDARD   RT TRT  PAGE [	CREW [ EST ]												
		1 FT  ¢ [ [	sici i	TC4   0.1												
  I-N   PLANTU    REMOVE/REPLACE LANDS	CAPING	 10 FT  C		3-WF3  1.0												
WORK FAC FUNC CODE DESC EXIST TAG NEW T	2AG	CONSTRUCTI	ON NOTES													
	SEÈ	SHT 14		<b></b>												
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	<u>_</u>		··- <del>-</del>	<u></u>												
			REV:0	TYPE: UD	NAME: ROLA	NDO BLK 7G2 -	T&C JOB	1				S	STATUS: AG	CT WOR	RK ORDER	R: 296070
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ESIGN: 01	NAME	ROLAND	0 BLK 7G2 1	f&C JOB 1		STATUS	ACT									
					GNED BY: GEO							PHON	Æ: 999-9	999 1	LOCATION	1 176 OF
VRKI F-CIMU ID	 [AU ID	  STOCK#	DE	SCRIPTION/	CONSTRUCTION	NOTES	I QTY RQD	UM	WRK	MAT	TIM  TRT[	ACC [ TRT [	STANDARD PAGE	CREW   TYPE	EST     HOURS	
I-N i	[3'HD-A [	I I	HAND DIG	TRENCH 3	FT DEEP AV	Е Е	1 14	FT	I C	1	S	C	G7453	3-WF3	5.5	
			BACKFILL	TRENCH 3	FOOT DEEP					• •	Ș   				0.21	
					SAND - 12 IN CLED MATLS H		14   1				[   [	l	G7405	  3-WF3  C-BH  C-DT	<u> </u>   ]	
	i	249664	1-3 IN DI CONDUI		SEC 20 FT LENGTH	ſ		FT FT	-		I S I	C I	3373.1	  3-WF3 	0.21	
	R-XCES	X30007	EXCESS TI DUMPING		L (12 IN DE	EP)		ET CY			S [   (	Í		IC-DT	i i_	
-N		i i	CONCRETE	2 SAW CUT	AND BREAK	MECH	1 14	FT	l C	1 1	5	C I			0.61	
- <u>N</u> ]	•	i i	FINISH CO	ONCRETE SU	RFACE MAN	12 IN	1 14	FT	l c	] ]	SI	CI		  SR3CS	0.1 _	
	;	  249664		I DB 3 IN	SLURRY ENCAS 20 FT LENGTH CK SAND		34	FT   FT   CY	İ	       C     C	i		3376.1	  3-WF3   	0.5	
]	1-3sLs   	322144  656400	BEND CO SLURRY	ONDUIT DB	5 FT R SLURE 3 IN 22.5 D CK SAND		1 3	EA EA CY	İ			с I I I	3373.2	  3-WE3   	   0.5 _ 	
]	1-35L8   	321878   6564001	1-3 IN DI BEND CO SLURRY	ONDUIT DB	IN R BEND SI 3 IN 45 D 30 CK SAND		1 1	EA EA CY					3373.2	  3-WF3 		
-N	LN−S/U			CLOSURE UR	BAN STREET		1 1	EA	C	1   [	s			TC3	1.01	
1	1	1 1				REPAIR)	1	ÉA	I C	1 1 1 1		c		   TC4	1.0 _	

SEE SHT 14

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Block 7G2 UUP Attachment E – Technical Specifications

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OJECT: 253568	JOB:01	REV:0	TYPE:	UD	NAME: RO	DLANDO	BLK 7G2	-T&C	JOB	1			S				CR: 2960700
51GN: 01 NA	ME: ROLAN	DO BLK 7G	2 T&C JO	 В 1			STATU	S: AC	г								
CATION: 177 S	HEET: 01	DISTRICT	: ÇM	DESIGN	ED BY: C	EORGE	BONNER							NE: 999-99			ON 177 OF 58
RKI I -CIMUIDIAÚI	 D  STOCK	   	DESCRIPT	ION/CO	NSTRUCTI	ION NOT	res	1	RQD	UM   F	RSP   ŘS	T   TIM	ACC  TRT	STANDARD   PAGE	CREW  TYPE	EST     HOURS	
++ -N   1EB3	+ SL[	1-3 IN   COND	EB COND	UIT SI IN 20	URRY ENG ) FT LENG	ASED	·	+   	183) 183  4	FT  FT  CY	C     (	S     	C   	3376.1   	3-WF3 	1 2.6	   
-N   1-38     	322048	   1-3 IN 8  BEND )  SLURI	CONDUIT	DB 3	IN 90 D	SLURRY 36 IN	YENC R.		2 2	EA] EA	C     (	S   S   C	C 	3373.2 	  3-WF3   	0.1 	
ORK FAC UNC CODE DE	sc		T TAG	NEW 1	IAG						ONSTRU	JCTION	NOT	ES			
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	3568	JOB:01	REV:0 TYPE:													R: 2960700
			0 BLK 7G2 T&C JC	B 1		STATU	S: ACT									
OCATION: 1	78 SHE	ET: 01	DISTRICT: CM	DESIGNEI	BY: GEORG	FE BONNER						PHO		999		ON 178 OF 5
WRKI F-CIMU ID	  AU ID	  STOCK#	DESCRIPI	lon/cons	TRUCTION N	IOTES	QTY   RQD	UM	RSP	RSP	TIM	ACC TRT	STANDARD	CREW  TYPE	HOURS	
I-N	3421 <b>-</b> 1 	[   [514240]	PAD 3421 1-PHA PAD 1-PHASE	SE TRANS	FORMER		1   1	EA  EA	1 C	[   [ C	S	С	3421.1	3-AF4 	0.4	
I – N	  X-XF1P 	I	PAD PREP 3421	PAD (1-1	PHASE TRANS	FORMER)	[ 1	ΕA	1 1 C 1	I i	S	С	I	  3swf3 	0.4	
I-N	TG-T-W 	[  812816[	TRENCH GRD WIF WIRE BARE CO				1 1	EA   LB	1 C 1		S	С	4510,1	i 3SWF3	i 0.21	
I-N  	1-3SLB 	3220481	1-3 IN DB 90 I BEND CONDUIT	DB 3 II	90 D 36 3	RRY ENC	1 7	EA  EA	.i		S	С	3373.2	1	0.4  	
l Work Fac			SLURRY MIX,				1 2	CY					l 	1	[	
FUNC CODE	DESC		EXIST TAG	NEW TAC	5				CONS	TRUC:	TION	NOT	ES			
I PI	PAD			D218243	3		SÉE SHT 1	4								
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			SAN DIEGO GAS AM DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G2							STATUS: AC			R: 2960700
				 S: ACT									
									DHO				N 179 OF 58
OCATION:	179 SHE	ET: 01 .	DISTRICT: CM DESIGNED BY: GEORGE BONNER										
E−CİMET TI	l D  AŬ ID	ISTOCK#1	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	IMAT IRSP	[ TIM ] TRT <del> </del>	ACC   TRT +	STANDARD   PAGE	CREW   TYPE	EST    HOURS  <del>:</del> +	
I-N	AS-2CT	[	ASPHALT 2 SAW CUT AND BREAK MECH	i é	SIFT	I C	·	S	l C	1	SR3AS	0.2	
1	]  AB-M18 	1	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	1 1	5   FT   TN	1	L C	1	1		[SR4AL	0.2	
 	BHO3XH 	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i 1é i 12	5   FT 2   EA	i c	C	S	0	G7453 	C-BC  C-BH		
I-NI I	REM-3'	1	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		i i ft i cy	i ri c	     C	   S 	l ! C !	 [ [	   C-DT - [	   1.4  	
ן ו א-ד ו	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	48	3 FT 3 CY	'I C	l I C	I S	1 C	G7409 		0,1  	<del>.</del>
  -N    	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DE 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	86   86	5 FT 5 FT 2 CY	i c I	   C   C	\$   	C   	3376.1   			
I-N    	1-3SLB	322048	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		2   EA 2   EA 1   CY	1 1		l I	1 C   	1 <b>3373.2</b> 1 1	  3-wf3   	 	
 I-N	LN-S/U	• •	TC-LANE CLOSURE URBAN STREET	i :	LEA		i –	1 S	I C	İ.	TC3	1.01	
 1-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	i :		i c		i s	i c	i	TC4		
  -N	)   plantu		REMOVE/REPLACE LANDSCAPING	i 10				   \$		[ [ .	  3-WF3		
 I-N	  3'HD-A		HAND DIG TRÈNCH 3 FÌ DEEP AVE	j 11		:I C	[	I S	C	G7453	3-WF3	6.3	
l-N  	   BKF-3 ' 		BACKFILL TRENCH 3 FOOT DEEP		6 FI	ri c	1 1.	S 	i c I	1	C-BC	0.2	
I-N I	1	    611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	i	6] FI	][	   C 	S   	C   	G7405   	3-WF3   C-BH   C-DT	[ ] ]	
I-N	Ì	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 1	6   F]	<b>[</b> ]	i i	I S	i c	3373.1		0.2	
1-N[ 	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1	2   C3	ri C 71	C	1		l l	IC-DT	0.4 	<u></u>
 I-N!			REMOVE/REPLACE LANDSCAPING		 6 F3		1		1   C	1			

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DP001EM2-LOCA D9/05/17 11:3	6					- DÉSIGN	GAS AND ELECTRIC REVIEW COPY - DETA				PAGE NO 207
PROJECT: 2535	68 JOB:01	REV:0				ROLANDO	BLK 7G2 -T&C JOB 1		STA	TUS: ACT	WORK ORDER: 2960700
DESIGN: 01	NAME: ROLAN	IDO BLK 7G2	T&C 🤇	JOB 1			STATUS: ACT				
LOCATION: 179		DISTRICT:				: GEORGE			PHONE :	999-9999	
WORK FAC FUNC CODE		EXIST	TAG	NEW	TAG			CONSTRUCTION			
							SEE SHT 14				
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OJECT:	253568	JOB:01	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	T&C JOB	1				5	STATUS: AC	T WOR	RK ORDE	R: 2960700
	1 1000		D BLK 7G2 T&C JOB 1 STATUS:	ACT									
CATION:	180 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	LOCATIO	N 180 OF 58
			DESCRIPTION/CONSTRUCTION NOTES		1 1	TATES IN 1	እወን ጥ !	ואדייי	»cc		। শেহ হার	ן <u>הכ</u> יד ו	
-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	1 7	FT	C		S [	C	G7453 	3-WF3	[ 3.0]	
1	1		BACKFILL TRENCH 3 FOOT DEEP	1 7	ET	C		S ]	C	5	[3-WF3	0.1	
  -N    	i	1 1	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	7   1	FT TN	C	с	S       	С	G7405   	3-WF3  C-BH  C-DT		<u>.                                    </u>
-N 1	i	2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 7		с		1 1	С	3373.1		) 0.1) 	
- <b>N</b>	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1	FT CY			S	C	1	C-DT	0.2	
 [-N]			REMOVE/REPLACE LANDSCAPING	i 4		i C			i c	l I	3-WF3	0.4	
 [-N]	   CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 3		C	Į	S	i c	1	(SR3AS	0.1	
 [-N		i i	FINISH CONCRETE SURFACE MAN 12 IN				1		, c	i		i i	
I-N [   		  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4   1	] EA   TN	C   	c   c	S 	i c I I	G7453   [	C-BC  C-BH  3SWF4	0.2	
1   1 	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 5   2	FT	; С 1	l [ C		C 	]		1 1	
 [	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15	IFT ICY	i C	1 1 C	S	C 	G7409 	3-WF3   		
 [N  ]	1EB3S1   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 5 1 5   1	FT  FT  CY			i s I	C   	3376.1   		i 0.1	
     	1-3SLE   1	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	i 1	IEA IEA	1	;     C	S	[	3373.2  - 			
 1-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1 1	EA	) C	1	l S	) C	1	TC3	1.0	·
i 1-N		1					•		1	1			

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# CONSTRUCTION NOTES

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DP001EM2-LC	:36					PSS - I	DIEGO GA DESIGN RE	VIEW COP	Y - DE	TAI							É	AGE NO 209
PROJECT: 25	3568	JOB:01	REV:0	TYPE:	ÚD N	AME: RO	DLANDO BL	к 762 -т	&C JOB	1				:				R: 2960700
DESIGN: 01	NAME	: ROLANI	00 BLK 7G2	2 T&C JOB	1			STATUS: .	ACT									
LOCATION: 1	81 SHE	ET: 01	DISTRICT:	CM D	ESIGNE	D BY: (	GEORGE BO	NNER						PHO		99 I	LOCATIO	N 181 OF 58
WRK]  F-C MU ID	]  AU ID	   STOCK#	l I	)ESCRIPTI	ON/CON	STRUCTI	ION NOTES	:	QTY   RQD	i I UM	WRK   RSP	RSP	TIM! TRT!	ACC TRT	STANDARD   PAGE	CREW	HOURS	
I - N   	1330926 1	  162690	HAND HO QUAZI	DLE 3309.	2 37"X	26" X			1   1	EA   EA	C   	с	S   	с	13309.2 1	35WF3  	0.8	
I-NI	1X09H26 1	162690	INSTALI QUAZI						1   1	[ EA   EA	i c i	C	1	С	13309.2 1		0.8	
I-Ni i	1-3SLB	322048	1-3 IN BEND	CONDUIT	DB 3 I	N 90 D	SLURRY E 36 IN R		2   2	EA   EA	C ] 	C .	S I	С	13373.2 1	1	0.1	
		[ ]	SLURF REMOVE/	•					i	Î.	I I		 			    3-WF3	i i	
WORK FAC FUNC CODE			EXISI	TAG	NEW TA	G		SEE	SHT 1		CONST	IRUC:	TION	NOT	ES			
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OJECT: 3	253568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLI	к 7G2 —	T&C JOB	1					STATUS: A	CT WOI	RK ORDER	R: 2960700
SIGN: 0	1 NAME	ROLANE	O BLK 7G2 T&C JOB 1		STATUS:	ACT									
		ET: 01	DISTRICT: CM DESIG	GNED BY: GEORGE BO	NNER							TE: 999-9			N 182 OF 587
-CIMU I	 D  AU ID	   STOCK#	DESCRIPTION/			QTY   RQD	  UM	RSP	RSP	TŔT	TRT	STANDARD PAGE	I TYPE	HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT	AND BREAK MECH		133	[FT]	С		I S	I C		SR3AS	3.5	
I-NI	1	  114201	ASPHALT BASE MEC ASPHALT (BASE)	H 18 IN		133   15	FT	Ċ		្រ	l C	l	C-BC  SR4AL	3.6    3.6	
I-N  1	i I	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE		147   111   2	FT     EA     TN	C	C C	[ S   	1 C	G7453   		5.9    5.9    11.8	
I-N  	REM-3 '	x30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		147   37	FT	с	i I C	i s	C		C-DT	12.9  	<u></u> ,,
I-NI	SLR-18 	[656400]	BACKFILL SLURRY 18 SLURRY MIX, 1 SA	IN WIDE X 12 IN D CK SAND	EEP	441   25	FT	С	i I C	S	I C	G7409		0.91	
  -N      	1EB3IN       	1248201 1249664 1663528 1663530	1-3 IN EB CONDUIT CONCRETE - 2 SAC CONDUIT DB 3 IN SPACER INTERMEDL 1 IN BASE SPACER	K (GRAVEL MIX) 20 FT LENGTH ATE 5 IN 2-WAY		j 147	FT     CY     FT     EA     EA	С		S     	C       	3376.1     	13-WF3		
I-N    	1-3SLB	1322048 1656400	1-3 IN DE 90 D 36 BEND CONDUIT DE SLURRY MIX, 1 SA	3 IN 90 D 36 IN R		1 2 1 2 1 1	EA   EA   CY]	C	   C   C	S   	C   	3373.2	3-WF3   	0.1      	
l I-N	   PLANTU	1	   REMOVE/REPLACE LAN	DSCAPING		   10	FT	С	1	] S	   C		  3-WF3		
WORK F FUNC CO			EXIST TAG NEW	TAG	SE	E SHT 1		IONS'	IRUC	TION	NOT	ES			
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	DCAL40-0 1:36	01			DPSS	- DESIGN	GAS AND E	DPY - DE	TAII								AGE NO 211
			REV:0														R: 2960700
	NAME		DO BLK 7G2				STATUS:	ACT									
CATION: :	183 SHE		DISTRICT:			Y: GEORGE	BONNER							NE: 999-99		LOCATIO	N 183 OF 587
	AU ID	  stock#		ESCRIPTION	N/CONSTRU	JCTION NO	TES	QTY   RQD	UM	RSP	RSP	TIM   TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	HOURS	
-N	330926 	  162690	HAND HOI QUAZII	LE 3309.2	37"X 26'	" X 26"		1   1	EA   EA	С	   C	S   	с	3309.2 	3SWF3 	0.8	<u> </u>
-N   	і х09н26 I	162690	INSTALL	EXCAVATIO	ON/REMOVE 'X26"26"	Ξ		1   1	EA   EA	С	l C		С	3309.2	1	0.8	
 [-N    	1-3SLB 	[ [322048]	   1-3 IN E   BEND C   SLURRY	DB 90 D 36 CONDUIT DE	5 IN R BE 3 3 IN 90	END SLURR D D 36 IN	Y ENC	4   4   1	EA   EA   CY	С	   C   C	i i I 1	¢	3373.2   	i -	0.2	
-N		[   [ [	   REMOVE/F	REPLACE 14	ANDSCAPIN	NG		   1	   FT	с	 	   S	с	 	  3-WF3		
IORK FAG			EXIST	TAG NE	EW TAG				с с	CONST	TRUC'	rion	NOTI				
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Block 7G2 UUP Attachment E – Technical Specifications

OJECT: 25	3568 J	OB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1								R: 2960700
SIGN: 01	NAME :	ROLANDO		IS: ACT			····						
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							Œ: 999-99			N 184 OF 58
	INT TO I	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	I ROD	UM	RSP	3SP	TRT	TRT	STANDARD PAGE	TYPE	EST    HOURS[ ++	
-N	13'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	1 5	FT	C 1		S	С	G7453	3-WF3	2.3	
-N	  BKF-3'  	İ	BACKFILL TRENCH 3 FOOT DEEP	5	FT	CI		S	C 	 	13-₩F3	0.1    0.1	
:−N   [ 	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	$ \mathbf{TN} $		с	S   	i C I I	G7405	3-WF3  C-BH	1 1 1 1	
-N			1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	5   5	FT   FT	с	c	S	i C I	3373.1 		0.1	
-N	R-XCES	    X30007  	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 5	FT CY	С	i I C	5   	i C I	 		0.1	
-N	CC-2CT	i 1	CONCRETE 2 SAW CUT AND BREAK MECH	1 5	FT	C	l	i s I	i c	Ì		1 0.2	
 -N		1 1	FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C	1	S	C	İ	SR3CS	i i	
   17-1   	1	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4   3   1	FT   EA   TN	i c I	   C   C	S	[ C   	G7453   	C-BC   C-BH   3SWF4	[ 0.2]   0.2]   0.3]	
-N1	REM-3' 	  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT  CY	1	   C	   S 	C 	1			
I-N	SLR-18 ]	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 12 i 1	FT	i c I	   C	5	C 	G7409 	3-WF3 		
-N    	1EB35L   	2496641 6564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	! 4   4   1	FT   FT   CY	C   	i i c	i s	i c I	13376.1 ]	3-WF3		<u></u>
  -N    	1-3SLB 	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA  CY	jè I I			i 1	1	i	0.1	
i [—N]	  ln-s/U	1 1 1	TC-LANE CLOSURE URBAN STREET	1	  EA		l I	I S	c				
  -N	  ln/s/s	1 1 1 1	LANE CLOSURE URBAN ST (STREET REPAIR)		IEA	I C	1 ]	S.	l c	   	TC4	1.0	
ORK FA			EXIST TAG NEW TAG			CONS	TRUC	TION	NOT	ES			

ROJECT: 2	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7	G2 -T&C JOE	31					STATUS: A	CT WO	RK ORDE	R: 2960700
ESIGN: 01	l name	: ROLAND		TTC. NOT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNE						PHO	NE: 999-9	999	LOCATIO	N 185 OF 58
	   AU ID		DESCRIPTION/CONSTRUCTION NOTES	I QTY I RQD	   UM	WRK  RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N[	3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	1 5	FT	, I C	1	S	c	G7453	13-WF3	2.3	
I – N [ ]	BKF-3 '		BACKFILL TRENCH 3 FOOT DEEP			   C 		] S   ]	С	İ	3-₩F3  C-BC	0.1  0.1	
I-N {	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT   TN	-	   C 	i i	С	G7405   	  3-WF3  C-BH  C-DT		
I-NI	[	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH		5 ET 5 ET	1	1 C		-	3373.1 	  3-WF3 	[ 0.1] [ ]	
I-N	R-XCES 	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		i FT  CY	i c I	   C	 	с		  C-DT 	0.1	
I-NI	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	   FT	-	4	S	С		  SR3AS	0.21	
1-N]	  CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	1	   TT	I C	1	S	¢	1	  SR3CS	i i	
I-N] ]	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	3	FT   EA   TN			1 1		1	]  C-BC  C-BH  3SWF4	0.2	
I-N]	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		   FT   CY		     C	S     S	с	Ì	  C-DT 	0.4	
I-N  	SLR-18 	656400:	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 1	ICY.	-				[G7409 	  3-wf3 	1   1	
I-N	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 4	   FT   FT   CY	C 		S		3376.1   	  3-wF3   	0.1	
I-N	1-35LB   	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	i 1	ÉA   EA   CY	1				  3373.2   	  3-WF3   		
I-N	LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	•		1 1 C			с				
 I-N	   LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		   EA	   C			с		I ITC4		

## CONSTRUCTION NOTES

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			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -										B: 2960700
	<b>-</b>		0 BLK 7G2 T&C JOB 1 STATUS:	ACT									
CATION:	186 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 186 OF 58
	  AU ID	STOCKEL	DESCRIPTION/CONSTRUCTION NOTES	1 ROD	UM	RSP	RSP	TRT	TRT	STANDARD	TYPE	HOURS	
[-N		1 1	ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	CI	1	S ]	C		SR3AS 	0.5	
I-N  [	AB-M18 	i i	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	[ 21   3	FT   TN	с ( 1	l c	i s	i c I			0.6	
I I – N I 1 1	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	33   25   1	FT EA	. c i		Ş	C     	G7453   	C-BC  C-BH  3SWF4 	1.3   2.6	 
	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	33   9	FT CY	С	   C	S	C 	i L	C-DT	2.9	
I – N [       	1EB3IN       	248201   249664   663528   663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DE 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	151   3   151   26   26	FT   CY   FT   EA   EA	C		S     	C     	[3376.1 ] ] 	3-WF3 	[ 2.1	
 [-N    	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA  EA  CY	C	1   C   C	S	i c I	3373.2   	 		l
	XING-U	1114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	i 1   1	FT   TN	i c I	i I C		1 C 	1 	ITC4	0.1 	
1 [-]]	XING/S		TRAFFIC COND. (XING LANE) STREET RÉPAIR	j 1	İFT	I C	1	S 	¢	L		j 0.1	
[-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C	1		C ]	L	TC4	[ 1.0	
[ I-N	i   ln-s/u		TC-LANE CLOSURE URBAN STREET	i 1							ТСЗ		
NORK FZ			EXIST TAG NEW TAG		;	CONS	TRUC	TION	NOT	EŞ			·
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09/05/17	-LOCAL40-00 11:36		SAN DIEGO GAS AN DPSS - DESIGN REVIEW	ND ELECTRIC N COPY - DE	TAII							P.	AGE NO 215
PROJECT:	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 70	G2 -T&C JOB	1					STATUS: A	CT WO	RK ORDE	R: 2960700
				TUS: ACT									
LOCATION	: 187 SHEI	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE	R					PHO	NE: 999-9	999	LOCATIO	N 187 OF 58
	ID AU ID				UM	RSP	RSP	TRT	I TRT	STANDARD   PAGE	TYPE	HOURS	
I-N[	AS-2CT	i i	ASPHALT 2 SAW CUT AND BREAK MECH									5.2	
I-N  [	i	  114201	ASPHALT BASE MECH 24 IN ASPHALT (BASE)	200	TN			I S	1	[ [ [	I	i i	
[ ] 1 - 1 - 1 ]	i	   X20201	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	   210   210   2	FT     EA     TN	с	( C ( C		C   	l I	C-BC  C-BH  3SWF4	10.5    10.5    21.0	
ĭ−N[	i		TRENCH SPOIL 4 FT DEPTH DUMPING FEE	72	FT   CY	С	İ	I S	C ]	l I I	I IC-DT I		
I-N[	SLR-24	, . 	BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 45	FT   CY	с		5	•		  3-WF3 	1.8	
	l E	248201   249664   663528	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	200   4   200   34   34	CY FT EA EA		-	1		  3376.1     	3-WF3     		
I-N	1	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 2 1 2 1 1	EA CY	с	C	] ] S   ]	1	  3373.2   	  3-WF3   		
I-N[	ILN-S/U		TC-LANE CLOSURE URBAN STREET		EA	с	1 5	s	C	I I	TC3	1.0	
[  I-N[	  LN/S/S	 	LANE CLOSURE URBAN ST (STREET REPAIR)	1	  EA	C	 	I S	   C	l I	I I TÇ4	   1.0	

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CONSTRUCTION NOTES

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Block 7G2 UUP Attachment E – Technical Specifications

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	: 36		REV:0				DESIGN									TATIS A	িয় মৃত	K ORDE	R: 2960700
* <b></b> ,						NAME: 1													
			0 BLK 7G2																
CATION: 18	B8 SHEE	ST: 01	DISTRICT:	CM	DESIG	NED BY:	GEORGE	BONNER								VE: 999-99			N 188 OF 58
RK	ן ומד דה ו	   STOCK#		ESCRIP	יד מאז / נ	ONSTRUCT	ידר איז אס	TES	i	ROD	UMI	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
-N   	3421-1  	514240	PAD 342 PAD 1	1 1-PHZ	ASE TI	RANSFORM	ER			1 1	EA   EA[	С	с	51	Ċ	3421.1	3–AF4   	0.4	
-N	  X-XF1P 		PAD PRE	P 3421	PAD	(1PHASE	TRANSF	ORMER)		1	EA	С			С	ĺ	3SWF3	0.4	·
-N	TGT-₩ ]	   <b>81</b> 2816	TRENCH WIRE	GRD WII BARE CO	RE W/(	0 RODS (' #2-7 STI	TRANS/C R SOFT	AP) DRAWN	1	1 8	EA   LB	С	с	S   	с	4510.1 	35WF3   	1	
-N	1-3SLB 	   322048   656400	1-3 IN 3 BEND	CONDUIT	DB :	IN R BEN 3 IN 90 I CK SAND	D 36 IN	YENC	1   	4 4	EA	С	l C	[	С	3373.2 	3-WF3 	0.2	l <u></u>
NORK FAC			EXIST			TAG	<b></b>			w <b></b>		ONS	IRUC	rion	NOT				<b></b> <i><sup>_</sup></i>
I PD	PAD				D21	8241			SEE	SHT 1	4								
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			DPSS - DESIGN REVIEW										
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2										R: 2960700
				S: ACT		<i>د</i>							
OCATION: 1	89 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-95	99	LOCATIO	N 189 OF 58
WRK  F-C MU ID	  AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	ROD	IUM	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	AS-2CT	1 1	ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	i c	1	S	С	l	SR3AS	1 0.7	
I-N		i i	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	27	-	i c I	· · · · ·		c	'   	C-BC  SR4AL	0.7  0.7	
	1	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	40   30   1	FT   EA   TN	C   				G7453 	C-BH	1.6   1.6   3.21	
			TRENCH SPOIL 3 FT DEPTH DUMPING FEE	40   10	(CY	C 	l c			•	  C-DT 	3.5	
			BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 ŞACK SAND	120   7	CY	i c I	ic			•	  3-WF3 	0.2	
I-N 1 1 1 1		248201  249664  663528	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	27   1   27   27   5	FT  CY  FT  EA  EA	C       		S	С	  3376_1     	  3-WF3     	0.4        	
			TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	, 1 1	   FT   TN	ίc	I C	S	С		1 1 TC4 1	0.1	
	  XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR		   FT	   C	1	S	с	E F	I ITC4	   0.1	
1–N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	[ [ 1	  EA		l [	S	с		I ITC4	1.0	
 I-N	  LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	1	 ] EA	   C	1	s	С		[   TC3	   1.0	

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CONSTRUCTION NOTES

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Block 7G2 UUP Attachment E – Technical Specifications

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OJECT: 2	53568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 762	2 -T&C JOB	1				5	STATUS: AC	T WOR	K ORDE	R: 2960700
SIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1 STAT	JS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	199 L	OCATIO	N 190 OF 58
RK  CIMU ID	  AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	M	ŴRK RSP	MAT  RSP	] TIM   TRT	ACC	STANDARD	CREW    TYPE	EST   HOURS	
-N	3'HD-A	[ l	HAND DIG TRENCH 3 FT DEEP AVE	1 7	FT	с		s	I C	[G7453	3-WF3	3.01	
-N	   BKF-31 	i i	BACKFILL TRENCH 3 FOOT DEEP			с	•	I S		] 1	3-WF3   C-BC	0.1) 0.1)	
-N  [	  SHD-12 		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	į 1	FT		     C 		   C   [	G7405	  3-WF3   C-BH [  C-DT	   	
 -N  	Ì	2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH		  FT  FT		l I C	Ĺ			  3-WF3  	0.1	
-N   	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 7	  FT  CY	l C	1   C	S	C   C	 	C-DT	0.21	
[-N	plantu		REMOVE/REPLACE LANDSCAPING		/ FT		1   	S		1	[3-WF3]	0.71	
 	i I	  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		5   FT 1   EA 1   TN	1		. – I I		G7453   	C-BC    C-BH    3SWF4	0.2  0.2  0.4	
	1	   X30007	DUMPING FEE		1 51FT 21CY	i c			   C 	 [	  C-DT [ 	0.4]	
-N	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND		5   FT L   CY		l c	S 		1G7409	[3-WF3]	l	<del>_</del>
i-N    [	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	i t	5 FT 5 FT L CY	i		1			3₩F3      		 
 [N] ]	1-3SLB   	322048 656400	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	i	l   EA 1   EA 1   CY	1		Ì.	•	3373.2	3-WF3	0.1	 
[-N		ri 👘	TC-LANE CLOSURE URBAN STREET	:	l EA	   C	1   	1 5	[ C	i		1.0	
[ [-]]	1  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		 1 EA	   C		S	l C	•	TC4		t [

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ROJECT:	253568 a		REV:0 TYPE:											STATUS: AC		RK ORDE	R: 2960	700
ESIGN: 0	1 NAME:	5.07 3.15	O BLK 7G2 T&C JO														<b></b>	
OCATION:	191 SHEE	ET: 01 ]	DISTRICT: CM	DESIC	GNED BY: GEO	RGE BONNER							PHOI	NE: 999-99	99	LOCATIO	N 191 OF	5 58
WRK] F-C MU I	I D AU ID	STOCK#	DESCRIPT	ION/	CONSTRUCTION	I NOTES	QTY   RQD		UM	ŴRK RSP	MAT   RSP	TIM TRT	ACC	STANDARD	CREW TYPE	EST    HOURS		
I-N	13'HD-A	L L	HAND DIG TRENC	:Н З	FT DEEP AV	Æ	] 1	[2]	FT	С		\$	C	G7453	3-WF3	4.8		
I-N		i i	BACKFILL TRENC	:н з 1	FOOT DEEP		1	12  	FT	C	 	S			3-WF3  C-BC	0.2    0.2		
I-N[ [			SHADE TRENCH W SAND, FILL				]	1  1	TN	С	l c	S		G7405 	3-WF3  C-BH  C-DT			
I-N  	- I - I		1-3 IN DE COND CONDUIT DB 3				1 1	12   12		С	с	S		3373.1	1	0.21		
I-N	R-XCES	i i	EXCESS TRENCH DUMPING FEE	\$20I]	L (12 IN DE	EP)	i 1	12   2	FTI CVI	сi		s	С	ſ		0.31		
I-N	CC-2CT	i i	CONCRETE 2 SAW	CUT	AND BREAK	MECH	[ 1	12	FΤ]	CI	[	S	C		SR3AS	0.51		
I-N		i i	FINISH CONCRET	E SUE	RFACE MAN	12 IN	í 1	21	FT	сI	l I	S	с		SR3CS	i i		
	BH03XH	X20201  114215	MACH DIG TRENC TRAFFIC BEAR ASPHALT, COL	ING S	STEEL PLATE	KHOE	i I	5) 4) 1)	FT ( EA ( TN (		C C	S		G7453	C-BH 3SWF4	0.2    0.2    0.4		
I-N	REM-3'[ ]	- I	TRENCH SPOIL DUMPING FEE	3 FT	DEPTH			51 21	FT   CY	C		S			1	0.4  		
z-n[	SLR-18  	1	BACKFILL SLURR SLURRY MIX,			2 IN DEEP	j 1 1	5) 1	CYI	сi	С	s i		G7409	  3-WF3 			
I-N	1EB3SL  	249664	1-3 IN EB COND CONDUIT DB 3 SLURRY MIX,	IN 2	20 FT LENGTH		E L	5  5  1	FT  FT  CY	С	c c	S   	CI	3376.1	3-WF3 	0.1  		
1-N    	1-3SLB    	322048  656400	1-3 IN DB 90 D BEND CONDUIT SLURRY MIX,	DB 3	3 IN 90 D 36	URRY ENC IN R	l I	1) 1) 1)	EA   EA   CY	С	C   C	S   	C	3373.2	i i	0.11		
I-N	LN-S/U		TC-LANE CLOSUR	E URE	BAN STREET		i	1	 EA	с		S 1				1.01		
] I-N]	]  LN/S/S		LANE CLOSURE U								l	s I	C 1		TC4	   1.0		
	AC DE DESC		EXIST TAG	NEW					 с	ONST	RUCI		NOTE					

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	:36			DPSS - DESIGN R											AGE NO 220
OJECT: 25	3568 0	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO E			1						T WOF	K ORDE	R: 2960700
SIGN: 01	NAME	ROLANE	0 BLK 7G2 T&C JOB 1		STATUS:	ACT									
CATION: 1	92 SHE	ET: 01	DISTRICT: CM DESIG	SNED BY: GEORGE F	BONNER										N 192 OF 587
RKI	  AU ID	  STOCK#	DESCRIPTION/	CONSTRUCTION NOTE	ES	QTY   R <u>Q</u> D	  UM	WRK	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
-N	1330926 	  162690	HAND HOLE 3309.2 3 QUAZITE BOX 37"XX	7"X 26" X 26" 26"26"		1	EA		C I	s		3309.2	3SWF3	0.8	<del></del>
			INSTALL EXCAVATION QUAZITE BOX 37"X			i 1	EA!	С	c i	S		3309.2	SSWF3	0.8  	
	1-3SLB	322048	1-3 IN DB 90 D 36	3 IN 90 D 36 IN 9	ENC R	3   3	EA   EA	С	с	S	<b>!</b>	3373.2   	3-WF3   	0.2	`
i	i	i I				   1	 [FT]	С		   S	l c	i	i  3-WF3	0.1	
IORK FAC FUNC CODE			EXIST TAG NEW	TAG		e sht 1	.4				NOTI	ES			
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DP001EM2-LC 09/05/17 11		01				DPSS		GO GAS GN REVI	IEW COP									1	PAGE NO	221
PROJECT: 25	3568		REV:0	TYP	E: UD	NAME :	ROLAN	IDO BLK	7G2 -Ta	QC JOB	1				SI	ATUS: A	CT WO	RK ORDI	ER: 2960	700
DESIGN: 01	NAME	: ROLANI		G2 T&C (	JOB 1			SI	TATUS: 1							*****			u_L	
LOCATION: 1	.93 SHE	ET: 01		T: CM			: GEOR	GE BONN	VER							: 999-9			ON 193 C	F 587
	1	1	[ [		PTION/C					OTY	]  UM	WRKI	MAT   1 RSP   1	CIM A	CCIS	TANDARD				
	   			ESIGN VI	NETS FC	R THIS	LOCAT	TION			]	   	;- ! !		<b>}</b>		-+   	   		
WORK FAC FUNC CODE			EXI	ST TAG	NEW	TAG					с	ONST	RUCTI	ION N	ÍOTES					
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ROJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD	SAN DIEGO GAS AND DPSS - DESIGN REVIEW ( NAME: ROLANDO BLK 7G2	-T&C JOB	1				e 	STATUS: AC	T WOI	RK ORDE	R: 2960700
SIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1	STATU	5: ACT									
CATTON 1	Q4 SHEE	err • 01	DISTRICT: CM DESI	GNED BY: GEORGE BONNER										N 194 OF 58
WRKI F-CIMU ID	  AU ID	  STOCK#		CONSTRUCTION NOTES	I OTY I	[	WRK	MAT	TIM	ACC	STANDARD	[ CREW	j EST	
I-N	IAS-2CT	1 I	ASPHALT 2 SAW CUT	AND BREAK MECH	261	FT1	C	1	S	С		SR3AS	0.7	
I-N  [	1	  114201	ASPHALT (BASE)	H 18 IN	26 3	FT	С	c	S   	С		Ç~BC  SR4AL		
I-NI 1	l l	  X20201   114215	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI		1 30 1 23 1 1	FT EA TN	C	с с	S	С	G7453	C-BC	1.2    1.2    2.4	
I-N I	REM-3 '	[2500007]	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH	J 30	FT	С			C	 	C-DT	2.6[ [ ]	
I-N  	SLR-18 	6564001	BACKFILL SLURRY 18 SLURRY MIX, 1 SA	IN WIDE X 12 IN DEEP CK SAND	1 90 1 6	FT CY	С	с	S	C	G7409 ]	3-WF3	i 0.21	
I-N	PLANTU	i I ! I	REMOVE/REPLACE LAN	DSCAPING		FT	С		S	I C	İ		j 0.5j	
  -N    	<b>I</b> 1	  249664   656400	CONDUIT DB 3 IN SLURRY MIX, 1 SA	SLURRY ENCASED 20 FT LENGTH CK SAND	145   145   3	FT     FT     CY	С	C   C	S		3376.1   	3-WF3	2.0	
  -N  	1-3SLB   	322048    656400	1-3 IN DB 90 D 36	3 IN 90 D 36 IN R	2   2   1	EA   EA   CY	С		S   	i c   	3373.2 1			
I–N  [	XING-U	114215	TC-TRAFFIC CONDITI ASPHALT, COLD MI	ONS STREET CROSSINGS X	1 1	FT     TN	С	i I C	S	i c i	Ē	l	0.1 [	
 I-N	XING/S		TRAFFIC COND. (XIN	IG LANE) STREET REPAIR	1 1	FT	С	l		C	1	TC4	0.1	1
	  ln-s/u	Ì	TC-LANE CLOSURE UR	BAN STREET	1	EA	¢	1		i c	i	TC3		
I-N	  LN/S/S	1	LANE CLOSURE URBAN	I ST (STREET REPAIR)										
WORK FAC		<b></b>	EXIST TAG NEW	TAG			CONS	TRUC	TION	NOT	ES			
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DP001EM2-LOC		01				N DIEGO ( DESIGN B			- DE	TAIL							Pi	AGE NO 223
ROJECT: 253			REV:0						С ЈОВ	1				5	STATUS: AC			R: 2960700
DESIGN: 01	NAME	: ROLANI	DO BLK 7G2 Ta	&C JOB 1			STATUS	5: A	CT									
			DISTRICT: C							- <b></b>			·	PHO	VE: 999-99	99	LOCATIO	N 195 OF 587
WRK[ [ F-C[MU ID []	AU ID	STOCK#	1 	CRIPTION/	CONSTRUC	TION NOTE	ES	1	RQD	UM ]	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	EST    HOURS	
	330926	  162690	HAND HOLE   QUAZITE	3309.2 3	7"X 26"	X 26"		1	1 1	EA   EA	С		S [	с	3309.2	3SWF3 	0.8  	
	X09H26	162690	INSTALL EX   QUAZITE					1 1 1	1	EAL	С		S [	¢	3309,2	1	0.8  	
I-NI I	1-3SLB	322048	   1-3 IN DB   BEND COI   SLURRY 1	NDUIT DB	3 IN 90	D 36 IN B	ENC R		5 5	EA   EA	C		S	С	3373.2	i	0.3	
1 1								] ]		1 I.	1		1			i	[   [   0.1	
WORK FAC																		
FUNC CODE	DESC		EXIST TA	AG NEW	TAG						ONS'	IRŲCI	LON	NOTI	S			
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ROJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AN DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G	2 -T&C JOB	1				ŝ	STATUS: AC	T WOF	K ORDE	R: 2960700
ESIGN: 01	NAME	ROLANE	O BLK 7G2 T&C JOB 1 STAT	US: ACT									
OCATION: 1	96 SHEI	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	OCATIO	N 196 OF 58
WRK  F-C MU ID	  AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	)   UM	WRK RSP	MAT RSP	TIM TRT	ACC	STANDARD	CREW	EST   HOURS	
+ I-N	13'HD-A	1 1	HAND DIG TRENCH 3 FT DEEP AVE	5	FT.	С		S	ċ	G7453	3-WF3	2.3	
	1		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	5	   FT	с	1 ] ]	s I	с	   	  3-WF3  C-BC	0.1 0.1	
I-N	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	5   1	FT   TN 	C   	l c l	\$   		[G7405 ] ]	3-WF3   C-BH   C-DT		
Í	1DB3-S 	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	5	FT	i c 1	C	S 	C 	3373.1 	  3-WF3   	0.1	
I-NI l	  R-XCES 	    X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 5	FT	i c	1	s	i C	i	C-DT	0.1	
 I-N	   plantu	[	REMOVE/REPLACE LANDSCAPING	1 5	FT	i c		I S	1 1 C	[ [ ] ]G7453	[3-WF3	0.5	
I-N]	  BH03XH 	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	4	EA   TN	] 		1		1	C-BH  3SWF4	0.2   0.4	 
	1	TX30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	Ċ		1	l C	1	  C-DT 	i 0.4 [	í
ן 1 אר 1	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT  CY	[ C 	   C	\$ 	1 C 	G7409 	[3-WF3	1	
 IN    	1EB3SL   	249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	45	FT  FT	1 C		S   		3376.1 	  3-WF3   	0.6 	
1	1-3SLB	322048	1-3 IN DE 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	[ 2   2   1	EA  EA  CY	C   	   C   C	S   	C   	3373.2   	l I	]	i [ 1
  -N    	1-3SL8   	  321878  656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	)   1   1	EA  EA  CY	C 	C   C	l S	C   	13373.2 	  3-WF3   	,   0.1	:     
			TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)										
1-N[	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 1 1	EA	i c		S	i c	i E	TC4	1 1.0	1

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CONSTRUCTION NOTES

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DP001EM2 09/05/17	-LOCAL40-0 11:36		SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	LECTRIC PY - DE'	TAI	2						P	PAGE NO 225
	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -										R: 2960700
DESIGN:	01 NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS:										n
LOCATION	: 197 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER				-		PHO	NE: 999-99	99	LOCATIO	N 197 OF 587
F-C   MU	] ID  AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	RSP	TRT	I TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	3'HD-A	i i	HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C	1	S	I C	G7453	3-WF3	2.3	
]I-N] 1 [	BKF-3 ' 	i i		   5 				1	E	•	1C-BC	0.1	
] I-N ] I-N ] ]			SAND, FILL RECYCLED MATLS PREFFERED	   5   1 	FT   TN   TN		1 C 1	1 S ] ]		G7405   	3-WF3  C-BH  C-DT	l 1 I 1	
] I – N [ ] I – N [ ] [	1DB3-S	  249664  	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	1 5	FT		1 1 C	I S	i c I	3373.1 	3-WF3 	[ ]	
[ I N   [	R-XCES	1 1	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5   1	FT CY	Ċ	( ( C	S		1	IC-DT I	0.1	
<b>I</b> N  [	   PLANTU 	[	REMOVE/REPLACE LANDSCAPING	1 2	FT	c	i I		C			0.2	
I-N		i i	CONCRETE 2 SAW CUT AND BREAK MECH	i 3	FT	с	i	s	   C	l	SR3AS	0.1	
I –N		1 1	FINISH CONCRETE SURFACE MAN 12 IN			с			   C	I	SR3CS		
I-N  	BHO3XH	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHÓE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5   4   1	FT   EA   TN	C	   C   C	S   	C   	G7453   	C-BC   C-BH   3SWF4	0.2	
   I-N    !	REM-3 '	[ ]	TRENCH SPOIL 3 FT DEPTH	1 5	דד	с	i	S	l C		  C-DT 	0 4	
] [ [] <b>[</b> ] <b>[</b> ]	[	  6564001   [	DUMPING FEE BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 1	CY		1 C	1	[		1	[ ]	
I-N      	1EB3SL   	[  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 50   50   1	FT FT CY		C   C	S	С	3376.1	3-WF3	i i	
I-N  	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA EA CY	с	   C   C	S		3373.2			
   I-N  	1-35L8   	[321878]	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	1   <u>1</u>   1	EA EA CY	¢		S	С			l Î L I	
]   ]I-N[ }		i i	TC-LANE CLOSURE URBAN STREET	1	EA	С		\$ 1	c		TC3	1.0	
II-N			LANE CLOSURE URBAN ST (STREET REPAIR)				1				  TC4		

09/05/	M2-LOCA 17 11:3	6								ELECTRIC COPY - DET#	¥IL			PAG	E NO 226
PROTEC	T: 2535	68 J	OB:01	REV: 0	TYP	E: UD	NAMÉ :	ROLANDO	BLK 7G2	-T&C JOB 3	ι			WORK ORDER:	2960700
DESIGN	1: 01	NAME :	RÓLANI	DO BLK 7G2	T&C	JÓB 1			STATU	S: ACT					
				DISTRICT:				: GEORGE	BONNER			PHONE :		LOCATION	
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ROJECT: 2	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G	2 -T&C JOB	1					STATUS: AC	T WOR	K ORDE	R: 2960700
SIGN: 01	. NAME	: ROLAND	) BLK 7G2 T&C JOB 1 STAT	US: ACT									
CATION:	198 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 L	OCATIC	N 198 OF 58
F-C MU II	  AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	l UM	RSP	RSP	TRT	] TRT		TYPE	HOURS	
[-N	13'HD-A	 I I	HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C	I	S	C	G7453	3-WF3	6.6	
I-N]	18KF-3'	i i	BACKFILL TRENCH 3 FOOT DEEP	17	[ FT	   C 	I	S ]	1 C 1	1	3-WF3   C-BC	0.3  0.3	
[-N] [	[		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1 1	FT   TN	İ		1	C   	G7405	  3-WF3   C-BH    C-DT	0.1 0.1 0.1	
I – N [   	1		1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	1 17	FT   FT	1	¢	S   	C I	3373.1 	3-WF3    1	0.3	
	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 17 i 2		i C 1	1	s	•	F	  C-DT   	i	
	PLANTU 	[	REMOVE/REPLACE LANDSCAPING	17	FT	i c		S	с	Ì	3-WF3	1.7	
-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	1 20		i c		S	c	Í	  SR3AS	0.5	
I-N	AB-M18 	i i	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 20 I 3	FT   TN	י 1 1	្រ	\$         		-   	C-BC    SR4AL	0.5	
	BH03XH	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	30   23   1	FT EA TN	C   	с с	S   	c	G7453	C-BC     C-BH     35WF4	1.2 1.2 2.4	
	REM-3'	I I	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	30	  FT  CY	i c		s	C		C-DT     [	2.6	
-N[ [	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 6	ET CY		с	S	C	•	3-WF3    1	0.2	
-N[ [	i 1EB3SL I	  2496641  6564001	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	B0   B0   2	FT CY	i	C C	1   1   1		3376.1	3-WE3    3-WE3  		
N     	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		EA CY	] C ]	с С	S   	С	3373.2	 		
-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	-	i c		S	¢		I I ITC3 I	1.0	
 -N]	] ]LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)			   C					1  TC4 ]	1	

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### CONSTRUCTION NOTES

ROJECT: 25	3568 3	юв:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW C REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				5	STATUS: ÁC	t WOI	K ORDE	R: 2960700
ESIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT			÷						
OCATION: 1	99 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	LOCATIO	N 199 OF 58
WRK  F-C MU ID	  AU ID	  stock#[	DESCRIPTION/CONSTRUCTION NOTES	I QTY	UM [	RSP	RSP	TRT	TRT	STANDARD	[TYPE	HOURS	
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	17	FT	C [		S	Ċ	G7453	13-WF3	6.6	1
	1		BACKFILL TRENCH 3 FOOT DEEP	l				S		1		0.3	
I-N	1	  611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	17   1	FT     TN		c	S	С	G7405 I I	3-WF3   C-BH   C-DT	0.11	
I-N	1	  249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	i 17 i 17			¢		Ċ	3373.1	3-WF3		<u> </u>
	R-XCES	X30007	ÉXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 17	FT	i c i		S	i c	1   ]	Ċ-DT	0.4	
I-NI	plantu		REMOVE/REPLACE LANDSCAPING	17	FT			S	C	]	3-WF3	1.7	
1-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	20	FT			S	I C	i	SR3AS	0.5	
I-N  	1	      114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 20	i fT i TN		σ	S		 	C-BC  SR4AL	0.51	<u> </u>
I-N    		  x20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 30   23   1	FT   EA   TN		с с	S	C   	G7453 	C-BC   C-BH   3SWF4		
] I–N  	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	j 30	FT	i i	c	S	l C	i I	C-DT	2.6	
I-N[ 	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	j 6	CY	I C	с	S 	C 	[G7409	[3-WF3	1 0.21 1	
  -N]   	1EB3SL   		1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 104	FT  FT  CY	1 C   	C C	S   	C   	3376.1   	13-WE3	1.51	
I-N[   	1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R		IEA IEA	i c I		S		3373.2	l r	1 I	· · · · · · · · · · · · · · · · · · ·
I-N	  LN-S/U	1	SLURRY MIX, I SACK SAND TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	1 1	EA	Ċ	 [ 	   S	C	1	TC3	1.0	
I–N	  LN/S/S	1	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	i c	1	S	C	1	TC4	1.0	

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## CONSTRUCTION NOTES

SEE SHT 14

ROJECT: 25	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	2 -T&C JOB	1					STATUS: A	CT WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLAND		JS: ACT									
OCATION: 2	200 SHE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER								999 3	LOCATIO	N 200 OF 58
WRK  F-C MU ID			DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK RSP	(MAT  RSP	TIM   TRT	ACC TRT	STANDARD   PAGE	CREW   TYPE	EST    HOURS	
⊑−N	AS-2CT	I I	ASPHALT 2 SAW CUT AND BREAK MECH	( 256	$ \mathbf{FT} $	C	I	S	с	1	I SR3A5	6.71	
í-N	AB-M24 	i i	ASPHALT BASE MECH 24 IN ASPHALT (BASE)	i 256 I 10	FT   TN	С	ĺ	[ \$	с	l I	SR-3A	6.9	
I-N    	BH04XH	i 1x20201	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	286   3	FT   EA   TN	С	   c	S       	с	G7453   	3SWF4	14.3 14.3 28.6	
-N  	REM-4 ' 	  X30007	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	286   98	CY	C C	C	S   		l I	C-DT	34.3	
	SLR-24 	656400	BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	858   64	CY	C	C	S   	с		[	2.6	
I-N      	1EB3IN     	248201  249664  663528	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	6   276   47   47	FT   CY   FT   EA   EA			S           	С	3376.1       	  3-WF3     	3.9	
-N  	1-3SLB   	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA EA CY	C	C C	S   	С	Ì	  3-WF3   	ii	
[-N] [	1-3sLs   	322144   656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND		EA CY	С	   C   C	i i	С	3373.2   	  3-WF3   		
[-N]	iln-s/u		TC-LANE CLOSURE URBAN STREET	1 1		с		[ ] S [	с	1	1   TC3		
N	  LN/S/S	i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1 1		С		   \$	с	1	TC4	1.0	
-N	  XING/S	i i	TRAFFIC COND. (XING LANE) STREET REPAIR	i 1		C	<b>i</b> [	[   Ş	С	1 [	I ITC4	0.1	
[-N    	XING-U 	1 i	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1   1	TN	с	I C			ĺ	ITC4	0.1	
	   PLANTU	• •	REMOVE/REPLACE LANDSCAPING	   20	• •			   S			  3-WF3	2.0[	

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PROJECT: 25	3568 3	JOB:01	SAN DIEGO GAS AND DPSS ~ DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JO	31					STATUS: AC			R: 2960700
ESIGN: 01	NAME	ROLANDO		S: ACT									
OCATION: 2	01 SHE	ET: 01 I	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	WE: 999-99	99 I	OCATIC	N 201 OF 58
WRK  F-C MU ID	  AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK	MAT  RSP	TIM   TRT	ACC   TRT	STANDARD PAGE	CREW    TYPE	EST   HOURS	
I-N(	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	1	DIFI	I C	1	S	C	G7453	3-WF3	4.1	
I-NI	  BKF-3' 	i i	BACKFILL TRENCH 3 FOOT DEEP	1 1	) F.1		[ [ [	l S	1 C	1   	3-WF3  C-BC	0.2 0.2	
1-N  	Ì	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		0   F1 1   TN 	1 C 11 1	1	1 S   	C   	G7405   	3-WF3  C-BH  C-DT	   	
	i	  249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	i 1 i 1	0   E7	ci c	ιc	S 		3373.1		0.2	
1-N1	R-XCES	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 	0 F]	1 C (		S		 		0.3	
I-N	plantu		REMOVE/REPLACE LANDSCAPING	i.		ni c			,   C 	i	3-WF3	0.3	
I-NI	I ICC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH		7   F1		i –	S	i C 1	ĺ	SR3AS	0.3	
I-NI	  CF-H12	1	FINISH CONCRETE SURFACE MAN 12 IN	1		ri c			, c	1	SR3CS	i i	
1 I-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	i		ri c	1	S	Ċ	İ	SR3AS	0.1	
I-N	Ì	  114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	I			, c	1	[	 	C-BC  SR4AL 	0.1 0.1	
I-N        	BHO3XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASBHAIT COLD MIX	i 1 1 1	7   F: 3   E2 1   T1	ei C	   C   C	\$   	1 C	1G7453 1 1		0.7 0.7 1.4	
		[X30007]	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		7   F:	ri c	I	S		i I I		1.5 	
I-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	[ 5					i c I	G7409   	3-WF3	0.1 	
I-N    	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	i 7 1	0   F	T   Y		l	) C   	3376.1 1		1.0   	
   -N  	1-3SLB   	656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		2   E3 2   E3 1   C3	AİC Al Yı	1   C   C	1 S 1 1	i c l l	3373.2   [	3-WF3	0.1   	
   I-N   	;1-35L8	  321878   656400	1-3 IN DE 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND		 2 E 2 E 1 C								 

DP001EM2-L0 09/05/17 1	1:36					DPSS	S - DES	EGO GAS	LEW CON	2Y - D	ETAII							P	AGE NO 231
ROJECT: 2	53568	JOB:01		TYP	E: UD	NAME	: ROLF	ANDO BLK	7G2 -3	lec Jo	в 1				5	TATUS: A	CT W	ORK ORDE	R: 2960700
ESIGN: 01	NAM	E: ROLAN	EDO BLK 7G	2 T&C	JOB 1			SI	TATUS:	ACT									
OCATION:	201 SH	EET: 02	DISTRICT	: CM	DESIG										PHON	IE: 999-9	999	LOCATIO	N 201 OF 58
WRK  F-C MU ID	  AU IE	[ [STOCK#	   					NOTES		RQD	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
I-N	1	υi I	   TC-LAN	E CLOS	URE URB						1	l I Ç		s	   C		   TC3	1 1	
I-N	LN/S/	s[	LANE C	LOSURE	URBAN	ST (S	TREET	REPAIR)											
WORK FA		с	EXIS	T TAG	NEW	TAG					(	CONS	FRUCT	ION	NOTE	:5			
										SHT									
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OJECT: 25	3568 J	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO	) BLK 7G2 -1	T&C JOB	1					TATUS: AC		KK OKDE	R: 2960700
SIGN: 01	NAME :	ROLANDO	BLK 7G2 T&C JOB 1		STATUS:										
CATION: 2	02 SHEE	ST: 01 I	DISTRICT: CM DESI	GNED BY: GEORGE											ON 202 OF 58
RK! -C MU ID	  AU ID		DESCRIPTION/	CONSTRUCTION NO	DTES	QTY   RQD	  UM[	WRK  RSP	MAT   RSP [	TIM  TRT	ACC   TRT	STANDARD PAGE	CREW	EST     HOURS	
[−N	3'HD-A	I I	HAND DIG TRENCH 3	FT DEEP AVE		6	FT	C	1	SΙ	CI	G7453	3-WF3	2.7	
I-N	i		BACKFILL TRENCH 3	FOOT DEEP		6 	FT  	C   		S [ 	C (		3-WF3   C-BC	0.1	
I-N  	i I	6114921	SHADE TRENCH WITH SAND, FILL RECY			6   1	TN ]	C I	C   	S   	C 1	G7405	3-₩F3  C-BH  C-DT		
I-N	1	  249664	1-3 IN DB CONDUIT CONDUIT DB 3 IN	SEC 20 FT LENGTH		6	  FT   FT  	с   	1 C	S [	C   l	3373.1	  3-WF3   	[ 0.1	
I-N	R-XCES		EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP	)	1 6 1 1	FT   CY	C I	c	<b>S</b> 1	C I		C-DT	0.2	
I−N∣	ICC-2CT	1	CONCRETE 2 SAW CUT	AND BREAK ME	сн	6	FT	CI		S	CΙ			i 0.2	
I-NI		i i	FINISH CONCRETE SU	RFACE MAN 12	IN	1 6	FT	CI		SΙ	CΙ		SR3CS	Ē	l
[ I-N]   		  x20201	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE		5   4   1	FT     EA     TN	с     	   C     C	5	c i	G7453	С-ВС [С-ВН	0.2	i
I-N  	REM-3'	1    X300071	TRENCH SPOIL 3 F1 DUMPING FEE	DEPTH		5	CY	C I	     	S   	С		)C-DT	0.≰ 	   
I-N	SLR-18		BACKFILL SLURRY 18 SLURRY MIX, 1 SA		IN DEEP	15		ci	i	S [	С	G7409	3-WF3 	i	1 1
I-N    	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA	20 FT LENGTH		1 66	FT]  CY	[		S   	С	3376.1   		1	 
I-N    	1-3SLB	322048	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SF	3 IN 90 D 36 I	RY ENC N R	2   2   1	EA   EA   CY	C I	1   C     C	\$     	c	3373.2   	3-WF3   	0.1   	
I-N!	1   ln-s/u	   <b> </b>	TC-LANE CLOSURE UP	BAN STREET		1 1	EA	сI		S	с	1	   TC3	; ] 1.0	l
1	  LN/S/S		TC-LANE CLOSURE UF	ST (STREET RE	PAIR)	1 1	EA	с		s	c l	1 1 -	] TC4	1.0	l
WORK FAC	-		EXIST TAG NEW		<b></b>				IRUCI						

09/05/1									DPSS	- DE	SIGN	REVIE	W COP		TAII							P	AGE NO 233
ROJECI	r: 253	568	JOB:01	I	REV:0	Т	YPE:	UD	NAME	: ROI	ANDO	BLK 7	G2 -T	C JOB	1								R: 2960700
		NAME		NDO H	BLK 70	52 T&	C JO	в 1				STA	TUS: 3	ACT									
		3 SHE							NED B	Y: GE	LORGE		R						PHOÌ	NE: 999-99	99	LOCATIO	N 203 OF 587
F-C   MU	JIDI	AU ID	STOCK	[ #[		DESC	RIPT	ION/C	CONSTR	UCTIC	NON NOT	TES		RQD	UM	WRK RSP	(MAT (RSP	I TIM I TRT	ACC	STANDARÐ   PAGE	CREW   TYPE	L EST L	
I−N  	1	3421-1	  514240	: 1 10	PAD 34	121 1	-PHA	SE TF	ANSFO	RMER				1 1	EA ]   EA ]	с	[ [ C	5	¢	3421.1	3-AF4 	0.4	
I-N	i	X-XF1P			PAD PE	REP 3	8421	PAD (	(1-pha:	SE TF	RANSFO	RMER)		1	EAI	Ç	[	(S	с	l			
I-N  	i	TG−T-₩	31281	61	TRENCH WIRE	H GRE E BAR	WIR E CO	E W/C PPER	) RODS #2-7 :	(TRA STR S	ANS/CF SOFT E	AP) DRAWN		1	EA   LB	¢	[   C	[ S [	С	4510.1 	I 3SWF3	0.2	
I-N    	   	1-3SLB	1656400	1 : 8[ 0	SLUE	RRY M	ίIX,	1 SAC	K SAN	D		r ENC R		6 6 2	EA   EA	С	   C	S		3373.2		0.3	· · · · · · · · · · · · · · · · · · ·
VORK FUNC		DESC													 c	CONS	IRUC:	eion	NOTE				
Τ	PD	PAD						D218	3240				SEE	SHT 1	4								
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CATION: 204 RK    -C MU ID  AU -N   3' -N   BF     	SHEE	T: 01 	O BLK 7G2 T&C JOB 1 STATUS DISTRICT: CM DESIGNED BY: GEORGE BONNER										
RK    -C MU ID  AU -N   3'     -N   BF 	   ID    +	   							PHON	VE: 999-99	99 I	OCATIO	N 204 OF 58
-N   3' !  -N   BF 	'HD-A	01001011	DESCRIPTION/CONSTRUCTION NOTES	QTY   ROD	I UM	WRK	MAT RSP	TIM	ACC	STANDARD PAGE	CREW	EST   HOURS	
-N   BF			DESCRIPTION/CONSTRUCTION NOTES	+ ! 12	FT				с	G7453	[3-WF3]	4.8	<b>-</b>
1	KF-3'İ	1		12	   FT	l c		   S	с	   	  3-WF3   C-BC	0.2  0.2	
i 1 I 1	HD-12  		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	12   1	FT   TN 	C   	С	Ș         	С	G7405   	C-BH    C-DT		
	1	 249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	12	FT	іс 1	c		с	3373.1 	  3-WF3  	0.2	
i	-XCES	x30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12   2	CY	i c	i I C	S   	¢	'   	C-DT	0.3	
	C-2CT	1	CONCRETE 2 SAW CUT AND BREAK MECH	1 12	FT	i c I	i.	S	c	1		0.5	
	F-H12		FINISH CONCRETE SURFACE MAN 12 IN	j 12	FT		i	[ S ]	С	İ	)  SR3CS	i i	<u> </u>
-N   BI	l	 x20201  114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	i 5 t 4	FT   EA   TN	C   	   C   C	S	c	G7453   	C-BC  C-BH  3SWF4 	0.2	
1 1	EM-3'  	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 5		I C 1	l	S	C	1	C-DT	0.4  	
  -N  [S] 	LR-18	1 6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15 i 1	IFT ICY	i c	1   C		1	G7409 	3-WF3		
-NÍ 11	EB3SL	ا ا 249664		i 5 i 5 i 1	FT  FT  CY			S	C   	13376.1 1	[3-WF3 [ ]	1 1	
  -N   L	N-S/U		   TC-LANE ÇLOSURE URBAN STREET	i 1	ĒA	C	1		C	1		1.0	
  -N   L]	N/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		I EA			   S		1			
IORK FAC FUNC CODE	DESC		EXIST TAG NEW TAG			CONS	TRUC	TION	NOT	ES			
			s	EE SHT 1	1								

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DP001EM2-L 09/05/17 1	OCAL40-0	01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW C	ELECTRIC OPY - DE	TAI	L						F	AGE NO 235
PROJECT: 2	53568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: AC	CT WO	RK ORDE	R: 2960700
DESIGN: 01	NAME	. ROLAND	DO BLK 7G2 T&C JOB 1 STATUS	- 24CTT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 205 OF 587
WRK   F-C MU ID	AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK   RSP	MAT  RSP	TIM   TRT	ACC	STANDARD   PAGE	CREW	EST     HOURS	
I-N	3'HD-A	1 [	HAND DIG TRENCH 3 FT DEEP AVE	[ 17	FT	I C	1	S	C	G7453	[3-WF3	6.6	
I-N	1	1 I 1 I	BACKFILL TRENCH 3 FOOT DEEP	17	FT	I C	1	( S	C I		[3-WF3	0.3	
I-N    I-N  		1 i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	17   1	FT   TN 	[ C 	   C	S   	C 	G7405   	3-WF3  C-BH  C-DT	0.1    0.1    0.1	
I-N  	I	      249664  	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	í 17	   FT   FT 	C 	[	S   	C 	3373.1 	[	0.3  	
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 17		i c		S	c	 	[	0.4	
I-N	plantu 	i i	REMOVE/REPLACE LANDSCAPING			C	1			i	[  3-WF3	1.2	
I-N	CC-2CT	1 1	CONCRETE 2 SAW CUT AND BREAK MECH	i 3		l C	 	S	i c	Ì	i I SR3AS	0.1	
   I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	i 3		i c		S	-	Ì	i I SR3CS	i i	
I-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	[ 18		I C	1	 [ S	C	Ì	   SR3AS	0.5	
   I-N  		i i	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	18   2	FT   TN	י 1 ע ו	ן 1 1 טן	5	с	 	  C-BÇ  SR4AL	0.5	
I-N  	BHO3XH   	i [x20201  [114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	28   21   1	EA TN	C   		S   		  G7453 	3SWF4	1.1    1.1    2.2	
I-N]	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		  FT  CY	   C 	l c		c	1	C-DT	I 2.5	
I-N{   I -N	(SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	5	CY		C		I	  G7409 	1	L I	
	1EB3SL   	249664[	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	97   97   2	FT   CY	C   	i c I C	S   	С	3376.1 	  3-WF3   		
I-N        	1-3SLB   	1 1	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA   CY	C   		[S] [] []	С	3373.2   	1	   <b> </b>	
I-N	LN-S/U	[	TC-LANE CLOSURE URBAN STREET	1	]EA	C	İ.	\$		Ì	TC3	1.0	
I-N			LANE CLOSURE URBAN ST (STREET REPAIR)		I EA		 		с		   TC4	1 1.0	·

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DP001EM2-LO 09/05/17 11		)1						60 GAS AN EN REVIEW			AIL						PA	GE NO 236
PROJECT: 25	3568	JOB:01	REV:0	TYPE	: UD	NAME:	ROLANE	O BLK 7G	2 -T&	JOB (	1			STATU	S: AC	T WOF	RK ORDEF	: 2960700
DESIGN: 01	NAME		DO BLK 7G	2 T&C J	OB 1				US: A	T								
LOCATION: 2	05 SHE		DISTRICT	: CM	DESIG	NED BY:	GEORG	E BONNER							99-99	99 I	LOCATION	205 OF 587
WRK   F-C MU ID	AU ID	STOCK#		DESCRIP				IOTES	1	QTY	WRK	[MAT]]	rim¦A0	CISTAN	IDARĎ Jge	CREW  TYPE	EST    HOURS	
	i i plantu	1	   REMOVE	/REPLAC	e lani	SCAPIN	3										1.01	
WORK FAC FUNC CODE			EXIS	T TÀG	NEW	TAG						TRUCTI	ION NO	DTES				
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ROJECT: 25			REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2										R: 2960700
			0 BLK 7G2 T&C JÓB 1 		JS: ACT				·					
OCATION: 2	06 SHE	ET: 01	DISTRICT: CM DÉSIGN	ED BY: GEORGE BONNER							VE: 999-99			N 206 OF 5
WRK) F-CIMU ID	]AU ID	STOCK#	DESCRIPTION/CO		RQD	UM	RSP	RSP	TRT	TRT		TYPE	HOURS	
I−N		i i	ASPHALT 2 SAW CUT A		18	[FT	i C	i i	SI	c		SR3AS	0.5	
I-N  	AB-M18 	  114201	ASPHALT BASE MECH ASPHALT (BASE)	18 IN	18	FT	i c		S I	С		C−BC  SR4AL	0.5	
I-N    	BH03XH   	X20201	MACH DIG TRENCH 3 F TRAFFIC BEARING ST ASPHALT, COLD MIX		i 20	EA   TN	i	       C     C	l	CI	G7453	C-BC  C-BH  3SWF4	1.0    2.1	
I-N1	REM <b>-</b> 3 '	  X30007	TRENCH SPOIL 3 FT D DUMPING FEE	epth	26		i c		SI			  C-DŢ 	2.3	
I-N   	SLR-18	656400	BACKFILL SLURRY 18 I SLURRY MIX, 1 SACK		78   5	FT   CY	C 	   C	S I	С	G7409	1	0.2	
1-N1	PLANTU		REMOVE/REPLACE LANDS	CAPING	5		ίC	1 1	SI	сi			0_51	
[ [	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SL CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACK	FT LENGTH	127   127   3	FT   CY	ic I I	i c i i c i	S I I	l	3376.1	  3-WF3   	1.8  	
E F	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN BEND CONDUIT DB 3 SLURRY MIX, 1 SACK	R BEND SLURRY ENC	2   2   1	EA CY	i c I I		S I		3373.2	1	i i	
[-N]	XING-U 	114215	TC-TRAFFIC CONDITION ASPHALT, COLD MIX	S STREET CROSSINGS	1	TN	i C 1		l	Í		1	0.1    0.1	
E−N	XING/S		TRAFFIC COND. (XING	LANE) STREET REPAIR	í 1		ic	i i	SI			I ITC4		
<b>-</b> N	∣  LN-S/U		TC-LANE CLOSURE URBA	N STREET	i 1	EA	I C		S	Ċ			1.0	
	  LN/S/S		LANE CLOSURE URBAN S									[   TC4	1.0	
NORK FAC			EXIST TAG NEW T	AG		(	CONS	IRUCI	ION	NOTE	s			
					SEE SHT 1	0,1	4							

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ROJECT: :	253568	JOB:01	SAN DIEGO DPSS - DESIGN 1 REV:0 TYPE: UD NAME: ROLANDO	BLK 7G2 -T&	JOB	1				ŝ	STATUS: AC	T WO	RK ÖRDE	R: 2960700
ESIGN: 0	1 NAME	ROLANE	O BLK 7G2 T&C JOB 1	STATUS: A										
			DISTRICT: CM DESIGNED BY: GEORGE	BONNER						PHO	Æ: 999-99	999	LOCATIO	N 207 OF 5
WRK  F-C MU I	DIAUID	   STOCK#	DESCRIPTION/CONSTRUCTION NOT	ÉS [	ROD	τīΜ	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	[HOURS]	
I –N [	3'HD-A	L	HAND DIG TRENCH 3 FT DEEP AVE	1	15	FT	С		S I	С		3-WF3	] 5.9	
I-N  	   BKF-3 ' 		BACKFILL TRENCH 3 FOOT DEEP				с			С	1		0.2    0.2	
I-N    	Í.		SHADE TRENCH WITH SAND - 12 INCH W SAND, FILL RECYCLED MATLS PREFF		15 1	FT		   C 		С	G7405   	3-WF3  C-BH  C-DT		
Í-N   	11083-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	   		FT   FT		   C	្រោ		  3373.1 	  3-WF3   	1 0.2	
[-N]	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1	2	FT CY	l	     C			l		0.4	
I-N	i I PLANTU		REMOVE/REPLACE LANDSCAPING			] FT				С	•	3-WF3	1.5	
[ I-N    		  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1	4	FT   EA   TN	1	   C   C	S		G7453   	IC-BC IC-BH I3SWF4	1 0.2    0.2    0.4	
] I.—N  	(REM-3'	1X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE			FT   CY	   C 	   C	1 S	C I	.   	  C-DT 		
I-N  	SLR-18 ]	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN SLURRY MIX, 1 SACK SAND	IDEEP İ		   FT   CY	C   	   C	S		[G7409 ]	3-WF3 		
i I-NI 1	1EB3SL   	249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	   	5	FT  FT  CY			1				i 0.1	
I-N  	1-3SLB   	322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY BEND CONDUIT DB 3 IN 90 D 36 IN SLURRY MIX, 1 SACK SAND		1 1	EA   EA   CY 	i	1   C   C	S   	ίC	3373.2   	3-WF3     		
I-N	]   LN-S/U	l I	TC-LANE CLOSURE URBAN STREET	1	1	EA	i C		S		i			<u>+</u>
 I-N	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPA			   EA					1		1.0	

SEE SHT 14
DP001EM2-LC 09/05/17 11	:36					255 - D	ESIGN RE	AS AND EL EVIEW COP	Y - DE	TAI								AGE NO 239
PROJECT: 25	3568	JOB:01		TYPE:	UD NA	AME: RO	LANDO BI	ЫК 7G2 −т	&C JOB	1				:	STATUS: A	T WO	RK ORDE	R: 2960700
DESIGN: 01								STATUS: .									<b>-</b>	
LOCATION: 2			DISTRICT:															N 208 OF 587
[WRK] [F-C MU ID	  AU ID	   STOCK#	l I DE	SCRIPTI	ON/CONS	STRUCTI	ON NOTES	G	RQD	UM	WRK   RSP	MAT	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW	EST    HOURS	
[ I-N   [	330926 	  162690	( HAND HOL   QUAZIT	E 3309.	2 37"X	26" X			[ 1 [ 1	EA  EA	C 		S	С	3309.2 	[35WF3 [	0.8	
I-N  	X09H26 	162690	INSTALL   QUAZIT						i 1	EA	I C	I I	   \$	С	3309.2	  3swf3 	i 0.8	
I-N	1	)  322048	) 1-3 IN D   BEND C	ONDUIT	DB 3 IM	N 90 D	SLURRY E 36 IN R	ENC	5   5	EA  EA	[ C [	   C		С	3373.2			
I-N	1	ſ	SLURRY     REMOVE/R							1	[	i I	   			i I		
WORK FAC			<b>---</b>					• <b>••</b> ••										
FUNC CODE	DESC		EXIST	TAG	NEW TAG	3					CONST	IRUCI	NÓI	NOTI	ES			
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9/05/17 11	:36		SAN DIEGO GAS AND DPSS - DESIGN REVIEW C			·							D. 2060700
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2							AC		K ORDE	K: 2960700
ESIGN: 01	NAME :	ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT									
CATION 2	00 SHEE	err• 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 209 OF 58
WRK  F-C MU ID	AU ID	STOCK# [	DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT	STANDARD PAGE	(TYPE )	HOURS	
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	С	l	S	с	G7453	3-WF3	4.8	
I-N  	BKF-3'  		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	12	FT	ci		S I	с	   	3-WF3   C-BC [	0.2  0.2	
i T-NI	SHD-12	l l	SHADE TRÊNCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	12   1	FT [   TN ]	CI	с	S	i c	G7405	3-WF3   C-BH    C-DT	.     	
	  1DB3-5   	  249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	12   12	FT   FT	ci	с	S	i c	3373.1		0.21	
I-N  	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12   2	FT   CY	C	Ċ	S	1 C	L E 3 1		0.3	
1 I-N]		i i	REMOVE/REPLACE LANDSCAPING	1 12	FT	с	-	( 5	c	1	3-WF3	1.2	
I-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH	1 9	FT	с		) S	i c	l	SR3AS	0.2	
I-N[	1	  114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 9   1	FT     TN	с	с	S 		l	C-BC	0.2]	
  -N  	[	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	20   15   1	FT EA TN	с 	C C	S   	¢   	G7453   	C−BC	0.8  0.8  1.6	
I–N	;  RĒM-3'	· ·	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	20   5	FT  CY	l C l	i c	S 	l C I	i t	C-DT 	[ 1.8] 	
I-N	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	j 60	FT  CY	C 	i i c	S 	C 	G7409 	3-WF3	0.1  	
1 I-N  	11EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	60 60	FT   FT	l C I	   C	) S ]	C 	3376.1	3-WF3	0.8      	
[ I — N [   		656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	EA   EA   CY	C   	   C   C	I S	1 C 1	3373.2 ] 	3-WF3   	0.1    	
 I-N	   ln-s/u	1	TC-LANE CLOSURE URBAN STREET	1	IEA	c		S	c .	   	TC3	1.0	<del>_</del> _
 I-N	I ILNI/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	IEA	C		S	l C	l l	TC4	1.0	·

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

#### CONSTRUCTION NOTES

SEE SHT 10,14

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ROJECT: 25			REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2		1				5	STATUS: AC	CT WO	ŔK ORDE	R: 2960700
			O BLK 7G2 T&C JOB 1		S: ACT									
OCATION: 2	10 SHEI		DISTRICT: CM DESIGN	ED BY: GEORGE BONNER						PHON	IE: 999-99	999	LOCATIC	N 210 OF 5
WRK  F-C MU ID	AU ID	   stock#		NSTRUCTION NOTES	QTY   RQD	   UM	WRK  RSP	MAT  RSP	TIM  TRT	ACC   TRT	STANDARD PAGE	CREW   TYPE	EST    HOURS	
I-N	3'HD-A 	1	HAND DIG TRENCH 3 F	T DEEP AVE	[ 12	FT	I C		S	CI	G7453	(3-WF3	4.8	
	BKF-3'		BACKFILL TRENCH 3 FO	OT DEEP		   FT 				c		[ [3-WF3 [C-BC	0.2	
		611492  ]	SHADE TRENCH WITH SA SAND, FILL RECYCL		12   1	TN	•	   C   		Ì	G7405	3-WF3  C-BH  C-DT		
I —N	1DB3-5 	i i	1-3 IN DE CONDUIT SE CONDUIT DE 3 IN 20		12	] ] FT ] FT	1	   C	Sİ		3373.1		0.2    0.2	
I.	R-XCES 	I [  X30007	EXCESS TRENCH SPOIL DUMPING FEE	(12 IN DEEP)	12   2	ICY	,   C 	   c		C			i 0.31	
	PLANTU		REMOVE/REPLACE LANDS	CAPING		] ] FT			5	c		  3-\ver3	0.5	
I-N	  сс-2ст	1	CONCRETE 2 SAW CUT A	ND BREAK MECH	7	i   FT	l [ C		S	C I		SR3AS	1 0.3	
I-N	  CF-H12	i [	FINISH CONCRETE SURF	ACE MAN 12 ÎN	   7	FT	I I C		 S	C I		   SR3CS	i i	
	1	i  x20201   114215	MACH DIG TRENCH 3 F TRAFFIC BEARING ST ASPHALT, COLD MIX		4   1	FT EA TN	I I	   C     C	1	C I		C-BH  3SWF4	0.2 0.2 0.4	
[	REM-3' 	X300071	TRENCH SPOIL 3 FT D. DUMPING FEE	EPTH	1 5	  FT  CY	i c		- , [	C   		C-DT	i 0.41 I I	
I	SLR-18 	656400	BACKFILL SLURRY 18 I SLURRY MIX, 1 SACK	N WIDE X 12 IN DEEP SAND		FT   CY	1		S   	1	G7409	  3-WF3 	 	
	1EBĴSL 	249664	1-3 IN EB CONDUIT SL CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACK	FT LENGTH	i 46 i 1	FT CY			S   	İ	3376.1	  3-WF3   	0.6  	
I-N	LN-S/U	i I	TC-LANE CLOSURE URBA		1		C		s	CI			i 1.0i	
	  ln/s/s		LANE CLOSURE URBAN S	T (STREET REPAIR)	   1		C	 	 \$	c		   TC4	• •	

SEE SHT 10,14

			SAN DIEGO GAS AND DPSS - DESIGN REVIEW CO REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	T&C JOB	1				5	STATUS: AC	T WOR	K ORDE	R: 2960700
			O BLK 7G2 T&C JOB 1 STATUS						PHO	NE: 999-99		OCATIC	N 211 OF 58
			DESCRIPTION/CONSTRUCTION NOTES			TTD 1/1	MAT	TTM	ACC TRT	STANDARD   PAGE	CREW    TYPE	EST   HOURS	
I-N	3'HD-A		NAND DIC TORNOG 3 ET DEED AVE	1 16	I FT I	с		S	1 C I	IG7453	3-WF31	6.3	
l I-N  	  BKF-3'	1 1	BACKFILL TRENCH 3 FOOT DEEP	   16 	FT			S	l 1 C 1	[ [ ]	3-WF3] [C-BC ]	0.2	
I-N]	1	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	16   1	FT   TŅ		с	S	C   	G7405   	3-WF3   C-BH    C-DT	   [	
I-NI	l l	249664	1-3 in de conduit sec conduit de 3 in 20 ft length	] 16	FT		C	S 	1 C	3373.1 		0.21	
1-N  1	R-XCES 	1 <b>X3</b> 00071	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE							i.			
 I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	1 11	1 5 1		1	S 	1.0	1	3-WF3	T * T ;	·
I-N(		i i	CONCRETE 2 SAW CUT AND BREAK MECH	I 5	· · · ·	   C	i	S 	1 C	1	SR3AS	0.2	l
I-NI	  CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	j 5	FT	C	İ	S	i ¢	i .	SR3CS		i
1 1-N		1	ASPHALT 2 SAW CUT AND BREAK MECH	18	FT	   C 	!		I C	i	SR3AS	0.5	l
I-N	1	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	[ 18	IFT	U		i s	i c		C-BC SR4AL	0.5 0.5	1
	BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	28   21   1	FT   EA   TN	C   	C C	S   	C   	G7453   	IC-BC	1.1 1.1 2.2	 
I-N	REM-3 '	  X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 28	1 FT	   c 	1	L S	1 C	   	C-DT	2.5	
I-N  	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	84   5	FT  CY	C 1	l C	S 	1 C 	1G7409 1	3-WF3	1 0.2 1	   
1 1-N    	L1EB3SL	  249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED	102   102   2	IFT IFT	I C	   C   C	S 	C   	3376.1   	3-WF3	1.4	[ [ ] ]
[ I-N[   !	  1-3SLB 	  322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 2	EA EA	C	i I C	i s		3373.2   	3-WF3   	1	1 1
1 1-N	l   LN-S/U	<b>I</b> []	TC-LANE CLOSURE URBAN STREET	1	IEA	.I C	1	) S	I C	1	TC3	1.0	۲ ۱
  I-N			LANE CLOSURE URBAN ST (STREET REPAIR)	•						I I .			

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PROTECT: 223366 JOB:01 REV:0 TYPE: UD NUME: ROLANDO BLK 762 -74C JOB 1 STATUS: ACT MORE ORDER: 2968700 DESIGN: 01 NAME: ROLANDO BLK 762 T4C JOB 1 STATUS: ACT  COCATION: 211 SHEET: 02 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DISTRICT: 01 DIST	DP001EM2-LO 09/05/17 11	:36	01							LECTRIC PY - DET.						PA	GE NO 243
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT LOCATION: 211 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 211 OF 587 WRKI	PROJECT: 25	3568	JOB:01	REV:0	TYPE:	. UD N	JAME: RC	LANDO BI	LK 7G2 -	T&C JOB	1						2960700
LOCATION: 211 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATION 211 OF 587         IWRKI       I       I       I       ICTY   WRKIMATITIMIACCISTANDARD   CREW   EST           IF-CIMU ID IAU ID ISTOCK#I       DESCRIPTION/CONSTRUCTION NOTES       I QTY   WRKIMATITIMIACCISTANDARD   CREW   EST           I+	DESIGN: 01	NAME	: ROLANI	DO BLK 7G2	Tac Jo	DB 1			STATUS:	ACT							
IWRKI       I       I       I       IQTY   WRKIMATITIM ACCISTANDARD   CREW   EST           IF-CIMU ID IAU ID ISTOCK#        DESCRIPTION/CONSTRUCTION NOTES       I RQD UMIRSPIRSPITRTITRT PAGE       ITYPE  HOURS          I-++++++++++++++++++++++++++++++++++	LOCATION: 2	11 SHE	ET: 02	DISTRICT:	CM		ED BY: G	SEORGE BO	ONNER				PHO	DNE: 999-9	999 1		211 OF 587
II-NI     PLANTUI     REMOVE/REPLACE LANDSCAPING     IIIFTICIISICI       WORK     FAC       FUNC     CODE     DESC       EXIST TAG     NEW TAG       CONSTRUCTION NOTES       SEE SHT 10,14	WRK	1	(	1		FION/COM				LOTY	WR	KIMATI	TTMIACO	C STANDARD   PAGE	CREW	HOURS	
WORK FAC FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES SEE SHT 10,14	I - N				REPLACE	E LANDSO	CAPING			   10	FT  C	-++     	s i c	1	Í I		
	WORK FAC			EXIST	TAG	NEW TA	\G				CON	STRUCT	ION NO.	res			~~~~~
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P001EM2-I 9/05/17 3	LOCAL40-00 L1:36	1	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	LECTRIC PY - DET	AIL	ı.							AGE NO 244
ROJECT: 2			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -							AC PRIMATE	т เงิดม	X ORDER	3: 2960700
ESIGN: 01	l name	ROLAND	O BLK 7G2 T&C JOB 1 STATUS:	ACT									
OCATION:	212 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	LOCATIO	N 212 OF 58
WRK  F-C MU II	   AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	   11111	WRK)	MAT	TIM	ACC	STANDARD	CREW  TYPE	EST	
		+		1 15	יים. היים ו	~ 1			, c	107453	। ও–আ স ও	5.91	
I−N↓ 	  BKF-3'  		HAND DIG TRENCH 3 FT DEEP AVE BACKFILL TRENCH 3 FOOT DEEP	15							· •	0.2	
I-N[   	I.		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	15   1		¢	С	S   	C   	G7405   }	3-WF3   C-BH   C-DT		
ן 1 מ–1 1	i	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	15	  FT   FT				i c	3373.1 		0.2	
-N [	IR-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 15		~	С	S 	i c	i I		[ 0.4]	
 [-N]	PLANTU	• •	REMOVE/REPLACE LANDSCAPING			¢	l	S	c	1	•	0.5	
 [-N		1 1	CONCRETE 2 SAW CUT AND BREAK MECH	i 10	FT	С	1	S		i	SR3AS	0.4	
 I-N	  CF-H12	   <b>!</b>	FINISH CONCRETE SURFACE MAN 12 IN	i 10	FT	с	i	   S	I C	i.	SR3CS		
I-N!   	I.	  X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	1 5   4   1	FT   EA   TN	i C I		S	C   	G7453 	C-BC C-BH 3SWF4	] 0.2    0.2    0.4	<u>.</u> ,
I-N[ [	1	  x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	i 5 i 2	  FT  CY	i c		\$ 	1	1	  C-DT   	1	
I-N  ]	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15   1	FT   CY	i c	i I C	i S I		G7409 	3-WF3	1	- ·
1 1-N  1	1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5	FT FT	i C 1 1	i   c   c	I S	i c I I	3376.1   [	3-WF3   		
i I-Ni 1 1	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	i 1 i 1	EA  CY			i I	C   	13373.2 1	1	1	
 I-N	  ln-s/u	 	TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	1	IEA	1   C		S	i c		TC3	1.0	
I-N	1   LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1   1	  EA	C		S	1 C	1	TC4	1 1.0	

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DESC

EXIST TAG NEW TAG

#### CONSTRUCTIÓN NOTES

#### SEE SHT 13

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			REV:0											<u>ڊ</u>	STATUS: AC	CT WOR	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLANI	0 BLK 7G2	T&C JOB	1		:	STATUS: /	ACT									
		ET: 01	DISTRICT:	CM DE	ESIGNE	D BY: G	EORGE BOI	INER						PHO	NE: 999-99			ON 213 OF 5
WRK  F-C MU ID	AU ID	   STOCK#	DE	SCRIPTIC	ON/CON:	STRUCTI	ON NOTES		QTY RQD	) I UM	WRK     RSP	RSP	TIM  TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST  HOURS	
I – N	330926	i	HAND HOL QUAZIT	E 3309.2	2 37"X	26" X	26"		1	EA	C		S	С	+  3309.2 	3SWF3	0.8	
I-N  	X09H26 	 [162690	INSTALL QUAZIT	EXCAVATI	ION/REN	MOVE ·			   1	:   EA	   C	 	   S	С	  3309.2 	  3swf3  	   0.8 	
I <b>-</b> N]	]1-3SLB ]	322048	1-3 IN D BEND C	ONDUIT I	DB 3 IN	N 90 D	36 IN R		3	EA			SI	С	3373.2		0.2	
i	1		SLURRY REMOVE/R							1		Ι.		1		    3-WF3	[	
TUNC CODE	DESC		EXIST	TAG N	NEW TAC	G		SEE	SHT 1		CONSI	IRUC:	TON	NOTI	ES			
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ROJECT: 2	53568 3	JOB:01	REV:0 TYPE: UD NA	ME: ROLANDO BLK 7G2	-T&C JOB	1								R: 2960700
			O BLK 7G2 T&C JOB 1		: ACT									
CATION:	214 SHEE	ET: 01	DISTRICT: CM DESIGNED	BY: GEORGE BONNER										N 214 OF 58
VRKI F-CIMU ID	AU ID	STOCK#1	DESCRIPTION/CONS	TRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
[-N[	AS-2CT	E	ASPHALT 2 SAW CUT AND		60	FT	С	1		с	l	SR3AS	1.6	
	I	114201	ASPHALT BASE MECH 1 ASPHALT (BASE)	.8 IN	I 60	IFT	С		S	Ċ	[	C-BC	1.6	
1 [-N]   	BH03XH	X20201   114215	MACH DIG TRENCH 3 FT TRAFFIC BEARING STEE ASPHALT, COLD MIX		70   53   1	FT     EA     TN	С			С	G7453   	C-BC   C-BH	2.8 2.8 5.6	
[-N] 	1	X30007	TRENCH SPOIL 3 FT DEP DUMPING FEE	РТН	1 18	FT   CY	С	l	S			C-DT	5.2	
[-N]	SLR-18	6564001	BACKFILL SLURRY 18 IN SLURRY MIX, 1 SACK S	WIDE X 12 IN DEEP SAND	12	FT   CY	¢	i I C	S	i c	G7409 		0.4  	
[-N	PLANTU		REMOVE/REPLACE LANDSCA	APING	į 10	FT	С		S	С		3-WF3	1.01	
1-N    	i i		1-3 IN EB CONDUIT SLUP CONDUIT DB 3 IN 20 F SLURRY MIX, 1 SACK 5	ד דיאר איז די די	i 59 1 59 1 2	CY	С	c	S   	C   	[3376.1   1	3-wf3	[ 0.8] 	
I-N    	1-3SLS	  322144   656400	1-3 IN DB 22.5 D 25 F BEND CONDUIT DB 3 IN SLURRY MIX, 1 SACK 5	F R SLURRY ENCASED N 22.5 D 25 FT R	4   4   1	I EA I CY			S   	l [	3373.2   	3-WF3		
I-N	XING-U	114215	TC-TRAFFIC CONDITIONS ASPHALT, COLD MIX	STREET CROSSINGS	1   1	  FT  TN 	C I	   C	   S 	1 C 1	1 1 1	TC4	0.1    1	
I-N	XING/S		TRAFFIC COND. (XING L	ANE) STREET REPAIR	i 1		i c	I		C	i	TC4		
I-N	   LN-S/U	i i	TC-LANE CLOSURE URBAN	STREET	i 1	IEA		i		D I	i	TC3		<u> </u>
[ I-N	  ln/s/s		LANE CLOSURE URBAN ST	(STREET REPAIR)							!		1.0	
NORK FF			EXIST TAG NEW TAG	3		(	CONS	TRUC	TION	NOT	ËS			
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			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-TéC JOB 3	1				Ş	STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 01				5: ACT									
CATION: 2	15 SHEE	ET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHON	NE: 999-99	99	LOCATIO	N 215 OF 58
F-C(MU ID	AU ID	   STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD  I	UMI	RS₽∣	RSP:	TRT	TRT	STANDARD	TYPE	HOURS	
I-N	;3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	10	ΕT	CI		s	C	G7453	3-WF3	4.1	
I-N!	BKF-3 ' 	i i I 1	BACKFILL TRENCH 3 FOOT DEEP	10 3				S	( C (	I	3-WF3  C-BC	0.2	
I-N[ I	l I	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		TN   	1	С	S	I	G7405 	3-WF3  C-BH  C-DT	]   ]	
I-N ]	1DB3-S 		1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 10 1   10 1	FT	сi	С		i	3373.1		0.2	
-N!	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 10 1   1 0	FT   CY	сi	с	S	с	, ] ]	C-DT	i 0.3	
I-N]	;   PLANTU 	i i	REMOVE/REPLACE LANDSCAPING	i 30	FT	сi		s	C .	Ì	3-WF3	0.3	
I-N	1 1CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	1 7[1	 FT	сi		5		I	   SR3AS 	i 0.3	
I-N	) CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	1 711	FT	С		S	, c	1	SR3CS	i i	
I-N]   	] BHO3XH ] ]	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5 1   4 1   1 1		с і І	С	S		G7453   		0.2 0.2	
I-N]	REM-3 '		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5 1   2 0	CY	сi	с	S	1.	]	  C-DT   	0.4	
	SLR-18	i i	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15 1   1 (						G7409	3-WF3 	i i	
r I	1EB35L	2496641	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	3 1   1 0	FT   CY		с с			3376.1 	3-WF3   	[ ] [ ]	
-N    	1-3SL8   	[  321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	2 I   2 I   1 0	EA   CY	I	c c	S		3373.2	  3-wf3   	0.11 	-
	LN-S/U	i i	TC-LANE CLOSURE URBAN STREET	1 1 1	EAI	C	Í	S	c		TC3	1.0	
	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		[						l	   1.0	

SEE SHT 10,13

ROJECT: 25	3568	ЈОВ:01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW ( REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1				\$	STATUS: AC	T WOI	RK ORDE	R: 2960700
ESIGN: 01	NAME :	ROLANE	O BLK 7G2 T&C JOB 1 STATU:	S: ACT									
OCATION: 2	16 SHE	ST: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER							NE: 999-99			N 216 OF 587
WRKI F-CIMU ID	IAU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	I UM	WRK RSP	MAT   RSP	TIM ; TRT ;	ACC TRT	STANDARD   PAGE	CREW   TYPÉ	EST   HOURS	
I-NI	3'HD-A	[ [	HAND DIG TRENCH 3 FT DEEP AVE	1 15	I FT	c	r i	S 1	с	G7453	3-WF3	5.9	
I-NI	  BKF-3' 	i i	BACKFILL TRENCH 3 FOOT DEEP	1 15	$ \mathbf{FT} $	C	 	S   	С	1 1	3-WF3  C-BC	0.2    0.2	
  -N    [	  SHD-12 	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	TN 		   C   	 1	С	G7405 	C-BH   C-DT	     	
  -n  	1	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 15 I 15	   FT   FT 	i c I	   C		С	3373.1 	  3-WF3   	0.2	
I-N	1	  X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	i 15 i 2	FT  CY 	іс 1		\$   	С	1 	C-DT	0.4	
 I-N	PLANTU		REMOVE/REPLACE LANDSCAPING			i c		s i		i	3-WF3	0.4	
[ I-N[		i i	CONCRETE 2 SAW CUT AND BREAK MECH	11					С	ĺ	SR3AS	0.4	
I-NI		1	FINISH CONCRETE SURFACE MAN 12 IN	i 11	FT		i i		Ç	l	SR3CS	i i	
 I-N! 	l	x20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	,   5   4   1	FT   EA   TN	i c 1 1		S   	С	G7453   	C-BC  C-BH  3SWF4	0.2    0.2    0.4	
1-N  	REM-3 '	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	IFT ICY 1	C		1	С	L	  C-DT 	0.4  	
[ I-N]	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 15 i 1	FT	C 	   C	S   	С	G7409   	3-WF3   	i i	
I-N	i 1EB3SL I	1249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	3   3   1	FT   FT   CY	i c   			С	3376.1   			
 I-N    [		321878  656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	2   2   1	IEA IEA ICY	C   	C   C   C	SI	¢	3373.2   			
I-N	]  LN-S/U	1	TC-LANE CLOSURE URBAN STREET	1	EA	l c		\$ 1	С	1	[TC3	1.0	
 I-N]	  LN/S/S	1	TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	1	  EA	l C		S	с	1	TC4	1 1.01	

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## CONSTRUCTION NOTES

### SEE SHT 9

DP001EM2-LC 09/05/17 11	:36					DPSS -	- DESI	EGO GA: IGN RE	S AND : VIEW C	ELECTRI OPY - I	ETA	IL							I	AGE NO 249
PROJECT: 25	3568	JOB:01	REV:0	TYPE:	UD	NAME :	ROLAN			-TeC JC	в 1					5	STATUS: AC			R: 2960700
DESIGN: 01	NAME	: ROLANI		2 T&C JC	DB 1			:	STATUS											
LOCATION: 2	17 SHE	ET: 01		CM				RGE BOI	NNER											N 217 OF 587
WRK   F-C MU ID  +	AU ID	[STOCK#	I	DESCRIPT	TION/CO	ONSTRU	CTION	NOTES		QTY   RQI	וס	W. M   R	RK I SP I	íAT ' ∖SP '	TIM  TRT	ACC   TRT	STANDARD PAGE	CREW  TYPE	EST	
I – N   	330926 	  162690	HAND HO QUAZI	DIE 3309	9.2 37'	"X 26"	X 26'				1   E 1   E	A  A	C I	c	S   	C I	3309.2	3SWF3	0.8	
I-N	X09H26 	162690	INSTALI QUAZI							l	1 E 1 E	A  A	сi	c i	S   	1	3309.2	  3SWF3   	0.8	
I-N   	1	  322048	1-3 IN BEND	CONDUIT	CDB 3	IN 90	D 36	JRRY EI IN R	NC	Ì	31E 31E	A A	сі	c i	s i	C I	3373.2	3-WF3 	0.2	
1 1	1	I I	REMOVE/		LANDS	SCAPIN	G			] 1					- 1	1		i	0.1	
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TOTON OI	NUMBER		O BIN 762 THE TOP 1	NAME: ROLANDO BLK 7G2	JS: ACT									
				GNED BY: GEORGE BONNER							NE: 999-9		LOCATIO	N 218 OF 58
E-CIMU TO	  AU ID	STOCK#1	DESCRIPTION/	CONSTRUCTION NOTES	QTY   RQD		WRK RSP	MAT RSP	TIM   TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	HOURS	
I-N	AS-2CT			AND BREAK MECH	i 20	FT	с	I	S	С	l		0.51	
I-N  	I.	  114201	ASPHALT (BASE)	H 18 IN	1 20 1 3	FT     TN	С	l L C	S 	C 	1		1 0.5    0.5	
I-N1   	i I		MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	STEEL PLATE	26   20   1	FT     EA     TN	с	   C   C	15		G7453   	C-BC	1.0    1.0    2.1	
I-N  	1	  X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH	i 26 I 7	FT    FT     CY	С	   C	S 	i C 1	i		2.31	
 [-N  ]	SLR-18 	6564001	BACKFILL SLURRY 18 SLURRY MIX, 1 SA		1 78   5	FT   CY	i c	i I C	i s	C 	G7409		0.2	
I-N	PLANTU			DSCAPING	į 5		i c	ì	S	C	1		0.5	
I-N  i I	1 1	  249664   656400	CONDUIT DB 3 IN SLURRY MIX, 1 SA	SLURRY ENCASED 20 FT LENGTH CK SAND	160   160   4	FT   FT   CY	; c ; ;	;   C   C	S   [	1 C 1	13376.1 1	3-WF3   	2.21	
     	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SA	IN R BENĎ ŚLURRY ENC 3 IN 90 D 36 IN R CK SAND	2   2   1	EA EA CY	i c   	   C   C	1 1	i c I I	3373.2   	3-WF3   	0.1      	
I-N[   	XINGU	114215	TC-TRAFFIC CONDITI ASPHALT, COLD MI	ONS STREET CROSSINGS X	i 1 i 1	] FT	i c I	C	S		1	  TC4 		
 I-N	XING/S		TRAFFIC COND. (XIN	G LÀNE) STREET REPAIR	1	FT	l C	i i		C	1	TC4	0.1	
1-N	[ [LN-S/U	i i	TC-LANE CLOSURE UR	BAN STREET		, EA	i c	i	S	C I	Ì		1.0	
 1-N	  LN/S/S	1	LANE CLOSURE URBAN	ST (STREET REPAIR)	1	EA	C		s	i c	l			
WORK FA			EXIST TAG NEW	TAG		(	CONS	TRUC	TION	NOT	ES			
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-CIMU ID  AU ID  STOCK#  DESCRIPTION/CONSTRUCTION NOTES 	ACT I QTY   RQD   I 260  I 260  I 270  I 270  I 270  I 270  I 270  I 270  I 270  I 31  I 270  I 31  I 10  I 270  I 31  I 10  I 270  I 31  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 10  I 20  I 20  I 10  I 20  I 20  I 20  I 10  I 20  I 20  I 20  I 10  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20  I 20	 UM[ FT] FT] FT] FT] CY  FT] FT]	WRKI RSP C C C	MAT I RSPI C C C	TIM TRT   S [ S [ S [ S [ ] S [ ] S [ ]	PHON ACC   TRT   C	NE: 999-99 STANDARD PAGE G7453	CREW   TYPE   SR3AS     SR-3A       C-BC   C-BH	EST   HOURS  6.81 7.0  13.5]	
ZATION: 219 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER         KK                 CIMU ID       AU ID         STOCK#1       DESCRIPTION/CONSTRUCTION NOTES         -N1       IAS-2CT        ASPHALT 2 SAW CUT AND BREAK MECH         I                 -N1       IAB-M24        ASPHALT BASE MECH 24 IN         I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I                 I        <	I QTY   RQD   260 1 200 1 10 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 270 1 20 1 20 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	UM[ TT  TT  TT  FT  EA  TT  FT  CY  FT	WRKI RSP C C C		TIM TRTI S S S S I S I I S I	ACC TRT C	STANDARD PAGE G7453	CREW   TYPE   SR3AS     SR-3A       C-BC   C-BH	EST   HOURS  6.81 7.0  13.5]	
-CIMU ID AU ID STOCK# DESCRIPTION/CONSTRUCTION NOTES 	I         RQD           I         2601           I         2601           I         2601           I         1001           I         2701           I         2701           I         2701           I         2701           I         2701           I         2701           I         2701           I         31           I         2701           I         2701           I         921           I         8101           I         611	UM[ FT] FT] FT] FT] FT] FT] CY] FT]	C I C I C I C I		TIM  TRT    S [   S [   S [   S [   S [   ] ]	C I	STANDARD PAGE G7453	CREW   TYPE   SR3AS     SR-3A     SR-3A       C-BC   C-BH	EST   HOURS  6.81 [ 7.0] [ 13.5]	
-N!       IAS-2CT        IASPHALT 2 SAW CUT AND BREAK MECH         I       IAB-M24        IASPHALT BASE MECH 24 IN         I       I14201        ASPHALT BASE MECH 24 IN         I       I14201        ASPHALT BASE MECH 24 IN         I       I14201        ASPHALT BASE MECH 24 IN         I       I14201        ASPHALT BASE         I       I14201        ASPHALT BASE         I       I14201        ASPHALT BASE         I       I14201        ASPHALT BASE         I       I20201        TRAFFIC BEARING STEEL PLATE         I       I14215        ASPHALT, COLD MIX         I       I14215        ASPHALT, COLD MIX         I       I14215        ASPHALT, COLD MIX         I       I14215        ASPHALT, COLD MIX         I       IX30007        DUMPING FEE         I       IX30007        DUMPING FEE         I       ISLR-24        BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP         I       ISLR-24        BACKFILL SLURRY MIX, 1 SACK SAND         I       I       I         I       IEB3IN        I-3 IN EB CONDUIT CONC ENC         I       I248201        CONCRETE - 2 SACK (GRAVEL MIX)	260       260       1     260       1     10       1     270       1     270       1     270       1     270       1     270       1     270       1     270       1     270       1     270       1     270       1     31       1     270       1     31       1     31       1     31       1     31	FT   FT		S [   S [   S [   S [   S [   ]	с   с   с	G7453	SR3AS     SR-3A       C-BC   C-BH	6.81 7.01 13.51		
-N!        AB-M24         ASPHALT BASE MECH 24 IN                  114201        ASPHALT (BASE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               </td <td>1     10        1     270        270      270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     92        1     92        1     61        1     61 </td> <td>TN   FT   EA   TN   [ FT ] CY   ] FT ]</td> <td>C</td> <td></td> <td>      5          </td> <td>с</td> <td>G7453</td> <td>1 1 1C-BC 1C-BH</td> <td>    13.5 </td> <td></td>	1     10        1     270        270      270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     270        1     92        1     92        1     61        1     61	TN   FT   EA   TN   [ FT ] CY   ] FT ]	C		   5       	с	G7453	1 1 1C-BC 1C-BH	   13.5	
NI       !BH04XH        MACH DIG TRENCH 4 FT DEEP BACKHOE         I       IX20201        TRAFFIC BEARING STEEL PLATE         I       I114215        ASPHALT, COLD MIX         I       I       I         -NI       IREM-4'        ITRENCH SPOIL 4 FT DEPTH         I       IX30007        DUMPING FEE         I       I       IX30007          SLR-24        !BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP         I       I656400        SLURRY MIX, 1 SACK SAND         I       I         I       I         I       I         I       I         I       I         I       I         I       ISLR-24          I       ISLGE400          SLURRY MIX, 1 SACK SAND         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I      I	270  270  3  270  270  270  270  92  810  810  61	FT   EA   TN   [ FT ] CY   ] FT ]	C I		1   1   1	CI	G7453	C-BC  C-BH	13.5	
-N          REM-4'          TRENCH SPOIL 4 FT DEPTH                   X30007        DUMPING FEE                                   -N          SLR-24        BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	270  92  810  61	ET] CY  ] FT]	CI					I3SWF4	27.0[	
-N   SLR-24    BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP      656400  SLURRY MIX, 1 SACK SAND       -N   1EB3IN    1-3 IN EB CONDUIT CONC ENC     248201  CONCRETE - 2 SACK (GRAVEL MIX)	810) 61)	ET			1	CI		IC-DT I	32.4	
-N   1EBJIN    1-3 IN EB CONDUIT CONC ENC    248201  CONCRETE - 2 SACK (GRAVEL MIX)			CI	I	S   	CΙ	G7409	13-WF3	2.4	
663528  SPACER INTERMEDIATE 5 IN 2-WAY       663530  1 IN BASE SPACER	1 319 1 7 1 319 1 54 1 54	FT   CY   FT   EA   EA		0000	S           	C	3376.1	3-WF3     	4.51 1 1	
-N  [1-3SLB    1-3 IN DB 90 D 36 IN R BEND SLURRY ENC      322048  BEND CONDUIT DB 3 IN 90 D 36 IN R    656400  SLURRY MIX, 1 SACK SAND	)     1    1    1	EA  EA  CY]	CI		S [ 	C	3373.2		0.1	
656400  SLURRY MIX, 1 SACK SAND	[ 4    4  [ 1	EA   CY	с і І		S	c i		[	Í	
-N   LN-S/U   TC-LANE CLOSURE URBAN STREET	i 1i		сI		S I	c I			1.0	
 -N    LN/S/S!   LANE CLOSURE URBAN ST (STREET REPAIR)	1		сI		5			TC4	1.0	
-N   XING/S!   TRAFFIC COND. (XING LANE) STREET REPAIR			C I	I	S			  TC4   	0.1	
-N  XING-U   TC-TRAFFIC CONDITIONS STREET CROSSINGS     [114215] ASPHALT, COLD MIX	1    1)	FT   TN	C	C	S	сi			0.1	
	10							3-WF3	1.0	
DRK FAC INC CODE DESC EXIST TAG NEW TAG		C	ONSI	RUCI	TION	NOTE	s			

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DP001EM2-LO	:36					DPSS -	DESIGN	) GAS AN N REVIEW	COPY	- DE	TAI	6 						F	AGE NO 252
PROJECT: 25	3568	JOB:01		TYPE:	UD	NAME:	ROLANDO	D BLK 7G	52 - T&	C JOB	<u>1</u>								R: 2960700
DESIGN: 01	NAME	: ROLANI		2 T&C JO	в 1				US: A	CT							·		
LOCATION: 2	20 SHE	ET: 01	DISTRICT	: CM	DESIG			E BONNER							PHON	ME: 999-99		LOCATIC	N 220 OF 587
WRK   F-C[MU ID	  AU ID	   STOCK#			ION/C	ONSTRUC	TION NO	OTES	1	RQD	ΙUΜ	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
1 i	330926 	 [162690	HAND H	DLE 3309	.2 37	"X 26"				1 1	EA  EA	с	с	S	¢	3309.2 	3SWF3	0.80	
i i	X09H26 	162690	INSTAL	ITE BOX	37"X2	6"26"			1   	1 1	EA  EA		с	S	С	3309.2		0.8	
	1	322048	   1-3 in   BEND   SLUR	CONDUIT	'DB 3	IN 90	ID SLURE D 36 II	RY ENC N R		3 3 1	IEA IEA		C C	S   	С	3373.2   	3-WF3   	0.2 [	
		l I	   REMOVE	/REPLACE	LAND	SCAPING	3		i			 [ C				[	 [3-WF3		
WORK FAC FUNC CODE			EXIS	T TAG	NEW	TAG			SEE	SHT 9		CONST	IRUC:	rion	NOT	ËS			
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ROJECT: 2	53568 ,	JOB:01	REV:0 TYPE: UD	SAN DIEGO DPSS - DESIGN NAME: ROLANDO	BLK 7G2 -Ta	C JOB	1				S	STATÚS: AC	T WOE	RK ORDEI	R: 29607	700
ESIGN: 01	NAME	: ROLAND	O BLK 7G2 T&C JOB 1		STATUS: A	ACT										
OCATION:	221 SHE	ET: 01	DISTRICT: CM DESI	GNED BY: GEORGE	BONNER						PHON	VE: 999-99			y 221 OF	F 58
WRKI	1	I I	DESCRIPTION/			OTY	1	WRK	ТАМ	ТТМІ	ACCI	STANDARD	CREW	EST 1		
I-N	AS-2CT	I I	ASPHALT 2 SAW CUT	AND BREAK MECH	I	28	] FT	C		\$	С	l	SR3AS	0.7		
I-N	AB-M18 	  114201	ASPHALT BASE MECH ASPHALT (BASE)	H 18 IN		28 4	FT   TN	i c I	C	1	С		SR4AL	I 0.81 I 0.81		
	BH03XH	13202031	MACH DIG TRENCH 3 TRAFFIC BEARING 3 ASPHALT, COLD MI	STREI, PLATE		29 1	FT   EA   TN	i c I I	C C	S   	с	G7453	C-BH  3SWF4	1.5    1.5    3.0		
I-N	REM-3' 	  X30007[	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH		38 10	FT   CY	1	l C	S   			IC-DT			
	SLR-18	656400	BACKFILL SLURRY 18 SLURRY MIX, 1 SA			114 7	CY	i C 1	   C	S   	С	G7409	1	0.21		
I-N		]   ]	REMOVE/REPLACE LAN	DSCAPING				i c	i	   S	С			0.51		
		2496641	1-3 IN EB CONDUIT : CONDUIT DB 3 IN : SLURRY MIX, 1 SA	20 FT LENGTH		18 1	FT  CY	1		S   		3376.1				
	1-35LS   	322144   6564001	1-3 IN DB 22.5 D 2 BEND CONDUIT DB 3 SLURRY MIX, 1 SA	3 IN 22.5 D 25 B	TR	2 2 1 1	EA  EA  CY	i c   		5 [ ] [	С	l	1			
I-N	XING-J	114215	TC-TRAFFIC CONDITI ASPHALT, COLD MI			1 1	TN	i c I	i I C		С	[	1	0.11		
I-N[	  XING/S	i i	TRAFFIC COND. (XIN	G LANE) STREET F	REPAIR	1		ic	l	I S I	C	ĺ	TC4	0.1		
∑-N	  LN-S/U 	i i	TC-LANE CLOSURE UR	BAN STREET		1		i c	Ì	เรเ		·		1.0		
I-N	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPA			   EA			   S				1.0		
WORK FA FUNC COD			EXIST TAG NEW	TAG				CONS	TRUC	rion	NOTE	ES				
					SEE	SHT 9										

ROJECT: 25	3568 (	JOB:01	SAN DIEGO GAS ANI DPSS - DESIGN REVIEW REV:0 TYPE: UD NAME: ROLANDO BLK 763	2 −T&C JOE	3 1					STATUS: A	CT WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	ROLAND	D BLK 7G2 T&C JOB 1 STAT	US: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-9	999	LOCATIO	N 222 OF 58
WRK  F-C MU ID	  AU ID	  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   Uh	WRH	(MAT PIRSP	TIM	ACC   TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
I-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP AVE	[ 16	5   FT	1 C	1	I S	[ C	G7453 	3-WF3	[ 6.3]	
I-N I	1	i i I .l	BACKFILL TRENCH 3 FOOT DEEP	i 10	5   FI	ri c I	i T	S	1 C	E	3-WF3   C-BC	1 0.21	
I-NI	i I	  611492  	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		5   F3 .   TN 	ri c 11	   C 	S   	C   	G7405   	3-WF3  C-BH  C-DT		
(-N	1	  249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	10   10	5 F1 5 F1	ni c N	ì	1 S 1	i c	3373.1 	  3-WF3   	0.2	
i i	R-XCES	      X30007  	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE					S	C	1		0.4	
I-NI	PLANTU	í í	REMOVE/REPLACE LANDSCAPING	1 1(		ri c	1	ŝ	•	İ		1 1.0	
I-NI	  CC-2CT	i i	CONCRETE 2 SAW CUT AND BREAK MECH	j (		ri c	ļ	s	i c	1		0.2	
I-N		1	FINISH CONCRETE SURFACE MAN 12 IN	i e	5 F.	ci c	1	5	i c		   SR3CS	i i	
  N  	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		B   EZ	zi c VI VI	   C   C	1	l I	G7453   	C-BC  C-BH  3SWF4	0.21 0.21	
r-n	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		   F:   C: 	ri c (I	c	S	1	i.		i i	
i I-N  !	SLR-18	6564001	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 1:		ri c (1			i c	G7409			
1 1N  	1EB3SL   	2496641 1656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		4   F: 4   F: 1   C:	ric Ti Ki		1	i l	3376.1 	3–₩F3	0.1	
I-N[	LN-S/U		TC-LANE CLOSURE URBAN STREET	i i	I I EZ	₹Ì C	i.	I S	C	1	TC3	1.01	
l	1	1 1	LANE CLOSURE URBAN ST (STREET REPAIR)							l		1 1.0	

SEE SHT 9,13

ROJECT: 25	3568 .	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7	G2 -T&C .	JOB	1				5	STATUS: A	CT WOR	NK ORDE	R: 2960700
ESIGN: 01	NAME	ROLAND		TUS: ACT										
OCATION: 2	23 SHEI	ZT: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNE							PHOI	VE: 999-9	999 I	LOCATIO	N 223 OF 58
WRK	1	1 1		Q'   R(	TY QD	ן אט	WRK RSP	MATI	TIM  TRT	ACC TRT	STANDARD PAGE	CREW   TYPE	EST   HOURS	
	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	1		FT]	С		S (	С	G7453		5.9	
I-NI			BACKFILL TRENCH 3 FOOT DEEP	1					S [	С		3-WF3  C-BC	0.21	
I-N    	SHD-12	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	1	1	TN ]		   C     1	s ( I		G7405	C-BH   C-DT		
		    249664  	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH		15	   FT   FT	С		S I	С	3373.1	i i	0.2	
I-N  1	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE		2	FT   CY		C	s i	С		  C-DT 	0.4	
I-N	PLANTU	i i	REMOVE/REPLACE LANDSCAPING		15	FT	С			C		3-WF3	1.5	
I-N    	1	(   X20201    114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX		5 4 1	EA   TN	с	C     C	s     	с	  G7453 	C-BH  3SWF4	0.2 0.2 0.4	
I-N    	1	1X300011	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		5 2	   FT [   CY [	C	       C	s i	С		  C-DT 	0.4[	
I-N  	SLR-18 		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND			FT	С	i i	S   	С	G7409	3-WF3		
I – N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND		5 1	FT [ CY [		C     C	S     	с	3376.1 	3-WF3	0.1(	
I-N    	]	  322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		1 1 1	EA   CY	с	C     C     C	S     	с	  3373.2 			
I-N!	iln-s/U	i i	TC-LANE CLOSURE URBAN STREET			EA					l		1.0	
	1  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		1	EA.	с	 	S 1	С		   TC4		

SEE SHT 9

	.:36 3568 3	JOB:01	REV:0 TYPE: U	ID NAME: ROLAN	IDO BLK 7G2 -	T&C JOE	1				5	STATUS: AC			R: 2960700
			D BLK 7G2 T&C JOB		STATUS:	ACT									
OCATION: 2	24 SHEE	T: 01	DISTRICT: CM DH		GE BONNER							1E: 999-99			N 224 OF 5
WRK  F-C MU ID	  AU ID	STOCK#	DESCRIPTIO	N/CONSTRUCTION	NOTES	RQD	ÚM	RSP.	MAT   RSP	TIM} TRT	ACC   TRT	STANDARD	CREW     TYPE	EST   HOURS	
I-N  	3421-1	 514240	PAD 3421 1-PHASI PAD 1-PHASE XI	TRANSFORMER MR / 3-PHASE F.		i 1	EA	CI	1	SI	С	3421.1	] 3-AF4	0.4	
1-N	X-XF1P	i	PAD PREP 3421 PA		ISFORMER)	1	EA	c	1	S	¢		3SWF3	0.4	
I–N  [			TRENCH GRD WIRE WIRE BARE COPI		S/CAP)	.   1	EA  LB	C   	c	ទេ [	С	4510.1	35WF3  	0.21	
  -N  	1-2SLB 	321812	1-2 IN DB 90 D : BEND CONDUIT I SLURRY MIX, 1	36 IN R BEND SLU DB 2 IN 90 D 36	JRRY ENC		ÉA  EA	C	с	S]	¢	3373.2	3-WF3    3-WF3  	0.1	
I-N    	1-35LB	3220481	1-3 IN DB 90 D 3 BEND CONDUIT D SLURRY MIX, 1	DB 3 IN 90 D 36	IN R		EA  EA		ç	S	C	3373.2	1	0.3	
NORK FAC	2						(	CONST	RUC	TION	NOT	ES			
<u></u>			. <u>.</u>												
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		-													
		<b></b>				<u> </u>									

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2	53569	TOP - 01	SAN DIEGO GAS AND DPSS - DESIGN REVIEW										
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2		<u>1</u>					AC	WOI		R: 2960700
				S: ACT									
	225 SHE	ST: UL	DISTRICT: CM DESIGNED BY: GEORGE BONNER										N 225 OF 58
WRK  F-C[MU ID	AU ID		DESCRIPTION/CONSTRUCTION NOTES	1 QTY 1 RQD	   UM	WRK  RSP	IMAT IRSP	] TIM ] TRT	ACC   TRT	I STANDARD	CREW  TYPE	EST    HOURS	
I-N [	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	I C	1	S	( C	[G7453	3-₩F3	4.8	
I-N	BKF~3 ' 		BACKFILL TRENCH 3 FOOT DEEP	1 12	FT 	C 	1	I S	C 	•	3-WF3  C-BC	0.21	
I-N[ [ [		611492] 	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	12   1   1	TN	i c I I	i c I	S	C   		3-WF3  C-BH  C-DT		
	1DB3-S	1	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	i 12 i 12	FT   FT	i c	i i c	S	i c I		i	0.21	
I-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12   2		ić 1	[	S	i c	i	  C-DT 	0.3	
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	[ 12	ĒT	l C			C 	1		0.51	
I-N		i i	FINISH CONCRETE SURFACE MAN 12 IN	12	FT	iс		្រ	i c	Ì	[SR3CS	1 1	
I-N  	BH03XH	[  %20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	8   6   1	EA  TN	1 C 1	1 C 1 C	[ <b>S</b>   	 	G7453   	  C-BC  C-BH  3SWF4	0.3    0.3    0.6	
I-N  	REM-3	1 1	TRENCH SPOIL 3 FT DEPTH DUMPING FEE BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	8 1	  FT  CY 	I C		s		l	  C-DT   	0.71	
I-N I	1	656400  	SLURRY MIX, 1 SACK SAND	2	FT CY	i c	i c		ic 1	G7409		1	
	] [	249664   656400	CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	8   8   1	FT   FT   CY	C   1	1 1 C 1 C	S   		13376.1   	3-WF3   	0.1	
[ I-N[ [	  1-3SL8 	    321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND		CY	i c 1		1	[ C [	13373.2 1	1		
ĭ-N	  LN-S/J	i i	TC-LANE CLOSURE URBAN STREET	1	   EA	1	1	1	1	1	  TC3	1.0	
 I-N	  LN/S/S	] [	TC-LANE CLOSURE URBAN STREET LANE CLOSURE URBAN ST (STREET REPAIR)	[ [ 1	EA	] ] Ç	ł	l IS	   C	t I	  TC4	   1.0]	
WORK FAC FUNC CODI			EXIST TÀG NEW TAG			CONS	TRUC	TION	NOT				
				SEE SHT 9									

a a construction of the construction of the

OJECT: 25	3568	JOB:01	SAN DIEGO GAS A DPSS - DESIGN REVI REV:0 TYPE: UD NAME: ROLANDO BLK 7	7G2 -T&C JOB	1				1	STATUS: AG	T WÓN	RK ORDE	R: 2960700
SIGN: 01	NAME	ROLANI	DO BLK 7G2 T&C JOB 1 STA	ATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNE	ZR									N 226 OF 58
IRK  F-CIMU ID	  AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	LOTY	1	IWRK	імат	TTM	ACC	I STANDARD	CREW	EST	
[-N	3'HD-A	1	HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C	1	S	C	G7453	3-WF3	7.0	
E−N	  BKF-3' 	   	BACKFILL TRENCH 3 FOOT DEEP	   18 	FT	C 	   	S	i c	 	3-WF3	0.3    0.3	
[   N    	  SHD-12	     611492	   SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND, FILL RECYCLED MÀTLS PREFFERED 	18   1	1	C 	1	   	i c 1	(G7405 ]	3-WF3  C-BH  C-DT	0.1    0.1    0.1	
[-N	1DB3-S 	249664	   1-3 IN DB CONDUIT SEC   CONDUIT DB 3 IN 20 FT LENGTH	18   18	  FT  FT	i c I	I C	1 S	1	3373.1		0.3  	
t-N  	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE	i 18 i 2	   FT   CY 	i c I	i   c	S		l F	  C-Dで 	0.5	
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	•		i c	ļ	s	i C	1	13-WF3	1.8	
I-N    	i	  x20201	   MACH DIG TRENCH 3 FT DEEP BACKHOE   TRAFFIC BEARING STEEL PLATE   ASPHALT, COLD MIX		B FT 5 EA		C	IS 1	C   	G7453   	C-BC  C-BH  3SWF4	0.3 0.3 0.6	
I-N[	1	x30007	TRENCH SPOIL 3 FT DEPTH   DOMPING FEE		I FT CY	i c I	   C	S	[ [ C ]	1	  C-DT 	0.7	
[-N]	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEE   SLURRY MIX, 1 SACK SAND	P.  24   2		i c		S	i c	G7409 	3-WF3		
E-N    	Ì	  249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED   CONDUIT DB 3 IN 20 FT LENGTH   SLURRY MIX, 1 SACK SAND	8   6   1	BIFI BIFI LICY	i c II II	C   C	1	C   		3-WF3   		~
  -N  	11-3SL8	321878	1 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC		L   EA L   CY		   C   C	i I	i c 1	1	3-WF3   	i i	
1 1-N	LN-S/U	-	   TC-LANE CLOSURE URBAN STREET	j 1		i c	1	   S	i c	Ì		1 1.0	
I-N  '	i  ln/s/\$	1	   LANE CLOSURE URBAN ST (STREET REPAIR)		i Liez		1	l IS			   TC4	1.0	

SEE SHT 9

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			REV:0 TYPE: UD									STATUS: AC	T WOI	RK ORDEF	: 2960700
ESIGN: 01	NAME	ROLAND	O BLK 7G2 T&C JOB 1		STATUS: A	\ст 									
			DISTRICT: CM DESI		BONNER						PHON	NE: 999-99	99 :	LOCATION	227 OF 58
WRK[ F-C[MU ID	 [AU ID	   STOCK#	DESCRIPTION/	CONSTRUCTION NOT	IS I	QTY RQD	  UM	WRK RSP	MAT     RSP	TIM  TRT[	ACC   TRT	STANDARD PAGE	CREW  TYPE	EST    HOURS	
I-N}	IAS-2CT		ASPHALT 2 SAW CUT	AND BREAK MECH	ļ	19	ET	С	] ]	S	С		I SR3AS	0.5	
	AB-M18	114201	ASPHALT BASE MEC ASPHALT (BASE)	H 18 IN		18 2	£T     £T     TN	с		SI	CI		SR4AL	0.5    0.5    0.5	
1-N    	18H03XH 1	  X20201	MACH DIG TRENCH 3 TRAFFIC BEARING ASPHALT, COLD MI	FT DEEP BACKHOE STEEL PLATE	I	28 21 1	FT     EA     TN	С	   C     C	S   	CI	G7453	  C-BC  C-BH  3SWF4	1.1    1.1    2.2	
1-N  	RÊM-3 ' 	 [X30007	TRENCH SPOIL 3 FT DUMPING FEE			28 7	FT   CY		i i	S I			1	i 2.5i_ I I	
I-N   	SLR-18 	656400	BACKFILL SLURRY 18 SLURRY MIX, 1 SA		DEEP	84	FT	С		S	С	G7409	1	1 0.21	
I-N	PLANTU		REMOVE/REPLACE LAN	DSCAPING				С		S	С			i 0.5i_	
 I–N  	1	  249664   656400	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SA				FT   CY		C     C		С	3376.1	  3-WF3   	1.8 _ 	
I – N     	1-3SLB   	322048	1-3 IN DB 90 D 36 BEND CONDUIT DB SLÜRRY MIX, 1 SA	3 IN 90 D 36 IN 9	R I	2		C	l i	S	С	3373.2	  3-WF3   !	i i	
I-N    	1-3SLS   	  322144   656400	1-3 IN DB 22.5 D 2 BEND CONDUIT DB SLURRY MIX, 1 SA	3 IN 22.5 D 25 F		4 1	EA   CY	l	C     C				  3-WF3   	0.7 _ 	
   -N 	XING-U	114215	TC-TRAFFIC CONDITI ASPHALT, COLD MI		INGS	1	FT [   TN [	c	i c i	S	c		[TC4	   0.1 _ 	
I-N	XING/S	i 1	TRAFFIC COND. (XIN	g lane) street ri	EPAIR	1	FT	c	i i	s				0.1	
I-N	  ln-s/u	I I	TC-LANE CLOSURE UR	BAN STREET		1	EA [	¢	i i	s	-			_   1.0	
 I —N	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPA	IR)			¢		S I			   TC4	1 1.01	
WORK FAC FUNC CODI			EXIST TAG NEW	TAG	SEE	SHT 9		CONS	FRUCI	TION	NOTE	25			

DP001EM2-L0 09/05/17 13	DCAL40-001 1:36	SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	ELECTRIC DPY - DET	TAI	-						Pi	AGE NO 260
PROJECT: 2	53568 JOB:01	L REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -	-T&C JOB	1					STATUS: AC	T WOI	RK ORDEI	R: 2960700
DESIGN: 01	NAME: ROLA	NDO BLK 7G2 T&C JOB 1 STATUS:	ACT									
		DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	999	LOCATIO	N 228 OF 587
WRK   F-CIMU ID	AU ID STOC	k k k description/construction notes	QTY   RQD	I UM	WRK	MAT  RSP	TIM   TRT	ACC   TRT	STANDARD   PAGE	CREW	EST    HOURS	
I-N	[3'HD-A]	HAND DIG TRÊNCH 3 FT DEEP AVE	į 20	FT	1 C	1	S	C	G7453	3-₩F3	7.7	
[  I-N  	I	BACKFILL TRENCH 3 FOOT DEEP	20	FT	i c I	1 1	S	i c I	1	3-WF3  C-BC	0.3    0.3	
   I-N      		   SHADE TRENCH WITH SAND - 12 INCH WIDTH 92  SAND, FILL RECYCLED MATLS PREFFERED 	20   2	TN 	C   	i i c i	S 	C I I	G7405   	3-WF3  C-BH  C-DT	0.11 0.11 0.11	
  I-N  	12496	   1-3 in de cònduit sec   conduit de 3 in 20 ft length	1 20 1 20	FT   FT	i C I	   C	i S	i C 1	3373.1 		1 1	
I-N		EXCESS TRENCH SPOIL (12 IN DEEP) 071 DUMPING FEE	20   2		) C 1	I C		I C		C-DT	0.5	
I-N	CC-2CT	CONCRETE 2 SAW CUT AND BREAK MECH	20	FT		i	] 5		Ì	SR3AS	0.81	
1-N		FINISH CONCRETE SURFACE MAN 12 IN	į 20	FT	i c	•	1 S		1	SR3CS	0.1	
  I-N[		ASPHALT 2 SAW CUT AND BREAK MECH	15		ίc		s	• -	L F	SR3AS	0.4	
I-N	1142	ASPHALT BASE MECH 18 IN 01 ASPHALT (BASE)	i 15	FT	-	i –	i s I	•	1	C-BC		
1  I-N    1	X202    1142	MACH DIG TRENCH 3 FT DEEP BACKHOE 11 TRAFFIC BEARING STEEL PLATE 15 ASPHALT, COLD MIX	35   27   1	FT   EA	i c [ 1		I S I	i c	G7453   	C-BC  C-BH  3SWF4	1.4    1.4	
  I-N  	X300	TRENCH SPOIL 3 FT DEPTH 07 DUMPING FEE	35   9	FT CY	i c		I S	i c		C-DT	3.1  	
I-N	1 6564	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP 00 SLURRY MIX, 1 SACK SAND	i 105 I 6	FT  CY	ic I	i I C	S	i c I	G7409 	3-WF3	0.2	
I-N  	2496 6564	1-3 IN EB CONDUIT SLURRY ENCASED	105   105   2	FT   FT		   C   C	Ś	Ċ   	3376.1	3-WF3	1.5  	
  I-N  	3220   6564	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC 481 BEND CONDUIT DB 3 IN 90 D 36 IN R 00 SLURRY MIX, 1 SACK SAND	i 2	I EA	i c	i	is	i c	  3373.2   	3-WF3   		
I-N	LN-S/U	TC-LANE CLOSURE URBAN STREET	1	EA	C		S	1 C	1	TC3	1.0	
I-N	  LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)					   S		l L			

DP001EM 09/05/1			1						GAS AND ELECTRIC REVIEW COPY - DETA	IL			PAGE N	10 261
				REV:0	TY				) BLX 7G2 -T&C JOB 1		STA	TUS: ACT	WORK ORDER: 29	60700
	01	NAME :	ROLAN	DO BLK 70	2 T&C	JOB 1			STATUS: ACT					
LOCATIC	N: 228		T: 02	DISTRICI			GNED BY	: GEORGE				999-9999	LOCATION 228	OF 587
WORK FUNC	FAC	DESC		EXIS	T TAG	ŇEW	TAG			CONSTRUCTION				
									SEE SHT 9,1	3				
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ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	2 -T&C	JOB	1				5	STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	ROLANDO	D BLK 7G2 T&C JOB 1	STATU						,					
			DISTRICT: CM DESIGN								PHOI	IE: 999-99	99 1	LOCATIC	N 229 OF 58
F-CIMU ID	AU ID	   stock#	DESCRIPTION/CO	NSTRUCTION NOTES	i	RQD	UM [	RSP	RSP	TRT	TRT	STANDARD PAGE	( TYPE	HOURS	
I-N	3'HD-A	[ [	HAND DIG TRENCH 3 H	T DEEP AVE	1	13	FT	C	I I	S	Ç	G7453	13-WF3	5.2	
I-NI	i		BACKFILL TRENCH 3 FO	DOT DEEP		13	1  FT] 	C		S	С		13-WF3  C-BC	0.2	
1-N	i	i i	SHADE TRENCH WITH SA SAND, FILL RECYCI				FT     TN     1 N	-	i c i		С	G7405	  3-WF3  C-BH  C-DT	[ [ ]	·····
I	1	249664[	1-3 IN DB CONDUIT SE CONDUIT DB 3 IN 20	C ) FT LENGTH	1				i i	1	¢	3373.1	  3-WF3 	0.2	
I÷-NI I	R-XCES	X300071	EXCESS TRENCH SPOIL DUMPING FEE	(12 IN DEEP)	1	13 2		С 	       C	S		1	C-DT	0.3  	
I-N	PLANTU		REMOVE/REPLACE LANDS	SCAPING	ļ			i c		s	С	Ì		1.3	
I-N		i	FINISH CONCRETE SURF	FACE MAN 12 IN		1	FT	l C	1	5	С	l	SR3CS	i t	
   -N   	1	   x20201	MACH DIG TRENCH 3 I TRAFFIC BEARING S ASPHALT, COLD MIX	TEEL PLATE		5 1	EA TN	Ì		S   	с	1	  C-BC  C-BH  3SWF4	0.2 0.2 0.5	
E	REM-3' 	X30007	TRENCH SPOIL 3 FT I DUMPING FEE	DEPTH	1	6	FT   CY	C 	   c	S   	С	1	[C-DT	0.5	
I-N  	SLR-18 	16564001	BACKFILL SLURRY 18 C SLURRY MIX, 1 SACH	IN WIDE X 12 IN DEEP K SAND	1	2	FT   CY			S	С	G7409 	3-WF3 	I I	
I-N1 	1EB3SL   	2496641 656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACI	) FT LENGTH		6 6 1	FT FT CY	i c   	   C   C	S   	С	3376.1   		0.1	
I-N  	1-3SL8   	321878   656400	1-3 IN DB 45 D 36 IN BEND CONDUIT DB 3 SLURRY MIX, 1 SACI	IN 45 D 36 IN R		1 1 1	EA EA CY	ic I	i c i c	S   		3373.2   	 	1 1	,
	LN-S/U	   	TC-LANE CLOSURE URBA	AN STREET		1	EA	ιc		S ]	C	1	I ITC3		
I-N	  LN/S/S	] ] ] ]	LANE CLOSURE URBAN :	ST (STREET REPAIR)	1			   C		   S		1 ]	I TC4		
work FAC FUNC CODE			EXIST TAG NEW 1	IAG		4		CONS	TRUC	FION	NOT	ES			

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DP001EM2-LOCAL40-001         SAN DIEGO GAS AN           09/05/17 11:36         DPSS - DESIGN REVIEW	
PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G	
	IS: ACT
OCATION: 230 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER	
WRK[     ] F-C[MU ID  AU ID  STOCK#] DESCRIPTION/CONSTRUCTION NOTES	] QTY    WRK MAT]TIM[ACC STANDARD  CREW   EST
I-N: [330926]   HAND HOLE 3309.2 37"X 26" X 26" !  162690  QUAZITE BOX 37"X26"26"	1 EA C    S C 3309.2  3SWF3  0.8    1 EA    C
!     I-N  ]X09H26    INSTALL EXCAVATION/REMOVE   ]  162690  QUAZITE BOX 37"X26"26"	
I-N         1-3SLB                1-3 IN DB 90 D 36 IN R BEND SLURRY ENC                         [322048]       BEND CONDUIT DB 3 IN 90 D 36 IN R	   3 EA  C     S   C   3373.2   3-WF3  0.2    3 EA    C
656400  SLURRY MIX, 1 SACK SAND         I-N   PLANTU!   REMOVE/REPLACE LANDSCAPING	1 CY    C                         1           1 FT  C     S   C     3-WF3  0.1
WORK FAC	
FUNC CODE DESC EXIST TAG NEW TAG	CONSTRUCTION NOTES
	SEE SHT 9

DP001EM2-LO 09/05/17 11	:36			DPSS - DE	IEGO GAS AND SIGN REVIEW	COPY - D	TAI	Ŀ.						P	AGE NO 264
PROJECT: 25	3568 JOB:(	D1 REV:0	TYPE: UD	NAME: ROL	ANDO BLK 7G2	-T&C JO	31				5	TATUS: AC	T WOR	K ORDE	R: 2960700
DESIGN: 01	NAME: ROL	lando blk 7g2 1	F&C JOB 1		STATU	S: ACT									
LOCATION: 2	31 SHEET: (	01 DISTRICT: Č	M DESIG									IE: 999-99			N 231 OF 58
WRK   F-C MU ID	  AU ID  STO	l CK#I DES	SCRIPTION/C			QTY	1	WRK	MAT   RSP	TIM  TRT	ACC   TRT	STANDARD	CREW    TYPE	EST   HOURS	
I-N	162	HAND HOLE 590  QUAZITE	3309.2 37	"X 26" X 2 6"26"		i :	IEA	i i		Ş   	C	3309.2	3SWF3  	0.8	
1 1	1  162	INSTALL E 690  QUAZITE	5 BOX 37"X2	26"26"			l   EA l   EA		   C	S [	C   I	3309.2	[	0.8	
1 1	[322	   1-3 IN DE 048  BEND CO 400  SLURRY	NDUIT DB 3	8 IN 90 D 3			B EA B EA L CY		C     C	S 1 1		3373.2	[   [ ]	0.2	<u>.</u>
	   Plantu	   REMOVE/RE	EPLACE LANI	SCAPING		1			[		1		  3-WF3		
WORK FAC FUNC CODE		EXIST 1	fag new	TAG		SEE SHT		CONSI	IRUCI	TION	NOTE	IS			
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OJECT: 25	3568 i		REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB									R: 2960700
SIGN: 01	NAME		D BLK 7G2 T&C JOB 1 STATUS	•• -									
CATION: 2	32 SHE	ET: 01 1	DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 I	OCATIO	N 232 OF 58
-C MU ID	AU ID		DESCRIPTION/CONSTRUCTION NOTES	RQD	UM	RSP	RSP	TRT	TRT		TYPE	HOURS	
-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE							G7453	3-WF3		
-N		i i 1 í	BACKFILL TRENCH 3 FOOT DEEP	17	] FT [ ] [	C		S	l C	 	3-WF3   C-BC	0.3  0.3	
-N   	SHD-12   	[  611492    [	SAND, FILL RECYCLED MATLS PREFFERED	( 17 ( 1	FT     TN	С	С	S   	C   	G7405   	3-WF3   C-BH    C-DT	0.1 0.1 0.1	
-N   [	1	i i	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17   17	FT     FT	CI	c	S	C 	3373.1 1	  3-WF3  	0.3	
-N	R-XCES	i i	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1 17 1 2	FT   CY	С	с	5	l C I		ic-dt i 1 I	0.4	
-N		i i	CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	С		S	I C	1		0.7	
-N	CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN	17	FT	С		S	i c	Ì	SR3CS	0.1	
-N   	i I	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5   4   1	FT     EA     TN		C C		C   	G7453   	C-BC  C-BH  3SWF4	0.21	
	REM-3 ' 		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5   2	FT   CY	с	с	   S 	i c I	1	IC-DT	0.4	
-N   	SLR-18 	[	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15   1	FT     CY	С	с		іс І	G7409 		] [	
-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5   5   1	FT     FT     CY	с	c	S   	i c   	3376.1   		0.1	
	LN-S/U		TC-LANE CLOSURE URBAN STREET	i 1	EA		ſ	   S	i c	İ	TC3	1.0	
	  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)					[ [ S		•	I ITC4	•	
ORK FAC UNC CODE			EXIST TAG NEW TAG			CONST	TRUC'	TION	NOT	ES			
			s	EE SHT 9									

ROJECT: 2			REV:0 TYPE: UD NAME: !		r&⊂ JOB	1				S	STATUS: AC	T WO	K ORDE	R: 2960700
			BLK 7G2 T&C JOB 1	STATUS:	ACT									
OCATION:	233 SHEI	ET: 01 I	DISTRICT: CM DESIGNED BY:	GEORGE BONNER						PHO	VE: 999-99	99 3	LOCATIO	N 233 OF 58
WRKI F-CIMU ID	AU ID	I STOCK#1	DESCRIPTION/CONSTRUC	TION NOTES	RQD	UM I	RSP	RSP	TRT	TRT	STANDARD PAGE	TYPE	HOURS	
	3'HD-A		HAND DIG TRENCH 3 FT DEEP		i 22	FT	ci	ĺ	s	c		3-WE3	8.4	
I-N  	BKF-3'	i	BACKFILL TRENCH 3 FOOT DEE	P	22 	FT	CI		S		1	3-WE3   C-BC		
 I-N    	1	611492	SHADE TRENCH WITH SAND - 1. SAND, FILL RECYCLED MAT.		22	FT [   TN   	C I I	с		1 C	G7405	(3-WF3 (C-BH (C-DT	0.1	
I-N		  249664	1-3 IN DB CÒNDUIT SEC CONDUIT DB 3 IN 20 FT LEI		22   22	FT   FT]	I	С	s	ΓÇ	3373.1	  3-WF3   	0.3  	
] [—]]	R-XCES	x30007	EXCESS TRENCH SPOIL (12 I DUMPING FEE	N DEEP)	i 22 i 2	FT     CY	С	с	s	C 	i	C-DT	0.6	
I-N	ICC-2CT		CONCRETE 2 SAW CUT AND BRE	AK MECH	22	FT	сi	I.		, c	l.		0.90	
t-n [ [		İ	FINISH CONCRETE SURFACE M	AN 12 IN			Ċ		S	i C	l	SR3CS	· ·	
I-N	BH03XH   	  X20201   114215	MACH DIG TRENCH 3 FT DEEP TRAFFIC BEARING STEEL PL ASPHALT, COLD MIX		6   1	EA   TN		C C	S	i C 1	G7453   	C-BC   C-BH   3SWF4	0.3	
IN  	REM-3'	x30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE		1 8 1 2	FT     CY	С	Ċ	S	   C 	1 1	IC-DT I	0.7	
I-N1	SLR-18		BACKFILL SLURRY 18 IN WIDE SLURRY MIX, 1 SACK SAND	X 12 IN DEEP	24   2	FT     CY	С	c.	S		G7409	•	i İ	
I-N    	[1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY E CONDUIT DE 3 IN 20 FT LE SLURRY MIX, 1 SACK SAND		8   8   1	FT FT CY	с		s		3376.1   		0.1	
1-N    	1-3SL8   	321878   656400	1-3 IN DB 45 D 36 IN R BEN BEND CONDUIT DB 3 IN 45 SLURRY MIX, 1 SACK SAND	DRETNE		EA CY	С	C   C	i ŝ I	i C I 1	3373.2   		i (	
 IN	  LN-S/U	   <b> </b>	TC-LANE CLOSURE URBAN STRE		i 1	EA	с	i	s	1   C	i	I TC3		
I I-NI	  LN/S/S		LANE CLOSURE URBAN ST (STR	EET REPAIR)						   C		I ITC4	1 1.0	<u></u>
IORK FA			exist tag new tag	********			CONS	IRUC:	rion	NOT	 Es			

**			O BLK 7G2 T&C JOB 1 STATU:										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99 1	LOCATIC	N 234 OF 5
-C MU II		STOCK#	DESCRIPTION/CONSTRUCTION NOTES	RQD	I UM	RSP	RSP	TRT	TRT		TYPE	HOURS	
-N		i i	ASPHALT 2 SAW CUT AND BREAK MECH		FT	ic	i i	S	с	I		0.7	
-N	AB-M18	  1114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	i 27 I 3	FT   TN	C 	l c	S	Ċ	l I	C-BC  SR4AL	0.71	
-N     	BH03XH   	  X20201;  114215]	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	40 30 1 1	EA  TN	і С .[ ]	C C	S	С	G7453   	C-BH  3SWF4	1.61 1.61 3.21	
[-N[ [ [	REM-3 '		TRENCH SPOIL 3 FT DEPTH DUMPING FEE	1 40 1 10	FT   CY	C 	l c	SI	С	i I	1  C-DT 	3.5	
-N	SIR-18	  656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	i 120 i 7	FT	i c	1	S (	С	IG7409 1	  3-wf3   	i i	
-N	1EB3IN       	248201   249664   663528  [663530	<ul> <li>1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY</li> <li>1 IN BASE SPACER</li> </ul>	4 <u>1</u>   1   41   7	FT   CY   FT   EA   EA	C     		S	C	3376.1       		0.6	
-N    	1-35L8 	321878   656400	1-3 IN DE 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND		EA   EA   CY	C   	· · · · ·	S	С	3373.2   	1		
-N	XING-U 	  114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	i 1 i 1	FT   TN	i c T	   C	S	с	I I	   TC4 		
	XING/S	• •	TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C	   	S	С	l		0.1	
-N		i i	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	I C		S	с				
N			TC-LANE CLOSURE URBAN STREET	1							I I TC3		
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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EI DPSS - DESIGN REVIEW CO		IL				P.	AGE NO 26
PROJECT: 253568 JOB:01 REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -1	[&C JOB 1						R: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS :							
	ED BY: GEORGE BONNER				PHONE: 999-			N 235 OF 5
WRK	NSTRUCTION NOTES	QTY     RQD  U	WRK M RSP	MAT TIM   RSP TRT	ACC   STANDAR	D  CREW  TYPE	EST    HOURS	
I I I I I I I I I I NO DESIGN UNITS FOR	THIS LOCATION	] 				, 1 1		
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ROJECT: 25	3568 3	JOB:01	SAN DIEGO G. DPSS - DESIGN R. REV:0 TYPE: UD NAME: ROLANDO B	LK 7G2 -T&C JOB	1				٤	STATUS: AC	T WOI	RK ORDE	R: 2960700
	NAME	ROLAND	) BLK 7G2 T&C JOB 1	STATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE B						PHO				N 236 OF 58
IBKI F-CIMU ID	  AU ID	[     STOCK#	DESCRIPTION/CONSTRUCTION NOTE	I QTY S I RQD		WRK	ידיבואו	I TTM	ACC	STANDARD	<b>LCREW</b>	EST 1	
-N	AS-2CT	I I	ASPHALT 2 SAW CUT AND BREAK MECH	236	FT	С		S	С		SR3AS	6.10	
E-N [	[AB-M24	  114201	ASPHALT BASE MECH 24 IN ASPHALT (BASE)	236	FT	С		S	С			6.4	
[-N]   	1	[    X20201   114215	MACH DIG TRENCH 4 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	236 236 3	FT EA TN	С		( S       	С	G7453	C-BC  C-BH  3SWF4	11.8    11.8    23.6	
I-N	REM-4'	1  X30007	TRENCH SPOIL 4 FT DEPTH DUMPING FEE	81	FT CY	с	   C	S   	С		  C-DT 	28.3	
[-N	i.	 [656400	BACKFILL SLURRY 24 IN WIDE X 12 IN SLURRY MIX, 1 SACK SAND	53	FT CY	С	c i	S	с	G7409	3-W£3 	2.1	
[ -N           		249664   663528   6635301	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	196   33   33	FT   CY   FT   EA   EA	C		S           		3376.1     	       	2.7       	
-N   	1-3SLB   	[322048] [656400]	1-3 IN DB 90 D 36 IN R BEND SLURRY BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	ENC   1   1   1	EA CY	i c I		1 S   1		(3373.2   	1	i 0.1) I I	
	1-3sLs   	322144   656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENC BEND CONDUIT DB 3 IN 22.5 D 25 FT SLURRY MIX, 1 SACK SAND	ASED   4 'R   4   1	EA CY	C 	   C   C	S	-	3373.2		0.7	
-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	i I	EA	l I C		S	с	1	TC3	1.0	
-N		i i	LANE CLOSURE URBAN ST (STREET REPAI		EA		 	S	c	•	   TC4	1.0	
I-NI	  XING/S	i i	TRAFFIC COND. (XING LANE) STREET RE		•	   C	   	S	с			0.1	
	i	[  114215[	TC-TRAFFIC CONDITIONS STREET CROSSI ASPHALT, COLD MIX	NGS   1   1	TN	і с І	С		с	 	  TC4 	0.1	
 I → Nĩ [	   PLANTU	] [   [	REMOVE/REPLACE LANDSCAPING	10					c		  3-WF3	•	

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DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND EL DPSS - DESIGN REVIEW COP	ECTRIC Y - DETAIL			PAGE NO 270
	NAME: ROLANDO BLK 7G2 -T	&C JOB 1	STA	TUS: ACT WORK	CORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1	STATUS: .				
LOCATION: 237 SHEET: 01 DISTRICT: CM DESIGN	NED BY: GEORGE BONNER		PHONE		CATION 237 OF 587
		QTY    WRK	( MAT TIM ACC ST  RSP TRT TRT	ANDARD   CREW	EST ]
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			REV:0 TYPE: UD NAME: RO								AC			R: 2960700
DESIGN: 01			0 BLK 7G2 T&C JOB 1	STĂTÚS:										
			DISTRICT: CM DESIGNED BY: G	EORGE BONNER							NE: 999-99			N 238 OF 58
WRK   F−C MU ĭI	 D  AU ID	[  STOCK#!	DESCRIPTION/CONSTRUCTI	ON NOTES	I QTY I RQD	  UM	WRK RSP	MAT    RSP	TIM  TRT	ACC TRT	STANDARD	CREW   TYPE	EST   HOURS	
I-N	3'HD-A	I I	HAND DIG TRENCH 3 FT DEEP	AVE	20	  ET  	С	1	S	С	G7453 	3-WF3	7.7	
I-N	BKF-3 '	i i I I	BACKFILL TRENCH 3 FOOT DEEP				с		S I	С	1	3-WF3   C+BC	0.3	
I-NI I	   SHD-12   	i i	SHADE TRENCH WİTH SAND - 12 SAND, FILL RECYCLED MATLS	INCH WIDTH PREFFERED		FT     FT     TN   [		   C   		С	G7405 	   3-WF3   C-BH   C-DT	0.1 0.1 0.1	
I-N		[249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENG	TH	20	FT   FT	-		- i	С	3373.1	1	0.3	
I-N	R-XCES		EXCESS TRENCH SPOIL (12 IN DUMPING FEE	DEEP)	20   2	CY	¢	C	S   	с		C-DT 	1 1	
I-N	   PLANTU 		REMOVE/REPLACE LANDSCAPING			]    FT	с		s	С	İ	3-WF3	2.0	·
I-N	  AS <b>-</b> 2CT		ASPHALT 2 SAW CUT AND BREAK	MECH	70	FT	с		S	с	İ	I I SR3AS	1.8	
I-N	i	114201[	ASPHALT BASE MECH 18 IN ASPHALT (BASE)		1 8	TN		i c i	S   l	-	l E	IC-BC ISR4AL	1.9    1.9	
11-N	3H0 3XH   	X20201   114215[	MACH DIG TRENCH 3 FT DEEP B TRAFFIC BEARING STEEL PLAT ASPHALT, COLD MIX		90 68	EA   TN	c		1	С	G7453 I I	  C-BC  C-BH  3SWF4	3.6    3.6    7.2[	
I-N	REM-3'		TRENCH SPOIL 3 FT DEPTH DUMPING FEE		90   23	FT     CY     CY	С			с	ĺ	IC-DT	7.91	
I-N  	SLR-18 	i i	BACKFILL SLURRY 18 IN WIDE X SLURRY MIX, 1 SACK SAND	12 IN DEEP	270   16		С	ici	Í			  3-WF3   	1	
I-N	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLURRY ENC CONDUIT DB 3 IN 20 FT LENG SLURRY MIX, 1 SACK SAND	ASED TH	270   270   б	FT FT CY	С		1	С	3376.1   	3-WF3   		
I-N	1-3SLB   	322048   656400	1-3 IN DE 90 D 36 IN R BEND BEND CONDUIT DE 3 IN 90 D SLURRY MIX, 1 SACK SAND		2   2   1	EA   CY	с	C     C	İ	с	3373.2   	l		
I-N	  LŅ-S/Ū		TC-LANE CLOSURE URBAN STREET			] [] ] EA [ 1	с		S	С	İ	   TC3		
I-N	  LN/S/S		LANE CLOSURE URBAN ST (STREE	T REPAIR)		]EA  	с		S	с	İ	   TC4		
I-N	SAW-CC	i i	SAW CUT CONCRETE		10	FT	С		S	С	İ	   SR-3C	1.5	
I-N]		i i	CONCRETE SIDEWALK SECTION (5 CONCRETE - 6 SACK (3/4" RO		i 1	IEA ICYI	С	       C	s i		İ	   SR3CS 	1.0	

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PROJECT: 253	568 JO	B:01	REV:0	TYP				BLK 7G2 -T&C JOB 1		STA		WORK ORDER: 296	50700
DESIGN: 01	NAME :	ROLAN		T&C	JOB 1			STATUS: ACT					
LOCATION: 23	8 SHEET	: 02		СМ	DÉSI	GNED BY	GEORGE	BONNER				LOCATION 238	OF 587
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			REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	2 -T&C JOB	1				3	STATUS: AG	CT WO	RK ORDE	R: 2960700
SIGN: 01	NAME	: ROLAND	O BLK 7G2 T&C JOB 1		JS: ACT									
CATION: 2	39 SHE	ET: 01	DISTRICT: CM DESIG	GNED BY: GEORGE BONNER							NE: 999-99		LOCATIC	N 239 OF 587
NRK]	l IAU ID	  STOCK#	DESCRIPTION/	CONSTRUCTION NOTES	QTY   RQD	[ UM	RSP	RSP	TIM	ACC TRT	STANDARD   PAGE	CREW  TYPE	HOURS	
I-N	13'HD-A	i i	HAND DIG TRENCH 3	FT DEEP AVE	23	[ FT	i c i	· ·	S	, c	G7453	3-WF3	8.8	
I	BKE-3'		BACKFILL TRENCH 3 1	FOOT DEEP	23	FT	С		S	C	1	3-WF3  C-BC	0.3    0.3	
I-N	1	  611492  	SAND, FILL RECY	SAND - 12 INCH WIDTH CLED MATLS PREFFERED	23	TN	C	c	s	C   	G7405 	  3-WF3  C-BH  C-DT	0.10 0.10 0.10	
T-N	]  1DB3-S 	i i	1-3 IN DB CONDUIT : CONDUIT DB 3 IN :	SEC 20 FT LENGTH	60   60	FT     FT			S	C 	3373.1 	i	0.9  	
	1DB3SB 	[ [	1-3 IN DB 90 D 36 BEND CONDUIT DB 3	IN R BEND SEC	1	EA   EA	C	       C	S	C	3373.2	1	1 1	
I-N	R-XCES	i j	EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)	23	FT     CY	C	C     C	S	¢	 	   C-DT   	1 0.6[	
I-N	  AS-2CT 	i i		AND BREAK MECH	20	FT	C	     	S	C	I		0.51	
I-N	AB-M18	i İ	ASPHALT BASE MECI ASPHALT (BASE)		20	FT	C	i i	S	c	 	C-BC	0.5    0.5	
WORK FAC FUNC CODE			EXIST TAG NEW	TAG	SEE SHT 8	-	CONST	TRUCI	TION	NOTI				
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Incolor: 20000       DESIGN: 01       NAME: ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT         DESIGN: 01       NAME: ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT         LOCATION: 240       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE:         IVERK       I       ISTATUS: ACT       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       PHONE:         IVERK       I       ISTATUS: ACT       IVERK       IVERK       IVERK       IVERK       IVERK       PHONE:         IVERK       I       ISTATUS: ACT       IVERK       IVERK       IVERK       IVERK       IVERK       PHONE:         IVERK       I       ISTOCK#!       DESCRIPTION/CONSTRUCTION NOTES       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK       IVERK <t< th=""><th>PAGE  TYPE  HOURS  37453  3-WF3  11.3   3-WF3  0.5   C-BC   0.5    37405  3-WF3  0.1]  C-BH   0.1]  C-DT   0.1 </th></t<>	PAGE  TYPE  HOURS  37453  3-WF3  11.3   3-WF3  0.5   C-BC   0.5    37405  3-WF3  0.1]  C-BH   0.1]  C-DT   0.1	
ALTICHT OF ANDRES DATA TO FIGURE OF T         ACCATION: 240 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER       PHONE:         WRKI       I       I       I       Image: Comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the	STANDARD [CREW   EST i         PAGE   TYPE   HOURS          37453   3-WF3   11.3                         3-WF3   0.5             C-BC   0.5             3-WF3   0.1	
WRKI       I       I       DESCRIPTION/CONSTRUCTION NOTES       I QTY       I WRK MAT TIM ACC ST         I-NI       I3'HD-AI       HAND DIG TRENCH 3 FT DEEP AVE       30 FT C I       S C G         I-NI       ISHD-12       BACKFILL TRENCH 3 FOOT DEEP       30 FT C I       S C G         I-NI       ISHD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       30 FT C I       S C G         I-NI       ISHD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       30 FT C I       S C G         I-NI       ISHD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       30 FT C I       S C G         I-NI       IBB3-51       I-3 IN DE CONDUIT SEC       I G8 FT C I       S C G I         I-NI       1DB3-51       I-3 IN DE 90 D 36 IN R BEND SEC       I IEAI C I       S C I         I-NI       IDB3SE       I-3 IN DE 90 D 36 IN R BEND SEC       I IEAI C I       S C I         I-NI       IDB3SE       I-3 IN DE 90 D 36 IN R BEND SEC       I IEAI C I       S C I         I-NI       IDB3SE       I-3 IN DE 90 D 36 IN R BEND SEC       I IEAI C I       S C I         I-NI       IDB3SE       I-3 IN DE 90 D 36 IN R BEND SEC       I IEAI C I       S C I         I-NI       IDB3SE       I-3 IN DE 90 D 36 IN R       IEAI C I       S C I <td>STANDARD [CREW   EST i         PAGE   TYPE   HOURS          37453   3-WF3   11.3                         3-WF3   0.5             C-BC   0.5             3-WF3   0.1                                                                                                                                                                                                                                                                                                                                        </td>	STANDARD [CREW   EST i         PAGE   TYPE   HOURS          37453   3-WF3   11.3                         3-WF3   0.5             C-BC   0.5             3-WF3   0.1	
F-CIMU ID       AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD       UMIRSPIRSPITETITET         I-N       [3'HD-A]       HAND DIG TRENCH 3 FT DEEP AVE       [30]FT] C [ [ 5 ] C ]       [5]C         I-N       [BKF-3']       BACKFILL TRENCH 3 FOOT DEEP       [30]FT] C [ [ 5 ] C ]         I-N       [BKF-3']       BACKFILL TRENCH 3 FOOT DEEP       [30]FT] C [ [ 5 ] C ]         I-N       [SHD-12]       SHADE TRENCH WITH SAND - 12 INCH WIDTH       [30]FT] C [ [ 5 ] C ]         I-N       [SHD-12]       SHADE TRENCH WITH SAND - 12 INCH WIDTH       [30]FT] C [ [ 5 ] C ]         I-N       [SHD-12]       SHADE TRENCH WITH SAND - 12 INCH WIDTH       [30]FT] C [ [ 5 ] C ]         I-N       [SHD-12]       SHADE TRENCH WITH SAND - 12 INCH WIDTH       [30]FT] C [ [ 5 ] C ]         I-N       [1DB3-5]       [ 1-3 IN DE CONDUIT SEC       [ 68]FT] C [ [ 5 ] C ]         I-N       [1DB3SE]       [ 1-3 IN DE 90 D 36 IN R BEND SEC       [ 1EA] C ] [ [ 1 ]         I-N       [ 1DB3SE]       [ 1-3 IN DE 90 D 36 IN R BEND SEC       [ 1EA] C ] [ [ 1 ]         I-N       [ 1DB3SE]       [ 1-3 IN DE 90 D 36 IN R BEND SEC       [ 1EA] [ C ] [ ] [ ]         I-N       [ 1DB3SE]       [ 1-3 IN DE 90 D 36 IN R BEND SEC       [ 1EA] [ C ] [ ] [ ] ]         I-N       [ 1PAXT0]	PAGE  TYPE  HOURS  37453  3-WF3  11.3   3-WF3  0.5   C-BC   0.5    37405  3-WF3  0.1]  C-BH   0.1]  C-DT   0.1	
I-N         3'HD-A        HAND DIG TRENCH 3 FT DEEP AVE       30 F1 C         S   C           I-N         BKF-3'        BACKFILL TRENCH 3 FOOT DEEP       30 F1 C         S   C           I-N         BKF-3'        BACKFILL TRENCH 3 FOOT DEEP       30 F1 C         S   C           I-N         SHD-12        SHADE TRENCH WITH SAND - 12 INCH WIDTH       30 F1 C         S   C           I-N         SHD-3S        1-3 IN DE CONDUIT SEC       2 TN        C         I         I-N         1DB3SE        1-3 IN DE CONDUIT SEC       68 F1 C         S   C         I         I-N         1DB3SE        1-3 IN DE 90 D 36 IN R BEND SEC       1 EA        C         I         I-N         1DB3SE        1-3 IN DE 90 D 36 IN R BEND SEC       1 EA        C         I         I-N         1DB3SE        1-3 IN DE 90 D 36 IN R BEND SEC       1 EA        C         I         I-N         1DB3SE        1-3 IN DE 90 D 16 IN R BEND SEC       1 EA        C         I         I-N         1DB3SE        1-3 IN DE 90 D 16 IN R BEND SEC       1 EA        C         I         I-N         R-XCES         EXCESS TRENCH SPOIL (12 IN DEEP)       30 FT  C         S   C         I         I-N         R-XCES         EXCOV/	37453        3-WF3        11.3           3-WF3        0.5           C-BC        0.5	
I-N       BKF-3'1       BACKFILL TRENCH 3 FOOT DEEP       30 FT C I S C I         I-N       SHD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       30 FT C I S C C G         I-NI       611492       SAND, FILL RECYCLED MATLS PREFFERED       30 FT C I S C G         I-NI       1DB3-SI       1-3 IN DB CONDUIT SEC       68 FT C I S C G         I-NI       1DB3SB       1-3 IN DB 90 D 36 IN R BEND SEC       1EA         I-NI       1DB3SB       1-3 IN DB 90 D 36 IN R BEND SEC       1EA         I-NI       1DB3SB       1-3 IN DB 90 D 36 IN R BEND SEC       1EA         I-NI       1DB3SB       1-3 IN DB 90 D 36 IN R BEND SEC       1EA         I-NI       1AX0007       DUMPING FEE       30 FT C I S I C         I-NI       PLANTU       REMOVE/REPLACE LANDSCAPING       30 FT C I S I C I         I-NI       PLANTU       REMOVE/REPLACE LANDSCAPING       30 FT C I S I C I         I-NI       ASPHALT 2 SAW CUT AND BREAK MECH       16 FT C I S I C I	3-WF3        0.5           C-BC        0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <	
I-N        (SHD-12)       SHADE TRENCH WITH SAND - 12 INCH WIDTH       301FT C   S   C   G                 (611492)       SAND, FILL RECYCLED MATLS PREFFERED       21TN        C   S   C   G                         1       1       1       1	C-BH   0.1   C-DT   0.1	
I-N       1DB3-S       1-3 IN DE CONDUIT SEC       68 FT (C   S   C   3)           (249664)       CONDUIT DE 3 IN 20 FT LENGTH       68 FT (C   S   C   3)         I-N       1DB3SE       1-3 IN DE 90 D 36 IN R BEND SEC       1 [EA] C   I   I         I-N       1DB3SE       1-3 IN DE 90 D 36 IN R BEND SEC       1 [EA] C   I   I         I-N       1DB3SE       1-3 IN DE 90 D 36 IN R BEND SEC       1 [EA] C   I   I         I-N       1322048       BEND CONDUIT DE 3 IN 90 D 36 IN R       1 [EA] C   I   I         I-N       18-XCES       EXCESS TRENCH SPOIL (12 IN DEEP)       30 [FT] C   S   C   I         I-N       18-X0007       DUMPING FEE       310 [FT] C   S   C   I         I-N       19-ANTU   REMOVE/REPLACE LANDSCAPING       30 [FT] C   S   C   I         I-N       AS-2CT   ASPHALT 2 SAW CUT AND BREAK MECH       16 [FT] C   S   C   I		
I-N       11DB3SB       1-3 IN DB 90 D 36 IN R BEND SEC       1 EA C I S C 33         I 322048       BEND CONDUIT DE 3 IN 90 D 36 IN R       1 EA C I S C I S         I N       I 322048       BEND CONDUIT DE 3 IN 90 D 36 IN R       1 EA C I S C I S         I N       I R-XCES       I EXCESS TRENCH SPOIL (12 IN DEEP)       30IFT C I S C I S         I N       I R-XCES       I EXCESS TRENCH SPOIL (12 IN DEEP)       30IFT C I S C I S         I N       I REMOVE/REPLACE LANDSCAPING       30IFT C I S C I S         I N       I PLANTU I REMOVE/REPLACE LANDSCAPING       30IFT C I S C I S         I -N       AS-2CT I ASPHALT 2 SAW CUT AND BREAK MECH       16IFT C I S C I	3373.1  3-WF3  1.0	
I-N         R-XCES          EXCESS TRENCH SPOIL (12 IN DEEP)         30 FT  C     S   C                    X30007        DUMPING FEE         30 FT  C     S   C                    X30007        DUMPING FEE         30 FT  C     S   C                                     1                                                   1                                                   1	3373.2  3-WF3	
I-N   PLANTU    REMOVE/REPLACE LANDSCAPING   30 FT  C     S   C   I-N    AS-2CT    ASPHALT 2 SAW CUT AND BREAK MECH   16 FT  C     S   C   I - N    AS-2CT    ASPHALT 2 SAW CUT AND BREAK MECH   16 FT  C     S   C	C-DT   0.81	
I-N AS-2CT ASPHALT 2 SAW CUT AND BREAK MECH 16 FT C   S   C	3-WF3  3.0]	
	SR3AS  0.4	
I-N]  AB-M18    ASPHALT BASE MECH 18 IN   16 FT  C [ 5   C        114201  ASPHALT (BASE)   2 TN    C            114201  ASPHALT (BASE)   2 TN    C	C-BC   0.4   SR4AL  0.4	
I-N   LN-S/U   TC-LANE CLOSURE URBAN STREET   1 EA C     S   C	TC3   1.0	
I-NI ILN/S/SI I LANE CLOSURE URBAN ST (STREET REPAIR) I 1/EA C   S C C	TC4   1.0	
WORK FAC FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES SEE SHT 8	5	
	<u> </u>	
DP001EM2-LOCAL40-001 09/05/17 11:36	SAN DIEGO GAS AND I DPSS - DESIGN REVIEW CO	COPY - DETAIL
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PROJECT: 253568 JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	
DESIGN: 01 NAME: ROLANI	DO BLK 7G2 T&C JOB 1 STATUS	
LOCATION: 241 SHEET: 01	DISTRICT: CM DESIGNED BY: GEORGE BONNER	PHONE: 999-9999 LOCATION 241 OF 587
WRK] ]    F-C MU ID  AU ID  STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY    WRK MAT TIM ACC STANDARD  CREW   EST     RQD  UM RSP RSP TT TTT  PAGE  TYPE  HOURS
I-N   3421-1	PAD 3421 1-PHASE TRANSFORMER PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1   EA   C     S   C   3421.1   3-AF4   0.4     1   EA     C
		1 EA C  S C  3SWF3 0.4
I-N] {TG-T-W  ] ] ]  812816	TRENCH GRD WIRE W/O RODS (TRANS/CAP) WIRE BARE COPPER #2-7 STR SOFT DRAWN	1 EA C   S C 4510.1  3SWF3  0.2    8 LB   C    1     1
I-N   1-3SLB	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	
WORK FAC	EXIST TAG NEW TAG	CONSTRUCTION NOTES
I PD PAD	D218231 St	SEE SHT 8

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			I REV:0 TYPE: UD M	TAME. BOTANDO RIV 702	SOL DATE	1				ç	STATUS: AC	т мот	K ORDE	R: 2960700
STGN: 01	NAME	ROLANT	O BLK 7G2 T&C JOB 1	STATU	S: ACT									
				D BY: GEORGE BONNER										N 242 OF 5
NRK  F-C MU ID	AU ID	STOCK#1	DESCRIPTION/COM	ISTRUCTION NOTES	QTY   RQD	UM	WRK RSP	MAT   RSP	TIM) TRT	ACC TRT	STANDARD   PAGE	CREW	EST   HOURS	
I-N	AS-2CT	1	ASPHALT 2 SAW CUT AN		i 37	FT	c	I 1		С	I	SR3AS	1.0	
[ [-N]	i	  114201	ASPHALT BASE MECH ASPHALT (BASE)	24 IN	37   2	FT   TN	С		SI	C	[		1.0	
1 [-N]   	BH04XH   	x20201 114215	MACH DIG TRENCH 4 F. TRAFFIC BEARING STH ASPHALT, COLD MIX		42   42   1	FT EA TN	C   	   C	S   	С	G7453   	C-BC  C-BH  3SWF4	2.1 2.1 4.2	
I-N  [	REM-4 '	X30007	TRENCH SPOIL 4 FT DA DUMPING FEE	SPTH	42 15		i c	i i	S [	С	i I		5.0	
[-N]	SLR-24 	656400	BACKFILL SLURRY 24 II SLURRY MIX, 1 SACK		i 126 i 10	FT	i c I	   C	S	С	G7409		0.4	
I-N       	1EB3IN         	248201 249664 663528 663530	1-3 IN EB CONDUIT CON CONCRETE - 2 SACK CONDUIT DB 3 IN 20 SPACER INTERMEDIATI 1 IN BASE SPACER	(GRAVEL MIX) FT LENGTH	42   1   42   8   8	FT   CY   FT   EA   EA	C     		S           	С	3376.1       		1 0.6    	
I I I	1-3SLB	   322048   656400	1-3 IN DB 90 D 36 IN BEND CONDUIT DB 3	IN 90 D 36 IN R	2   2   1		( C ( 1	   C   C	\$       	С	3373.2 	(3-WF3 ! !	) 0.1   	
E-N	   LN-S/U		TC-LANE CLOSURE URBAI	N STREET	1		) C	I		-		TC3		
[-N	  LN/S/S	i	LANE CLOSURE URBAN S	I (STREET REPAIR)	1 1		C		្រះ		i	TC4	1.0	
[ I-N	  XING/S	l	TRAFFIC COND. (XING	LANE) STREET REPAIR	, 1 1	4	, c			С	Ì	TC4	0.1	. <u> </u>
		i	TC-TRAFFIC CONDITION ASPHALT, COLD MIX	S STREET CROSSINGS	i 1   1		i c I	i –	S   	С	1	[TC4	1	
1 I-N	PLANTU		REMOVE/REPLACE LANDS	CAPING							 	•	•	
NORK FA FUNC COD			EXIST TAG NEW T.	 -			CONS	TRÜC	TION	NOT	ES			
					SEE SHT 8									

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			REV:0 TYPE: UD				1				9	STATUS: AC	T WOF	K ORDE	R: 2960700
ESIGN: (	01 NAME	: ROLANI	DO BLK 7G2 T&C JOB 1		STATUS: A	СТ									
			DISTRICT: CM DES:								PHON	VE: 999-99	99 I	OCATIC	N 243 OF 5
WRKI F-CIMU	ID IAU ID	  stock#	DESCRIPTION	CONSTRUCTION NC	TES	QTY RQD	  UM	WRK RSP	MAT     RSP	TIM( TRT[	ACC I	STANDARD PAGE	CREW    TYPE	EST ( HOURS (	
I-N]	ICC-2CT	I	CONCRETE 2 SAW CU	r and break mec	E 1	75	FT	Ċ	1	S I	сı		SR3AS [	3.01	
I-N	] ]CF-H18	1	FINISH CONCRETE SU	JRFACE MAN 18									SR3CS	0.3	
I-N    		  X20201   114215	MACH DIG TRENCH TRAFFIC BEARING ASPHALT, COLD M	STEEL PLATE	E	57 1	FT EA TN	с	i i	S J	c i	G7453	C-BC    C-BH    3SWF4	3.0  3.0  6.01	
[-N	REM-3'	1X30007	TRENCH SPOIL 3 F DUMPING FEE	I DEPTH	   	75 19	CY	C		S	Í		C-DT ]	6.6  	
E-N	SLR-18 	1656400	BACKFILL SLURRY 1: SLURRY MIX, 1 SZ		N DEEP	225 13	CY	С				G7409	  3-WF3  	0.5	
[-N  [	1EB3SL   	249664	1-3 IN EB CONDUIT CONDUIT DB 3 IN SLURRY MIX, 1 SI	20 FT LENGTH		75 75 2	FT   CY	С			ci	3376.1			
E-N  [ [	1-3SLB 	322048	1-3 IN DE 90 D 36 BEND CONDUIT DE SLURRY MIX, 1 S	3 IN 90 D 36 IN		1 1 1	EA CY	С		S	С	3373.2	3-WF3    	i i	
I-N 1			TC-LANE CLOSURE U	RBAN STREET			EA	с	1 1	s	с		TC3		
[-N]	i  LN/S/S	i -	LANE CLOSURE URBAI	N ST (STREET REE	AIR)			с	1 1	s			TC4	1.0	
[-N[	[ [3'HD-A	.i :	HAND DIG TRENCH	3 FT DEEP AVE			   FT	c				G7453	  3-WF3	4.1	
E-N [	   BKF-3 ' 	i i	BACKFILL TRENCH 3	FOOT DEEP	1		FT		-	SI	С		  3-WF3   C-BC   	0.2	
[-N  [		611492  	SHADE TRENCH WITH SAND, FILL RECT			1	FT   TN	с				G7405	3-WF3   C-BH    C-DT	   	
E-NI I	1DB3-S	249664	1-3 IN DB CONDUIT CONDUIT DB 3 IN		] ] 1	10	FT   FT	с	i c i		, i	3373.1	  3-WF3    	0.2	
[ [] [	R-XCÉS	X30007	EXCESS TRENCH SPO DUMPING FEE	IL (12 IN DEEP)	1 1 1	10 1	CY	¢		S	c		C-DT   	0.31	
l I N [	i   plantu		   REMOVE/REPLACE LAI	NDSCAPING	1	. 10				S			  3-WF3	•	

#### CONSTRUCTION NOTES

OJECT:	253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2	-T&C JOB	1					STATUS: AC	T WOR	K ORDE	R: 2960700
SIGN: 0	1 NAME	: ROLAND	O BLK 7G2 T&C JOB 1 STATUS	: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO:	NE: 999-99	'99 I	OCATIC	N 244 OF 58
RKI CIMU I	l D IAU ID	ISTOCK#1	DESCRIPTION/CONSTRUCTION NOTES	I ROD	UM	RSP	RSP	TRT	TRT	STANDARD   PAGE	CREW    TYPE [	EST   HOURS	
-N [	1CC-2CT	++ 	CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C	+ 	S	( C	;	\$R3AS [	0.7]	
-N [	1CE-H18	I I	FINISH CONCRETE SURFACE MAN 18 IN	1 1/	155		ļ.	1 2	EC	l .		0.1	
-N    	Ì	   X20201    114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	17   13   1	EA  TN	C   		S   	1 C 1 1	1G7453	[C-BC   [C-BH ] [3SWF4]	0.7  0.7  1.4	
-N]	REM-3 '	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	17	  FT  CY	i c		[ [ 5 ]	i c I	i I	  C=DT   	1.5	
-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	3	FT CY			İ.	i c l	G7409 	3-WF3	0.1	
N     	1EB3SL   	249664   656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	17   17   1	FT   FT   CY	іс   	i i c	S 	i c l	3376.1   	3-WF3	0.2	
-N    	1-3SLB   	322048   656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	i 1   1   1	EA  CY	ic I	i c	S   	C 	13373.2 1 1	[3-WF3]	0.1	
-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	j 1		   C 	-	l S		İ.		1.0	
-N		1 1	LANE CLOSURE URBAN ST (STREET REPAIR)	i 1	EA	l C	i i	S	i c	İ	1TC4	1.0	
-N	  3'HD <del>-</del> A	i i	HAND DIG TRENCH 3 FT DEEP AVE	5	FT	i c	1		Ċ	G7453		2.3	
-N  [	Ì	i i	BACKFILL TRENCH 3 FOOT DEEP	5		i c		S	<b>c</b>	i I	3-WF3   C-BC	0.1 0.1	
-N[   	1		SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED		FT   TN		   C 	i I	[ C   	(G7405 I	3-WF3   C-BH  C-DT		
  -N  	1	12196611	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	-	FT   FT	1		i S	i c I	3373.1 	1	0.1	
-N1	  R-XCES 	    X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	1	CY	C		i s I	i –	1	1  C-DT   	0.1	
  -N	i i plantu	1 1	REMOVE/REPLACE LANDSCAPING		FT	C	1 1	] 5	Ċ		3-WF3	0.5	

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				NAME: ROLANDO BLK 7G2								T WOR	RK ORDEI	a: 2960700
ESIGN: 0	1 NAME:	ROLANE	O BLK 7G2 T&C JOB 1		S: ACT									
		T: 01	DISTRICT: CM DESI	IGNED BY: GEORGE BONNER								99 1	LOCATIO	1 245 ÓF 58
F-CIMU II	 D  AU ID	 	DESCRIPTION/	CONSTRUCTION NOTES	QTY   RQD	  UM	WRK  RSP	RSP	] TIM ] TRT	TRT	STANDARD	TYPE	HOURS	
I-N] ]	3313TC  ]	ا   400302	HANDHOLE 3313 WITH 3313 TRAFFIC COV	H TRAFFIC COVER JER HANDHOLE COMPLETE	j 10 j 10	) EA ) EA	1 C	1   C	S I	I C I	3313 	BOOMT   3-AF4	30.0    5.0	
I-N	¦X13H <b>-</b> A		EXCAVATE 3313 HANI		1	 . ( EA	   C	1	   S	   C	  3313.2	  3swf3	0.4	
1-N		i	CONCRETE 1 SAW CUT	2	1	[FT	c	i –	S	I C	1	SR3AS		
I-N  	1 1	i	CONCRETE - 6 SAC	E (IN PKY OR NEW CONST) CK (3/4" ROCK MIX)		ICY	i c I	   C	S 	i c I	1	BOOMT	<b>1.</b> 5    4.0	
I-N   	1-3SLB  	   322048  656400	1-3 IN DB 90 D 36	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R ACK SAND		BIEA BIEA ICY	C   	   C   C	 	i ċ    .	3373.2 1	3	I   I	
I-N	[  LN-S/U]	i	TC-LANE CLOSURE UF	RBAN STREET	1	EA	i c	i –	   S	I C	i	TC3		
I-N	LN/S/S	İ		N ST (STREET REPAIR)	1 3		i c	i –	   \$				.   <b>1.</b> 0	
	AC													
FUNC CO	DE DESC		EXIST TAG NEW				CONS	TRUC	TION	NOT	ES			
FUNC CO	DE DESC		EXIST TAG NEV		SEE SHT 8		CONS'	TRUC		NOT				
FUNC CO	DE DESC		EXIST TAG NEW		SEE SHT 8						ES			
FUNC CO:	DE DESC		EXIST TAG NEW		SEE SHT &		CONS'			NOT	LS 			
FUNC CO:	DE DESC		EXIST TAG NEW		SEE SHT &		CONS'				LS 			
FUNC CO:	DE DESC		EXIST TAG NEV		SEE SHT &		CONS'			NOT				
FUNC CO:	DE DESC		EXIST TAG NEV		SEE SHT 8		CONS'			NOT				
	DE DESC		EXIST TAG NEW		SEE SHT &		CONS'			NOT				
FUNC CO:			EXIST TAG NEW		SEE SHT &									
FUNC CO	DE DESC		EXIST TAG NEV		SEE SHT &									
	DE DESC		EXIST TAG NEV		SEE SHT &		CONS				LS			

ROJECT: 25	3568	JOB:01	REV:0 TYPE:	UD NAME: ROLANI	DO BLK 7G2 -T8	C JOB	1				5	TATUS: AC	T WOE	RK ORDE	R: 2960700
ESIGN: 01	NAME	: ROLANE	0 BLK 7G2 T&C JC	B 1	STATUS: A										
OCATION: 2	46 SHE	ET: 01	DISTRICT: CM	DESIGNED BY: GEOR	SE BONNER						PHON	IE: 999-99	99 1	LOCATIO	N 246 OF 58
WRK  F-C MU ID	]  AU ID	  stock#	DESCRIPI	ION/CONSTRUCTION	NOTES	QTY RQD	  UM	WRK RSP	MAT RSP	TIM: TRT:	ACC   TRT	STANDARD PAGE	CREW	EST   HOURS	
I-N]	1EB3SL   	  249664   656400	1-3 IN EB CONI	UIT SLURRY ENCASE IN 20 FT LENGTH 1 SACK SAND	ו	12 12 1	FT     FT	С		S	CI	3376.1	13-WF3	0.2	
	1-3SLB   	322048   656400		) 36 IN R BEND SLU DB 3 IN 90 D 36 1 1 SACK SAND		1 1 1	EA EA	с	C C	\$ I	¢i		3-WF3   	i i	
,	iln-s/u		TC-LANE CLOSUP	RE URBAN STREET		•	• •					:			
I-NI	  LN/S/S	I I	LANE CLOSURE U	IRBAN ST (STREET R	EPAIR)	1	EAL	¢	 	S			l [TC4		
I-N	  3'HD-A	• •	HAND DIG TRENO	CH 3 FT DEEP AVE		6	FT [	с	 			G7453			
I-N  	  BKF-3' 		BACKFILL TRENG	:H 3 FOOT DEEP	:	-	FT     1	-		S	i		  3-WF3  C-BC 	0.1	
				NITH SAND - 12 INC RECYCLED MATLS PR		1	FT     TN	_		S	С	G7405	3-WF3  C-BH  C-DT		
1	1	249664	1-3 IN DB CONI CONDUIT DB 3	DUIT SEC 3 IN 20 FT LENGTH			FT     FT     FT			S		3373.1	  3-WF3   	0.1	
I-N	R-XCES	X30007	EXCESS TRENCH DUMPING FEE	SPOIL (12 IN DEE	P)		FT   CY	С	i j c	S	С		TG-D1	0.2	
I-NI	PLANTU	• •	REMOVE/REPLACE	LANDSCAPING		1	FT			S	С	1	13-WF3	0.1	
	  CC-2CT	i i	CONCRETE 2 SAM	CUT AND BREAK M	ECH		FT	-	•	S	Ċ		SR3AS	i i	
	  CF-H12		FINISH CONCRET	TE SURFACE MAN 1	2 IN		  FT			s	.c		I SR3CS		
WORK FAC FUNC CODE			EXIST TAG	NEW TAG	<b></b>			ONS	TRUC'	TION	NOT	ES			

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			REV:0 TYPE: UD N		LK 7G2 -T8		1						T WOI	RK ORDE	R: 2960700
			0 BLK 7G2 T&C JOB 1		STATUS: A	ACT									
ION: 2	47 ŞHE	ET: 01	DISTRICT: CM DESIGNE	D BY: GEORGE BO	ONNER							TE: 999-99			N 247 OF 5
MU ID	l [AU ID	  STOCK#	DESCRIPTION/CON	STRUCTION NOTES	5	QTY RQD	UM	WRK RSP	MAT	TIM TRT	ACC   TRT	STANDARD PAGE	CREW	EST   HOURS	
	ICC-2CT		CONCRETE 2 SAW CUT AN	D BREAK MECH		35	FT	C I	1	S I	CI		SR3AS	1.4	
		i i	FINISH CONCRETE SURFA	ACE MAN 18 IN	I			i c		ទ	С		i SR3CS	0.1	
	[AB-M18	i i	ASPHALT BASE MECH ASPHALT (BASE)	18 IN	1		FT TN	C 	   C	SI	C		C-BC  SR4AL	0.9  0.9  0.9	
	AS-2CT	i i	ASPHALT 2 SAW CUT AN	ND BREAK MECH			 [FT  	c	י ד ן ו		С			0.9	
	1 BHO3XH 1 1	  X20201   114215	MACH DIG TRENCH 3 FI TRAFFIC BEARING STE ASPHALT, COLD MIX			70   53   1	FT EA TN	i c I		S		G7453	C-BC  C-BH  3SWF4	2.8 2.8 5.6	
	REM-3 ' ]		TRENCH SPOIL 3 FT DE DUMPING FEE	SPTH		, 70 1,8	I FT CY	i c	     C		C		  C-DT 	6.2	
	SLR-18	í í	BACKFILL SLURRY 18 IN SLURRY MIX, 1 SACK			210 12	FT		l C				3-WF3   		
	1EB3SL   	  249664   656400	1-3 IN EB CONDUIT SLU CONDUIT DB 3 IN 20 SLURRY MIX, 1 SACK	FT LENGTH		87   87   2	FT FT CY	i ¢ I	i c i c			3376.1	3-WF3   	1.2	
	1-3SLB 	[322048]	1-3 IN DB 90 D 36 IN BEND CONDUIT DB 3 I SLURRY MIX, 1 SACK	IN 90 D 36 IN R		2   2   1	EA CY	C   		S	c	3373.2	1		
	LN-S/U	1 1	TC-LANE CLOSURE URBAN			1		i c		S			TC3	1.0	
	l  LN/S/S	i i	LANE CLOSURE URBAN ST	r (street repair	R)	· .	,	i c	i		C 1		TC4	1.0	
	1	  114215	TC-TRAFFIC CONDITIONS ASPHALT, COLD MIX	S STREET CROSSI	NGS		TN	c 	і 1 с	S	1			i 1	
	! !XING/S		TRAFFIC COND. (XING I	LANE) STREET REI	PAIR	1	FT	C	1	S	С		TC4	0.1	
CODE			EXIST TAG NEW TA	\G				CONST	IRUC:	TION	NOTE	s			
FAC	)  XING/S	 	TRAFFIC COND. (XING I			I	[ [ ET	   C		 				I I I I I I I SICI ITC4	     S   C    TC4   0.1

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09/05/17 11				SAN DIEGO GAS AND DPSS - DESIGN REVIEW	ELECTRIC	TAII							F	AGE NO 282
ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	-T&C JOB	1								R: 2960700
ESIGN: 01	NAME	ROLANE	00 BLK 7G2 T&C JOB 1	STATU	S: ACT									
OCATION: 2	48 SHE	ET: 01		GNED BY: GEORGE BONNER							NE: 999-99			N 248 OF 58
WRKI	  AU ID	   stock# [	DESCRIPTION/	CONSTRUCTION NOTES				RSP	TRT	TRT	STANDARD	TYPE	HOURS	
I-NI	3421-1 	  514240	PAD 3421 1-PHASE T PAD 1-PHASE XFMR		i 1	EA		   C	S 	j c	3421.1 ]	∫3–AF4	0.4	
I-N	X-XF1P		PAD PREP 3421 PAD	(1-PHASE TRANSFORMER)	1	EA	C		5	c	1   	:  3swf3	3 0.4	
1-N  	TG-T-W 	  812816	TRENCH GRD WIRE W/ WIRE BARE COPPER	O RODS (TRANS/CAP) #2-7 STR SOFT DRAWN	1	EA LB	C 	l c	S	I C	4510.1 	3SWF: 	3  0.2	
I-N	1-2SLB 	321812	1-2 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SA	2 IN 90 D 36 IN R		IEA IEA ICY	C   		5   	1 C [ ]	3373.2   	3-WF:   	8  0.1      	
I-NI	1-3 <b>SLB</b> 		1-3 IN DE 90 D 36 BEND CONDUIT DE	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R CK SAND	i 4	EA  EA	i c I	i I C	S 		3373.2 	3-WF3 		
	PAD		EXIST TAG NEW D21		SEE SHT 8					NOT				
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	M2-LOCAL40-0 17 11:36	001	SAN DIEGO GAS AND EI DPSS - DESIGN REVIEW COF	Y - DE								P	AGE NO 283
PROJECT	T: 253568	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1								T WO	RK ORDE	R: 2960700
DESIGN	: 01 NAME	E: ROLANI	DO BLK 7G2 T&C JOB 1 STATUS:	ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHO	NE: 999-99	99	LOCATIO	N 249 OF 587
1 WDV 1	1	1			r		L MONT	TIM   TRT	ACC   TRT	STANDARD   PAGE	CREW   TYPE	EST    HOURS	
I-N	3'HD-2	71	HAND DIG TRENCH 3 FT DEEP AVE	22	] FT	l C	1	S	C	G7453	3-WF3	8.4	
I-N  	BKF-3 	1	BACKFILL TRENCH 3 FOOT DEEP	22 	] FT ]	C 	1	S 	i c I	Ì	3-WF3   C-BC	0.3	
I-N    I - N  	l	611492 	   SHADE TRENCH WITH SAND - 12 INCH WIDTH   SAND, FILL RECYCLED MATLS PREFFERED	   22   2	FT   TN 		     C 	 [ <b>S</b> [	   C   	  G7405 	[3-WF3  C-BH [C-DT		
II-NI	1DB3-5	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	22	FT	i c 1	1 1 C	1	i c I	3373.1	i	0.31	
	R-XCES	 5   X30007 	   EXCESS TRENCH SPOIL (12 IN DEEP)   DUMPING FEE	1 22 1 2					C   	[	IC-DT I	0.6	
] [ ] I-N [		J	REMOVE/REPLACE LANDSCAPING	į 1		i c	-	-	l C	l.	•	i 0.11	
] ]I-N]	CC-2C	rj	CONCRETE 2 SAW CUT AND BREAK MECH	i 1	FT	i c		s		Ì	SR3AS	i i	
] ] [I-N]		2	FINISH CONCRETE SURFACE MAN 12 IN	į 1		i c		្ទ	ļ¢	1	  SR3CS	I	
  I-N	  SAW-CO	zi	SAW CUT CONCRETE	10	•	c	i –	S	l c	1		1.5	
I-N	1	K   248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1   1	CY	i c I		S 	i c	1	   SR3CS 	1.0	
1  I-N    1	BH03XI 	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	8   6   1	EA   TN	C   	l c l c	i I	1 C 1 1	l I	  C-BC  C-BH  3SWF4 	0.3    0.3    0.6	
] I-N]	1	1720001	ASPHALT, COLD MIX     TRENCH SPOIL 3 FT DEPTH   DUMPING FEE	8   2	CY	i c	i i	S	I C	1		0.7	
! [ [∑−N  [	SLR-18	 3   656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	1 24 1 2	   FT   CY 	i c		1 S 1	ιc	G7409 	  3-WF3   	[ ]   <b> </b>	
{ <b>Σ</b> -N     <b>Ι</b>   	1EB3SI   	L   249664  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 8 1 8 1 1	FT   FT   CY	i c 1		1 S 1 1	[ [	3376.1 	•	0.1  	
I-N    I -N  		321878	1 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DE 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	j 1 j 1 j 1	EA  CY	C   	1 C 1 C	S   	i c	3373.2   	3-WF3   	0.1      	
  I-N			   TC-LANE CLOSURE URBAN STREET	1 1		C		i s		i		[ 1.0]	
] [ ] I—N [		 5	   LANE CLOSURE URBAN ST (STREET REPAIR)	•	   EA		1 1			•	  TC4	   1.0	

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0P001EM2-LOCAL 09/05/17 11:36					DPSS -			) ELECTRIC COPY - DETA	\IL			PAGE	NO 284
ROJECT: 25356	68 JOB:01	REV:0	TYPE	: UD	NAME :	ROLANDO	BLK 7G2	-T&C JOB 1		STA		WORK ORDER: 2	
ESIGN: 01	NAME: ROLAN	NDO BLK 7G2	T&C J	QB 1			STATU	JS: ACT					
OCATION: 249	SHEET: 02	DISTRICT:				GEORGE	BONNER			PHONE :	999-9999	LOCATION 24	9 OF 58
WORK FAC FUNC CODE	DESC	EXIST	TAG	NEW	TAG				CONSTRUCTION				
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ROJECT: 25	3568 3	JOB:01	REV:0 TYPE: UD NAME: ROLANDO BLK		1				Ś	STATUS: AC	T WO	RK ORDE	R: 2960700
ESIGN: 01		ROLAND	DELK 7G2 T&C JOB 1 S	TATUS: ACT									
			DISTRICT: CM DESIGNED BY: GEORGE BON						PHO	NE: 999-99	999 1	LOCATIO	N 250 OF 58
WRKI F-CIMU ID	AU ID	stock#	DESCRIPTION/CONSTRUCTION NOTES	QTY   RQD	   UM	WRK   RSP	MAT RSP	TIM   TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST     HOURS	
[-N	3'HD-A	l l	HAND DIG TRENCH 3 FT DEEP AVE	i 10	Fï	I C	l –	S S	C	G7453	3-WF3	4.1	
E-N	1	i î 1 î	BACKFILL TRENCH 3 FOOT DEEP	l [ 10 [	   FT 	   C 		   S 	i c	 	[3-WF3 [C-BC		
	i I	[  611492[   [	SHADE TRENCH WITH SAND - 12 INCH WIDT SAND, FILL RECYCLED MATLS PREFFERE		FT   TN	1 1 C 1 [	     C 		 	G7405 	C-DT	     	
[-N  	[	  2496641	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH		   FT   FT	1   C 		•	I	(3373.1 (	i	0.2	
T	R-XCES	X300071	EXCESS TRENCH SPOIL (12 IN DEEP) DÜMPING FEE	, – +	   FT   CY		I C	S 	   C 	[ 	1	0.3	
ī−N[	PLANTU		REMOVE/REPLACE LANDSCAPING	1 10	   FT	I C	1	15		i		i 1.0i	
1	1	  248204	CONCRETE REPAIR FOR TRENCH MECH 18 I CONCRETE - 5 SACK (3/4" ROCK MIX)		  FT  CY	   C 	   C	   S 		 1	  0-BC  SWF4B	i i i 0.1	
1 I-N1	CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	 [ FT	c	1	I S	l C		   SR3CS	i i	
I-N    	1	  X20201   114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	   FT   EA   TN			i	1	1	C−BH  3SWF4	0.2  0.2  0.4	
[ -N[ 	REM-3 ' 	X300071	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	J 5	   7T   CY	ίC	1 1 1 C	   S 	C 	Ì	   C-DT 	0.4	
	SLR-18 	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DE SLURRY MIX, 1 SACK SAND		   FT   CY	   C 	l l c	IS	C I	  G7409 	  3-WF3 		
[_N  [	1EB3SL   	249664¦  656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	1 5	FT  FT  CY	İ.		i	. +	1	  3-WF3   		
	LN-S/U		TC-LANE CLOSURE URBAN STREET		  EA	   C	1	i s	i c	I		1.01	
	[  LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)		  EA	[ [ C	i	] ] S				   1.0	

9/05/17 11	:36			SAN DIEGO GAS AND DPSS - DESIGN REVIEW	COPY - DE									
ROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2	-T&C JOB	1				! 	STATUS: AG	CT WO	RK ORDE	R: 2960700
ESIGN: 01	NAME	ROLAND	0 BLK 7G2 T&C JOB 1	STATU	S: ACT									<b></b>
OCATION: 2	51 SHEI	ET: 01	DISTRICT: CM DESI	SNED BY: GEORGE BONNER						PHO	NE: 999-99	999 :	LOCATIC	N 251 OF 58
WRK  F-C MU ID	AU ID	STOCK#1	DESCRIPTION/	CONSTRUCTION NOTES	RQD	UM I	RSP	RSP	TRT	TRT	STANDARD   PAGE	TYPE	HOURS	
I-N	13'HD-A	+ 	HAND DIG TRENCH 3	FT DEEP AVE	[ 28	FT	С		S	С	G7453	3-WF3	10.6	
I–N  l	  BKF-3' 		BACKFILL TRENCH 3	FT DEEP AVE	28	FT 	с		S	с	 [ !	3-WF3	0.41	
I N     	SHD-12 	l í	SAND, FILL RECY	SAND - 12 INCH WIDTH CLED MATLS PREFFERED	1 2	I IN		[ C   [	. 5		167405 ] ]	C-BH  C-DT	0.1    0.1    0.1	
1 1-N  	l	249664	1-3 IN DE CONDUIT . CONDUIT DE 3 IN .	SEC 20 FT LENGTH	28   28	FT   FT	с	1	S	C	3373.1		0.4	
I-N  	R-XCES	X30007	EXCESS TRENCH SPOI DUMPING FEE	L (12 IN DEEP)	28   3	FT CY	c	) ) C	S	   C 	1	C-DT	0.71	· · · · · · · · · · · · · · · · · · ·
I-N	PLANTU		REMOVE/REPLACE LAN	DSCAPING	[ 28	FΤ		Ì	5		i	3-WF3	28	
I-N[	1	  248204	CONCRETE - 5 SAC	R TRENCH MECH 18 IN K (3/4" ROCK MIX)	8	FT  CY	C	Ì	S	C C	1	0-BC  SWF4B	0.1	
I-NI	CF-H18		FINISH CONCRETE SU	RFACE MAN 18 ÎN	1 8	FT	c	İ.	S	1 C	1	SR3CS	i i	
I-N    		  X20201   114215	TRAFFIC BEARING ASPHALT, COLD MI	FT DEEP BACKHOE STEEL PLATE X	8   6   1	FT   EA   TN	C		S	C   	G7453   	IC-BC IC-BH I3SWF4	0.3    0.3    0.6	
 	[REM-3'	X30007	TRENCH SPOIL 3 FT DUMPING FEE	DEPTH	8	FT CY	C 	   C	S	   C 	1	  C-DT 		
I-N  	SLR-18 	656400		IN WIDE X 12 IN DEEP CK SAND	24	CY	i c		Ì		G7409			
  -N    	1EB3SL   	249664   656400	1-3 IN EB CONDUIT CONDUIT DE 3 IN SLURRY MIX, 1 SA	SLURRY ENCASED 20 FT LENGTH CK SAND	i 28 i 28 i 1	FT   CY	C   		S   	( C (	3376.1   		1 [	<u> </u>
I-N    		   322048 [   656400 [		IN R BEND SLURRY ENC 3 IN 90 D 36 IN R CK SAND	1 1 1 1 1 1	EA  EA  CY	U I I	[ [ប [ប	S   	1 C   	  3373.2   	3-wF3   	0.1	
I-NI	  LN-S/U		TC-LANE CLOSURE UR	BAN STREET	1	EA	1 ] C	1	S	C		1   TC3	1.0	<b>.</b> .
] I-N]	  LN/S/S	 	LANE CLOSURE URBAN	ST (STREET REPAIR)		I EA	l C	1	S	l c	1	  TC4	1.0	

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

### CONSTRUCTION NOTES

PROJECT: 25	3568	JOB:01	REV:0 TYPE: UD	SAN DIEGO GAS ANI DPSS - DESIGN REVIEW NAME: ROLANDO BLK 762	2 -T&C JOB	1						T WO	RK ORDER	2960700
DESIGN: 01	NAME	: ROLANDO	O BLK 7G2 T&C JOB 1	STATU	JS: ACT									
				GNED BY: GEORGE BONNER						PHO	NE: 999-99	99	LOCATION	1 252 OF 58
WRKI	  AU ID	   STOCK#	DESCRIPTION/C	CONSTRUCTION NOTES	QTY   RQD	  UM	WRK   RSP	MAT  RSP	TIM   TRT	ACC TRT	STANDARD   PAGE	CREW  TYPE	EST    HOURS	
I-NI	[3'HD-A	I I	HAND DIG TRENCH 3		23	FT	+   C	i i	S	¢	G7453	13-WF3	8.8	
I-N[	[  BKF-3' [	i i	BACKFILL TRENCH 3 F	FOOT DEEP	23		C	•	S	С	1	3-WF3  C-BC	[_   0.3    0.3]	
] I–N[ ] I–N[ ] [	  SHD-12   	611492	SHADE TRENCH WITH S SAND, FILL RECYC		1	   FT   TN 	•	1 1 C		-	G7405	C-BH	i 0.1i	
	1	2496641	1-3 IN DB CONDUIT S CONDUIT DB 3 IN 2		23	FT			ISI	C	3373.1 	3-WF3 	i ī	
] <b>I</b> -N ] I-N ] <sup>5</sup> 1 <sup>1</sup>	R-XCES	X30007	EXCESS TRENCH SPOID DUMPING FEE	L (12 IN DEEP)	23	  FT  CY	i c	1 c	i i		 	Î.	[ 0.6] [ ]	
II-N	! ! PLANTU }	i i	REMOVE/REPLACE LAND	DSCAPING	1 10	   ET	c		S		i		i 1.0	
I-N		i i	CONCRETE 2 SAW CUT	AND BREAK MECH	   13	  FT	   C	1		с	1		i 0.5i	
I-N	CF-H12	i i	FINISH CONCRETE SUR	RFACE MAN 12 IN	13	FT	   C		ទេ	с	1	1 = = = = =	i 0.1	······································
I-N   	1	  249664   656400	1-3 IN EB CONDUIT S CONDUIT DB 3 IN 2 SLURRY MIX, 1 SAC	20 FT LENGTH	i 38	  FT  FT  CY		   C   C	S   		13376.1 1		0.5	
1 1	  1-3SLB   	   322048   656400	1-3 IN DB 90 D 36 I BEND CONDUIT DB 3 SLURRY MIX, 1 SAC	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R	1 1	  EA  EA  CY	   C   		1 1		!	i		
	iln-s/u		TC-LANE CLOSURE URE	BAN STREET			   C		1 [ ] 5 [		[		   1.0]_	
, ,	  LN/S/S		LANE CLOSURE URBAN	ST (STREET REPAIR)	1	  EA	l L C		   S	с	l I	   TC4	1 1.0	

SEE SHT 8

Block 7G2 UUP Attachment E – Technical Specifications

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DOTECT: 2	53569		SAN DIEGO GAS AND E DPSS - DESIGN REVIEW CO	Lec TOB	1					STATUS: AC	T WOE	K ORDI	R: 2960700
			REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 O BLK 7G2 T&C JOB 1 STATUS:										
			DISTRICT: CM DESIGNED BY: GEORGE BONNER						PHOI	NE: 999-99	99 1	LOCATIO	ON 253 OF 58
WRK  F-C MU ID	  AU ID		DESCRIPTION/CONSTRUCTION NOTES	i QTY i RQD	]   01 M	WRK RSP	MAT RSP	TIM TRT	ACC TRT	STANDARD	CREW [ TYPE	EST HOURS	<u></u>
+ I-N	3'HD-A		HAND DIG ODENCH 2 FT DEED AVE	1 43	1.1			S		16/454	1 <b>3 - W F 3</b>	I I. B. U.	the second second second second second second second second second second second second second second second s
I−N  			BACKFILL TRENCH 3 FOOT DEEP	1 43	FT.	с		S	c .	   	13-WF3	   0.6	
I-N    	   SHD-12 	i i	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	   43   3	FT   TN	c	   C	S	   C 	  G7405 	  3-WF3  C-BH  C-DT	0.1   0.1   0.1	
I-N	1 I	249664	1-3 IN DE CONDUIT SEC CONDUIT DE 3 IN 20 FT LENGTH	43 1 43	FT   FT	C	   Ç	S	1 C 	3373.1 	  3-WF3   	0.6	
1-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	43	ET	c	[	S	C	   	C-DT	1.1	<del>_</del>
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	43	FT	I C	1	; ] 5 ]	I C		SR3AS	1.7	_
I-N	  CF-H12	i i	FINISH CONCRETE SURFACE MAN 12 IN		FT	C	I	S	C	Í	SR3CS	0.2	1
I-N[	Ì	  248204	CONCRETE REPAIR FOR TRENCH MECH 18 IN CONCRETE - 5 SACK (3/4" ROCK MIX)	i 108	FT   CY	, Ç Ç I	i I C	S	i C 1	1	0-BC   SWF4B	0.3	
I-N	CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	   108	FT	C		S	c	L	SR3CS	0.4	i
1 I-N    		X20201   114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	108	FT	C		S	I C	G7453 		4.3   4.3   8.6	
I-N[	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	108   27	] FT	C		S	I C		C-DT	9.5	]
I-N	SLR-18	656400	BACKETLL SLUPPY 18 IN WIDE X 12 IN DEEP	324   19	$\perp FT$	D 1		I S	L C	1G7409	3-WF3	1 0.6	   
I-N]	1EB3SL   	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	108   108   3	FT   FT   CY	C   	c c	I S	C   	3376.1   	3-WF3	1.5   	   
I-N    	  1-35LB   !	    322048  656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND		IEA IEA ICY	   C   	     C   C	   S   	   C 	  3373.2   	  3-WF3	0.1   	 
   -N   	1-3SL8	    321878  656400	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	i 1	  EA  EA  CY	i c	i I C	S 	i c	13373.2	3-WF3	j 0.1	   
 I-N]	   T.N-S/11	1	SLURRY MIX, 1 SACK SAND		  EA	   C	1	i js	   C		TC3	   1.0	 

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DP001EM2-L 09/05/17 1	1:36									DPY - D		L							PAG	E NO	289
PROJECT: 2				TYPE	: UD											TATUS:	ACT	WORK OF	RDER:	29607	00
DESIGN: 01				2 T&C 3	70B 1			s	TATUS												
LOCATION:							Y: GEO	RGE BON	INER								-9999				587
WRK   F-C MU ID				DESCRI	TION/C	ONSTR				QTY   RQD	1	WRK	MAT	TIM	ACC	STANDA	RD   CRE	W   EST	C		
+      I-N	  LN/S/:	-+ ] S1	   LANE CI	LOSURE	URBAN	ST (S	TREET 1	REPAIR)	•	[	 1 EA	1 .  C	 	 [ S	C		   TC4	   1.	.01		
WORK FA FUNC COD		c	EXIS	r tag	NEW	TAG						CONS	TRUC	TION	NOTE	s					
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09/05/17 1:	1:36			SAN DIEGO GAS AND F DPSS - DESIGN REVIEW CO			2						E	PAGE NO 290
ROJECT: 2			REV:0 TYPE: UD	NAME: ROLANDO BLK 7G2 -	-T&C JOB	1								R: 2960700
			0 BLK 7G2 T&C JOB 1	STATUS:										
				GNED BY: GEORGE BONNER										N 254 OF 58
	AU ID	STOCK#	DESCRIPTION	CONSTRUCTION NOTES	RQD	JUM	RSP	RSP	TIM	ACC TRT	STANDARD	CREW    TYPE	EST   HOURS	
+	13313TC	  400302	HANDHOLE 3313 WITH 3313 TRAFFIC COV		10   10	EA EA	C 	   c	S	c	3313 	BOOMT     3-AF4	30.0  5.0	
I-N[			EXCAVATE 3313 HANI	DHOLE	1	EA	C		S	Ċ	[3313.2		0.41	
I-N[	l  CC-1CT	í I	CONCRETE 1 SAW CUT	ſ	i 1	FT	   C 	ĺ	S	С	[	SR3AS	1	
I-NI	AD P H 	, , 1 I	ADJUST HH TO GRADH CONCRETE - 6 SAG	E (IN PKY OR NEW CONST) CK (3/4" ROCK MIX)	1 1	EA CY		   C	S 	i c	1	SR3CS     BOOMT	1.5 4.0	
 I-N    	1-3\$LB   	  322048   656400	1-3 IN DB 90 D 36 BEND CONDUIT DB SLURRY MIX, 1 SA	IN R BEND SLURRY ENC 3 IN 90 D 36 IN R ACK SAND	5   5   1	EA  EA  CY	C   		is I	C   	1 <b>3373.2</b> 1 1	3-WF3    	0.3	
1-N	LN-S/U		TC-LANE CLOSURE UN	RBAN STREET	1 1	EA	1   C 	1	S	C	1	1    TC3   	1.0	
 I-N	 [ln/s/s		LANE CLOSURE URBAN	N ST (STREET REPAIR)			I C	•	•			TC4		
WORK FA			EXIST TAG NEW		EE SHT 8		CONS:	TRUC	TION	NOT	ES			
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ROJECT: 25	3568 .	JOB:01	REV:0			ROLANDO BLK 7G2	-T&C JOB	1				1	STATUS: AC	T WO	RK ORDE	R: 2960	700
ESIGN: 01	NAME	: ROLAND	O BLK 7G2	T&C JOB 1			S: ACT				<b></b>						
OCATION: 2	55 SHE	ET: 01				GEORGE BONNER						PHO	NE: 999-99	99 :	LOCATIC	N 255 0	F 58
WRK  F-C MU ID	]  AU ID	   STOCK#	DÉ	SCRIPTION/C	CONSTRUCT	fion notes	i ROD	MIT	I RSP	IRSP	TRT		STANDARD   PAGE	CREW  TYPE			
I – N	SAW-CC	[ ]	SAW CUT				10	FΤ	C		S	) C		SR-3C			
I-N	1	  248205		SIDEWALK S TE - 6 SACH		(5X5) FINISHED ROCK MIX)			i c	     C		   C 		   SR3ĊS 			
	]  СС <b>-</b> 2СТ 	i i	CONCRETE	2 SAW CUT	AND BREA	AK WECH	126	FT	   C		S		]   1				
-N	  CF-H18	i i	FINISH C	ONCRETE SUP	RFACE MA	AN 18 IN	126	FT	   C		s	l C	I	   SR3CS	0.5		
N	BH03XH   	  X20201   114215	TRAFFI	TRENCH 3 C BEARING 5 T, COLD MI2	STEEL PLA			EA TN	 		•	1	G7453 	  C-BC  C-BH  3SWF4	5.5    5.5		
-N	REM-3'		TRENCH S DUMPIN	POIL 3 FT NG FEE	DEPTH		138   35		i c	C		l l C	   	  C-DT 	   12.1  		
N	]SLR-18 ]	i i		. SLURRY 18 MIX, 1 SAC		x 12 IN DEEP	<u>4</u> 14   24	ICY		l c		   C 	  G7409 	  3-WF3 	   0.8  		
i	i1EB3SL J	  249664	CONDUI	EB CONDUIT S T DB 3 IN 2 MIX, 1 SAC	20 FT LEI		   138   138   3	FT	i c I		i ·	1	  3376.1 	  3-WF3   	1.9  		
-N   	1	322048	BEND C	DB 90 D 36 1 CONDUIT DB 3 MIX, 1 SAC	3 IN 90 I	) SLURRY ENC ) 36 IN R		,	Ĺ	   C   C	i	1	  3373.2   	3-WF3   			
	i !LN-S/U		TC-LANE	CLOSURE URF	BAN STREE	ET	1	   EA	l C		S	l C	]	TC3	   1.0		
	[  LN/S/S	1 1 1 1	LANE CLC	SURE URBAN	ST (STRE	ET REPAIR)	1	  EA	   C	1	S	I C		  TC4	[ ] [ 1.0]		

#### CONSTRUCTION NOTES

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#### SEE SHT 8

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Block 7G2 UUP Attachment E – Technical Specifications

| 9/05/17 1     | LOCAL40-00<br>11:36 |                         | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | PY - DET          |                      |            |             |                  |            |                    |                         |                 | AGE NO 292   |
|---------------|---------------------|-------------------------|--|-------------------|----------------------|------------|-------------|------------------|------------|--------------------|-------------------------|-----------------|--------------|
| ROJECT: 2     | 253568              | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB           | 1                    |            |             |                  | :          | STATUS: AC         | T WO                    | RK ORDEI        | R: 2960700   |
| ESIGN: 01     | I NAME              | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                      |            | . <b>_</b>  |                  |            |                    |                         |                 |              |
| OCATION:      | 256 SHE             | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                      |            |             |                  | PHO        | NE: 999-99         | 999                     | LOCATIO         | N 256 OF 587 |
|               |                     |                         |  |                   |                      |            |             | Long series at 3 | ACC        | STANDARD<br>  PAGE | CREW                    | EST  <br> HOURS |              |
| I-N           | 101100              |                         | WAND DIE BENOU 2 PE DEED NUE   | 1 10              | በ ድም                 |            |             | C                |            | 107453             | 13-1873                 | 1 4.1           |              |
| I-N1          | <br>  BKF-3 '<br>   | <br>   <br>1            | BACKFILL TRENCH 3 FOOT DEEP  | 10                | FT                   | С          |             | ŝ                | с          | <br> <br>          | 3-WF3<br> C-BC          | 0.2             |              |
| I-N <br>l     | SHD-12<br>          | 1 1                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 10<br>  1<br>     | FT<br>  TN<br>       | С          | <br>  C<br> | S<br> <br>       |            | G7405<br> <br>[    | 3-WF3<br> C-BH<br> C-DT |                 |              |
| I-N           | Ì                   | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 10              | <br>  FT<br>  FT     | Ç          | i<br>I C    | <br>  S<br> <br> | C<br>      | 3373.1<br>         | <br> 3-WF3<br> <br>     | 1 0.2           |              |
| I-N           | R-XCES              | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | j 1               | CY                   | с          | і<br>  с    |                  | i c<br>I   |                    | 1C-DT<br>1              | 0.3             |              |
| I-N           | PLANTU              |                         | REMOVE/REPLACE LANDSCAPING   | i 1               | FT                   | c i        | i           | S                | C          | l                  |                         | 0.1             |              |
| I-N           |                     | i i                     | SAW CUT CONCRETE   | i 10              | FT                   |            | I           | S                | С          | i                  | SR-3C                   | 1.51            |              |
| I-NI          | CC-WLK              | 1 1                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | i 1               | EA                   | i c        | i           | İS               | i ç        | 1                  | (SR3CS                  |                 |              |
| 1<br>1-N <br> | BHO3XH<br> <br>     | <br> x20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 10<br>  8<br>  1  | FT<br>  EA<br>  TN   | C<br> <br> |             | 5                | C<br> <br> | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 0.4 <br>  0.4   |              |
| I-N           | REM-3 '             | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 10<br>I 3       | ] FT                 | i C<br>I   | i<br>i c    | S                | C I        | 1                  | C-DT<br>                | [ 0.9]          |              |
| I-NI          | SLR-18              | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 30<br>1 2       | FT                   | i c<br>I   | <br>  C     | S                | i C        | IG7409             | 3-WF3                   | i 0.1           |              |
| 1<br>I-N <br> | 1EB3SL<br> <br>     | 249664 <br> 656400      | SLURRY MIX, 1 SACK SAND  | 70<br>  70<br>  2 | i FT<br>  FT<br>  CY | C<br> <br> | c<br>c      | S<br> <br>       | C<br> <br> | 3376.1<br> <br>    | 3-WF3<br> <br>          | 1.0             |              |
| 1-N           | 1-3SLB<br> <br>     |                         | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | EA<br> EA<br> CY     |            | c<br>c      | S<br> <br>       |            | 3373.2<br> <br>    |                         |                 |              |
| I-N           | <br> LN-S/U         |                         | TC-LANE CLOSURE URBAN STREET   | 1 1               | EA                   | I C        |             | l S              | ¢          | 1                  | TC3                     | 1.0             |              |
| <br> I-N      | LN/S/S              |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  | <br>  1           | <br>[EA              | c c        |             | S                | i c        |                    | TC4                     | 1.0             | <u>+ ~ ~</u> |

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EXIST TAG NEW TAG

CONSTRUCTION NOTES

| 9/05/17      | -LOCAL40-00<br>11:36     |            |                                  |               | SAN DIEGO GAS A<br>DPSS - DESIGN REVIE  |        |            |            | _           |            |            |            |              |                     | E       | AGE NO 29   |
|--------------|--------------------------|------------|----------------------------------|---------------|---|--------|------------|------------|-------------|------------|------------|------------|--------------|---------------------|---------|-------------|
| ROJECT:      |                          | OB:01      | REV:0 TYPE:                      | UD            | NAME: ROLANDO BLK 7                     | G2 -T& | с јов      | 1          |             |            |            |            | STATUS: AC   |                     |         | R: 2960700  |
| ESIGN:       | 01 NAME:                 | ROLAND     | 0 BLK 7G2 T&C JOI                | в 1           | STA                                     | TUS: A | СТ         |            |             |            |            |            |              |                     |         |             |
| CATION       |                          |            |                                  |               | NED BY: GEORGE BONNE                    |        |            |            |             |            |            |            | NE: 999-99   |                     | LOCATIO | ON 257 OF 5 |
| F-CIMU       | I I I I I                | <br>STOCK# | DESCRIPT:                        | ION/C         | ONSTRUCTION NOTES                       | 1      | QTÝ<br>RQD | <br>  UM   | WRK<br> RSP | MAT        | TIM<br>TRT | ACC<br>TRT | STANDARD     | CREW                | HOURS   |             |
| 1–N1<br>1    | 3421-1                   | 1          | PAD 3421 1-PHAS<br>PAD 1-PHASE 1 | er mp         | ANSFORMER<br>/ 3-PHASE F.C. 3421        | i      | 1<br>1     | EA<br>  EA | C<br>       | i c        | SI         | С          | 3421.1       | 3-AF4<br>           | 0.4     |             |
| I-N          | X-XF1P                   | - I        | PAD PREP 3421                    | PAD (         | 1-PHASE TRANSFORMER)                    |        |            |            |             | 1          |            |            | i<br>i<br>1  | <br> 35WF3          |         |             |
| I-N  <br> -N | ITG-T-W                  | i i        | TRENCH GRD WIRE                  | e w/o<br>PPER | RODS (TRANS/CAP)<br>#2-7 STR SOFT DRAWN | 1      | 1<br>8     | EA<br>  LB | I C<br>I    | 1<br>1 C : | SI         | с          | 4510.1<br>   | 3SWF3<br>]          | 0.2]    |             |
| I-N<br>I     | [1-3SLB <br>[            | <br>322048 | 1-3 IN DB 90 D                   | 36 I<br>DB 3  | N R BEND SLURRY ENC<br>IN 90 D 36 IN R  | 1      | 1<br>1     | EA<br>  EA | I C         | 1 :        | S          | C          | 13373.2<br>I | <br> 3-WF3<br> <br> | 0.1     |             |
| I-N          | [1-4SLB]                 | 3220821    | 1-4 IN DB 90 D                   | 90 D          | N R BEND SLURRY ENC<br>36 IN R BEND     |        | 5<br>5     | ΞA         | l C         |            | SI         | С          | 3373.2<br>   | <br> 3-WF3<br> <br> | 0.3     |             |
|              | FAC<br>DE DESC<br>PD PAD |            | EXIST TAG                        | NEW<br>D218   |   | SEE    | SHT 8      |            | CONST       | IRUC       | TION       | NOTI       | ES           |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
| ······       |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        | -          |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         | , <u> </u>  |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |
|              |                          |            |                                  |               |   |        |            |            |             |            |            |            |              |                     |         |             |

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| 9/05/17 1           |                   |                | DPSS - DI  |                 |                |         |      |      |                         |     |                    |                              |               |             |
|---------------------|-------------------|----------------|--|-----------------|----------------|---------|------|------|-------------------------|-----|--------------------|------------------------------|---------------|-------------|
| ROJECT: 2           | 53568             | JOB:01         | REV:0 TYPE: UD NAME: RO                                  | LANDO BLK 7G2 - | T&C JOB        | 1       |      |      |                         |     | STATUS: AC         | T WO                         | RK ORDE       | R: 2960700  |
|                     |                   |                | ) BLK 7G2 T&C JOB 1                                      |                 |                |         |      |      |                         |     |                    |                              |               |             |
| OCATION:            | 258 SHE           |                | DISTRICT: CM DESIGNED BY: G                              | SORGE BONNER    |                |         |      |      |                         | PHO | NE: 999-99         | 999                          | LOCATIO       | N 258 OF 58 |
|                     | <br> AU ID        |                | DESCRIPTION/CONSTRUCTION                                 | IN NOTES        | 1 BOD          | UMI     | RSP  | RSP  | TRT                     | TRT | STANDARD<br>  PAGE | 1 TYPE                       | HOURS         |             |
| +<br>I-N            | 3'HD-A            | *==+·<br>      | HAND DIG TRENCH 3 FT DEEP                                | AVE             | 1 7            | FT      | С    |      | S                       | с   | G7453              | 3-WF3                        | 3.0           |             |
| I-N <br>[           | [<br> BKF-3'<br>! | 1 1<br>   <br> | BACKFILL TRENCH 3 FOOT DEEP                              |                 | <br>  7        | FT <br> | С    |      | S                       |     | <br> <br>          | C-BC                         | 0.1 <br>  0.1 |             |
| I-N <br> <br>       |                   |                | SHADE TRENCH WITH SAND - 12<br>SAND, FILL RECYCLED MATLS |                 | <br>  7<br>  1 |         |      | c    | S <sup>-</sup><br> <br> |     | 1<br>1G7405<br>1   | <br> 3-WF3<br> C-BH<br> C-DT | 1             |             |
| ]<br>I-N <br>       |                   |                | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENG      | TH              | i 7            |         |      |      | -                       |     | <br> 3373.1<br>    | 3-WF3<br>                    | 0.1           |             |
| 1-N <br>i           |                   |                | EXCESS TRENCH SPOIL (12 IN DUMPING FEE                   | DEEP)           | i 7            | FT      | С    |      | S                       |     |                    | C-DT                         | 0.2           |             |
| I<br>I-N!           | <br>  PLANTU      | 1 I            | REMOVE/REPLACE LANDSCAPING                               |                 | 1              | FT      | с    | <br> | l S                     | C   | 1                  | 13-WF3                       | 0.1           |             |
| WORK F2<br>FUNC COI |                   |                | EXIST TAG NEW TAG  | <b></b>         |                |         | CONS | IRUC | TION                    | NOT | ES                 |                              |               |             |
|                     |                   |                |  | SF              | E SHT 8        |         |      |      |                         |     |                    |                              |               |             |

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| DP001EM2-LOCAL40-001<br>09/05/17 11:36                    | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP |              |   | PAGE NO 295             |
|---|--|--------------|---|-------------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD                     | NAME: ROLANDO BLK 7G2 -T                         | &C JOB 1     | STATUS: 1                               | ACT WORK ORDER: 2960700 |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1                | STATUS:  |              |   |                         |
|   | NED BY: GEORGE BONNER                            |              | PHONE: 999-                             |                         |
| WRK         <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CC |  | QTY    WRK M | AT TIM ACC STANDARI<br>SP TRT TRT  PAGE | D  CREW   EST           |
| I I I I I I I NO DESIGN UNITS FOR                         | R THIS LOCATION                                  |              |   |                         |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW :                |  |              | UCTION NOTES                            |                         |
|   | SEE  | SHT 2        |   |                         |
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| 9/05/17 11        |            |                 |                                       | DPSS - DESIGN REVIEW                          | COPY - DE    |                | L<br>a     |                |          |          |                  |                                  |             |            |
|-------------------|------------|-----------------|---------------------------------------|---|--------------|----------------|------------|----------------|----------|----------|------------------|----------------------------------|-------------|------------|
|                   |            |                 | REV:0 TYPE: UD                        | NAME: ROLANDO BLK 7G2                         | -T&C JOB     | 1              |            |                |          |          |                  |                                  |             | R: 2960700 |
|                   |            |                 | O BLK 7G2 T&C JOB 1                   |   | S: ACT       |                |            |                |          |          |                  |                                  | ·           | <b></b>    |
| OCATION: 2        | 60 SHE     | eT: 01          | DISTRICT: CM DESI                     | IGNED BY: GEORGE BONNER                       |              |                |            |                |          |          | NE: 999-99       |                                  |             | N 260 OF 5 |
| WRK <br>F-C MU ID | <br> AU ID | <br> STOCK#     | DESCRIPTION/                          | CONSTRUCTION NOTES                            | QTY<br>  RQD | UM             | RSP        | RSP            | TRT]     | TRT      | STANDARD         | [TYPE ]                          | HOURS       |            |
|                   | 3 ' HD-A   | 1 1             | HAND DIG TRENCH 3                     |   | 5            | FT             |            | [ [            | S        | С        | G7453            |                                  | 2.3         |            |
| I-N               | Ì          | 1               | BACKFILL TRENCH 3                     | FOOT DEEP                                     | 5            | FT             | i c        | 1 1<br>1 1     | ຣ  <br>ເ | С        | <br>             | 3-WF3<br> C-BC                   | 0.1 <br>0.1 |            |
|                   | 1          | i I             | SAND, FILL RECY                       | SAND - 12 INCH WIDTH<br>YCLED MATLS PREFFERED | . 5<br>. 1   | FT<br>  TN<br> | C<br> <br> | <br>  C  <br>[ | 1        | С        | [G7405<br>]<br>] | <br> 3-WF3<br> C-BH<br> C-DT<br> | 1           |            |
| I−N Í             | 1DB3-S     | 12496641        | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN  | SEC<br>20 FT LENGTH                           | i 5<br>i 5   | FT<br>  FT     |            | <br>  C        | - I      | c        | 3373.1<br>       | 3-WF3<br>                        | 0.1         |            |
| I-N               | R-XCES     | X30007          | EXCESS TRENCH SPOI<br>DUMPING FEE     | IL (12 IN DEEP)                               | 5<br>  1     | FT<br> CY      | C<br>      | <br>  C        | SÌ       | С        | [                | <br>  C-DT<br>                   | 0.1         |            |
| 1                 | 1          | l               | REMOVE/REPLACE LAN                    | NDSCAPING                                     |              | FT             | <br>  C    | <br>           | S        | c        | 1                | [3-WF3                           | 0.51        |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          | <b></b>          |                                  |             |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          |                  |                                  |             |            |
|                   | <b>_</b>   |                 |                                       |   |              |                |            |                |          |          | <u>_,</u>        |                                  |             |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          |                  | <u>.</u>                         |             |            |
|                   |            |                 |                                       |   |              |                |            |                |          | <u> </u> | •••••            |                                  |             |            |
|                   |            |                 | · · · · · · · · · · · · · · · · · · · |   |              |                |            |                |          |          |                  |                                  |             |            |
|                   |            |                 |                                       |   |              | _              |            |                |          |          |                  |                                  | _           |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          | 1.0000 10        |                                  |             |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          |                  |                                  |             |            |
|                   |            | · <del></del> - |                                       |   |              |                |            |                |          |          |                  |                                  |             |            |
|                   |            |                 |                                       |   |              |                |            |                |          |          |                  |                                  |             |            |
| <u></u>           |            |                 |                                       |   |              |                |            |                |          |          |                  |                                  |             |            |
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| DP001EM2-LC<br>09/05/17 11 | L:36            |          |                                      | SAN DIEGO GAS AND<br>D⊇SS - DESIGN REVIEW (  | ELECTRIC<br>COPY - DE | TAI       | L           |              |             |            |                 |                              |             | AGE NO      | 297      |
|----------------------------|-----------------|----------|--------------------------------------|--|-----------------------|-----------|-------------|--------------|-------------|------------|-----------------|------------------------------|-------------|-------------|----------|
|                            |                 |          |                                      | NAME: ROLANDO BLK 7G2                        |                       |           |             |              |             |            |                 |                              |             | 3: 2960     | 0700     |
| DESIGN: 01                 | NAME            | : ROLANI | O BLK 7G2 T&C JOB 1                  | STATU  | S: ACT                |           |             |              |             |            |                 |                              |             |             |          |
| LOCATION: 2                | 261 SHE         |          |                                      | GNED BY: GEORGE BONNER                       |                       |           |             |              |             |            | NE: 999-99      | 99                           | LOCATION    | N 261 (     | OF 587   |
| WRK <br> F-C MU ID         | •               | I I      | DESCRIPTION/                         | CONSTRUCTION NOTES                           | QTY<br>  RQD          | <br>  UM  | WRK<br> RSP | MAT <br> RSP | TIM <br>TRT | ACC<br>TRT |                 | TYPE                         | HOURS       |             |          |
|                            |                 | ÷+       |                                      | FT DEEP AVE                                  |                       |           |             |              |             |            |                 |                              |             |             |          |
|                            | <br> BKF-3'<br> |          | BACKFILL TRENCH 3                    | FOOT DEEP                                    | 26                    | I<br>I FT | <br>  Ç<br> |              | s i         | с          | <br> <br>       | <br> 3-WF3<br> C-BC          |             |             |          |
| I-N <br>                   |                 |          |                                      | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED | <br>  26<br>  2       |           |             |              | -           | •          |                 | <br> 3~WF3<br> C-BH<br> C-DT |             |             | <u> </u> |
| I-N <br>  I-N              |                 |          | 1-3 IN DE CONDUIT<br>CONDUIT DE 3 IN |  |                       | FT<br>FT  | <br>  C<br> | <br>  C      |             |            | <br> 3373.1<br> | <br> 3-WF3<br>               | 0.4 <br>  1 | <del></del> |          |
| I-N                        |                 |          | EXCESS TRENCH SPOI<br>DUMPING FEE    | L (12 IN DEEP)                               |                       |           | • -         | C            |             | +          | <br> <br>       | <b>C-</b> DT<br>             | 0.7         |             |          |
| I-N                        |                 | •        | ASPHALT 2 SAW CUT                    | AND BREAK MECH                               | 26                    | FT        | [ C         |              | S           | С          | 1               | SR3AS                        | 1 0.71      |             |          |
|                            |                 | 1        | ASPHALT BASE MAN<br>ASPHALT (BASE)   | TJAL 18 IN                                   | 26<br>  3             |           |             | C            |             |            | <br> <br>       | I<br>SR4AL                   | 0.8 <br>    |             |          |
| WORK FAI<br>FUNC CODI      | •               |          | EXIST TAG NEW                        | TAG  |                       |           | CONS        | TRUCT        | ION         | NOT        | ES              |                              |             |             |          |

SEE SHT 8

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\_\_\_\_

| ROJECT: 25            | 3560       | TOD: 01     | $DET ( \cdot )$ | TYPE: UD                  | NAME - DO  | LANDO BLK 7G2 - | TOB          | 1            |      |          |            | 5   | STATUS: AC       | T WO                     | RK ORDE      | R: 2960 | 700   |
|-----------------------|------------|-------------|-----------------|---------------------------|------------|-----------------|--------------|--------------|------|----------|------------|-----|------------------|--------------------------|--------------|---------|-------|
|                       | NAME       | : ROLANDO   | BLK 7G2         | T&C JOB 1                 |            | STATUS          | ACT          |              |      |          |            |     |                  |                          |              |         |       |
| OCATION: 2            |            | ET: 01 I    | DISTRICT:       | CM DESI                   | GNED BY: G | EORGE BONNER    |              |              |      |          |            | PHO | NE: 999-99       | 99                       | LOCATIC      | N 262 O | F 581 |
| WRK <br>F-CIMU ID     | <br> AU ID | <br> STOCK# | D               | ESCRIPTION/               | CONSTRUCTI | ON NOTES        | QTY<br>  RQD | UM           | RSP  | RSP      | TRT        | TRT | STANDARD<br>PAGE | TYPE                     | HOURS        |         |       |
| I-N                   | 3'HD-A     | i i         | HAND DI         | G TRENCH 3                | FT DEEP    | AVE             |              | FT           | С    | 1 1      | S          | С   | G7453            | 3-WF3                    |              |         |       |
| I-N <br>              | i          |             | BACKFIL         | L TRENCH 3                | FOOT DEEP  |                 | i 23         |              | С    | İ        | S  <br>    | С   | [                | 3-WF3<br> C-BC           | 0.31         |         |       |
| <br> I-N <br>   <br>  | 1          | i i         |                 | RENCH WITH<br>FILL RECY   |            |                 | 1 2          | FT  <br>  TN |      | ici      |            | С   | G7405<br> <br>   | (3-WF3<br> C-BH<br> C-DT |              |         |       |
| I-N  <br>    -N       | 1          |             | CONDU           | DB CONDUIT<br>VIT DB 3 IN |            | TH              | 23           | FT<br> FT    |      | I C      | S  <br>    |     |                  | 3-WF3                    | i 0.31       |         |       |
| 1–N[                  | R-XCES     | <br> X30007 | EXCESS<br>DUMPI | TRENCH SPOI               | L (12 IN   | DEEP)           | i 23         |              | С    | i<br>i c | s [        | С   | [ - ]            | C-DT                     | 0.61         |         |       |
| I-N                   | AS-2CT     |             |                 | 2 SAW CUT                 | AND BREAF  | ( MECH          |              | FT           |      | i        | S  <br>  1 | С   | 1                |                          | 1 0.61       |         |       |
| I–N]<br>  I–N]<br>    |            | i i         |                 | BASE MEC<br>LT (BASE)     |            |                 | j 23         | FT           | С    |          | [ S        |     | 1                | C-BC                     | 0.61<br>0.61 |         |       |
| WORK FAG<br>FUNC CODI |            |             | EXIST           | TAG NEW                   | TAG        | s               | ee sht 8     |              | CONS | IRUC'    | FION       | NOT | ES               |                          |              |         |       |
|                       |            |             | <b>= = .</b>    | • <b>•••</b> ••           |            |                 |              |              |      |          |            |     |                  |                          |              |         |       |
|                       |            |             |                 |                           |            |                 |              |              |      |          |            |     |                  |                          | ,            |         |       |
|                       |            |             |                 |                           |            |                 | ~~ <u>~</u>  |              |      |          |            |     | . <u>-</u>       |                          |              |         |       |
| <u></u>               |            |             |                 |                           |            |                 |              |              |      |          |            |     |                  |                          | · - ··       |         |       |
|                       |            |             |                 |                           |            |                 |              |              |      |          |            |     |                  |                          |              |         |       |

| ROJECT: 2        |                  |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB         | 1                        |                  |                |             | 5                | STATUS: AC      | T WOF                            | K ORDEI             | R: 2960700  |
|------------------|------------------|-------------------------|--|------------------|--------------------------|------------------|----------------|-------------|------------------|-----------------|----------------------------------|---------------------|-------------|
| ESIGN: 01        | NAME             | : ROLAND                | O BLK 7G2 T&C JOB 1 STATUS   | : ACT            |                          |                  |                |             |                  |                 |                                  |                     |             |
| ODBION.          | 063 CTTT         | em. Δ1                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                  |                          |                  |                |             | PHO              | NE: 999-99      | 99 I                             | OCATIO              | N 263 OF 58 |
|                  | <br> AU ID       | [<br> STOÇK#[           | DESCRIPTION/CONSTRUCTION NOTES   | YTO 1            | 1 1                      | NRX              | i M25 ጣ        | אדיייו      | ACC              | GTANDARD        | CREW  <br> TYPE                  | EST  <br>HOURS      |             |
| -N               | 3'HD-A           | i t                     | HAND DIG TRENCH 3 FT DEEP AVE  | 30               | FT                       | 1 C              | 1              | 5           | C                | G7453           | 3-WF3                            | 11.3                |             |
| ן אריין<br>נ     | i                | 1                       | BACKFILL TRENCH 3 FOOT DEEP  | •                |                          | ]<br>] C<br>]    |                | s           | i c<br>I         | l<br>I          | <br> 3-WF3 <br> C-BC             | 0.5 <br>0.5         |             |
| I<br>I<br>I<br>I | 1                | <br> 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          |                  | <br>  FT<br>  TN<br>     | <br>  C<br> <br> |                | 1<br>1      | i C<br>I<br>I    | G7405<br> <br>  | 3-WF3 <br> C-BH  <br> C-DT       | 0.1 <br>0.1 <br>0.1 |             |
| [<br>[-N]<br>[   | [                | <br> 2496641            | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 1 30             | ET<br>ET                 | I                | 1<br>1<br>1 C  |             | i C              | 3373.1<br>      | <br> 3-WF3[<br>                  | 0.5                 |             |
| -N [<br>[        | R-XCES<br>       |                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 30<br>I 3      | ET<br>CY                 | іс<br>           | 1<br>  C       | <br>  S<br> | <br>  C<br> <br> |                 | IC-DT                            | 0.8                 |             |
| -N               | PLANTU           | i i                     | REMOVE/REPLACE LANDSCAPING   | j 30             | -                        | i c              | 1              |             | i c              | 1               | 3-WF3                            | 3.0                 |             |
| I-N <br> <br>    | )<br>1           | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 12<br>  9<br>  1 | FT<br>  EA<br>  TN       | l<br>I           | i              | S           | C<br> <br>       | G7453<br> <br>  | <br> C-BC  <br> C-BH  <br> 3SWF4 | 0.5 <br>0.5 <br>1.0 |             |
| [-N <br>         | REM-3'           | [X30007                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 12               | FT<br>ICY                | i c              | <br> <br>  c   |             | <br>  C<br>      | <br>            | <br> C-DT  <br>                  | 1.1(                |             |
| <br> -N <br>     | SLR-18<br>       | [656400]                | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     |                  | I FT<br>I CY             | <br>  C<br>      | <br> <br>  C   |             | 1                | G7409<br>       |                                  | 0.1                 |             |
| [-N]             | i1EB3SL          | 249664                  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 39               | FT<br>  FT<br>  CY       | i i              |                | S<br> <br>  | ic<br>I<br>I     | 3376.1<br> <br> | 3-WF3 <br>                       | 0.5                 |             |
| <br> <br> <br>   | 1-3SLB<br> <br>  | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2                | <br>  EA<br>  EA<br>  CY | i                | <br>  C<br>  C | l l         | •                | 3373.2<br>      | 3-WF3 <br>  1<br>  1             | 0.1                 |             |
| -N ]             | lLN-S/U          |                         | TC-LANE CLOSURE URBAN STREET   | 1                | EA                       | l c              | <br>           | S           | l<br>I C         | ]               | <br> TC3                         | 1.0                 |             |
| -N]              | LN/S/S           | i i                     | LANE CLOSURE URBAN ST (STREET REPAIR)  |                  | EA                       | i c              | <br>           | <br>  \$    | l c              | i               | TC4                              | 1.0                 |             |
| -N               | I<br>ISAW-CC     | i i                     | SAW CUT CONCRETE   | 10               | <br>  FT                 | l<br>l c         | 1<br>1         | <br>  \$    | l c              | 1               |                                  | 1 5                 |             |
| -N!              | I<br>CC-MTK<br>I | i i                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          |                  |                          |                  |                |             | <br>  C<br>      |                 | <br> SR3CS <br>                  | 1.0                 |             |

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### CONSTRUCTION NOTES

# SZE SHT 9

| DP001EM2-LO<br>09/05/17 11 | CAL40-00<br>:36       | )1                      | SAN DIEGO GAS AND EI<br>DPSS - DESIGN REVIEW COB   | ECTRIC<br>Y - DE: | TAII             |               |            |             |              |                    |                         | P.                      | AGE NO 300   |
|----------------------------|-----------------------|-------------------------|--|-------------------|------------------|---------------|------------|-------------|--------------|--------------------|-------------------------|-------------------------|--------------|
| PROJECT: 25                | 3568 0                | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1  | &C JOB            | 1                |               |            |             |              | STATUS: AC         | T WÓI                   | RK ORDE                 | R: 2960700   |
| DESIGN: 01                 | NAME :                | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS:  |                   |                  |               |            |             |              |                    | <b>_</b> ,_,_,_,_,      |                         |              |
| LOCATION: 2                | 64 SHEE               | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                  |               |            |             | PHO          | NE: 999-99         | 99 :                    | LOCATIO                 | N 264 OF 587 |
| WRK <br> F-C MU ID         | AU ID                 | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | RQD               | UM               | RSP           | RSP        | TRT         | [ TRT        | STANDARD<br>  PAGE | TYPE                    | HOURS                   |              |
| I-N <br> I-N               | 3'HD-A                |                         | HAND DIG TRENCH 3 FT DEEP AVE  | 1 30              | FT               | c             |            | S           | с            | G7453              | 3-WF3                   | 11.3                    |              |
|                            |                       |                         | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | 1 30              | FT               | с             | <br> <br>[ | I S         | с            | 1                  | (3-WF3<br>(C-BC         | 0.5                     |              |
| I-N  <br>                  | <br>  SHD-12<br> <br> | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | i 30<br>  2       | FT<br>TN         | i c           | i<br>j c   | S           | C            | G7405<br>          | 1C-BH<br> C-DT          | 0.1 <br>  0.1 <br>  0.1 |              |
| 1 [                        | 1                     | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 30                | FT               |               | <br>  C    | S           | l C<br>I     | 3373.1<br>         |                         | 0.5                     |              |
| ]  <br> I-N <br>           | R-XCES                | [X30007]                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 30<br>I 3       |                  | i c<br>I      | İ.         | S           |              | [                  | C-DT                    | 0.81                    |              |
|                            | PLANTU                |                         | REMOVE/REPLACE LANDSCAPING   | •                 |                  | i c           | E          | S           |              | 1                  | 13-WF3                  |                         |              |
| <br> I-N <br>   <br>       | <br>                  | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 9                 | EA<br>TN         | -<br> <br>    | 1 C<br>1 C | S           | ; c<br> <br> | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 0.5 <br>  0.5 <br>  1.0 |              |
| II-N[                      | REM-3 '               | [230001]                | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 12<br>  3         | FT<br>CY         | ÌC.           | <br>  C    | <br>  S<br> | C [          | <br>               | C-DT<br>                | 1-1 <br>  1-1           |              |
| ] [<br> I-N <br>           | SLR-18<br>            | 6564001                 | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 36              | <br> FT          | 1<br>[ C      | <br>       | S<br>       | C<br>        | IG7409             | <br> 3-WF3              | 0.1                     |              |
| 1<br>  1-N  <br>  1        | 1EB3SL<br> <br>       | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 39<br>  39<br>  1 | 1 ምጥ             | 1             | i c        | is          |              | 3376.1<br>         | 13-WF3                  | 1 0.5<br>1              |              |
| I-N <br>                   | 1-3SLB<br> <br>       | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2<br>  2<br>  1   | EA<br> EA<br> CY | C<br> <br>    | 1 C<br>1 C | S<br> <br>  | C<br> <br>   | 3373.2<br> <br>    |                         | 1 1                     |              |
| <br> I-N                   | lLN-S/U               |                         | TC-LANE CLOSURE URBAN STREET   | 1                 | I EA             | I C           | 1          | <br>  S     | C            | 1                  | TC3                     | 1.0                     |              |
| <br> I-N                   |                       | 1                       | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1               | EA               |               | İ.         |             | C            |                    | [TC4                    | 1.0                     |              |
| I-N                        |                       | i i                     | SAW CUT CONCRETE   | i 10              |                  | i c           | ì          | <br>  S<br> | ) C          | i                  | ISR-3C                  | 1 1.5                   |              |
| I-N  <br>  I-N  <br>       | i<br>CC-MTK           | I I                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | i 1               | EA               | l<br>1 C<br>1 | i          | S           | i c          | i                  | SR3CS                   | 1.0 <br>                |              |

WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

# CONSTRUCTION NOTES

| DP001EM2-LO<br>09/05/17 11 |             | 01          |                                   |          |         | PSS - | DESIG            | 50 GAS<br>SN REVI | IEW CO | PY - C | )ET2       |            |      |          |         |      |                  |                 | P        | AGE NO 301   |
|----------------------------|-------------|-------------|-----------------------------------|----------|---------|-------|------------------|-------------------|--------|--------|------------|------------|------|----------|---------|------|------------------|-----------------|----------|--------------|
| PROJECT: 25                |             |             |                                   | TYPE:    |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          | R: 2960700   |
| DESIGN: 01                 |             |             |                                   |          |         |       |                  |                   | CATUS: |        |            |            |      |          |         |      |                  |                 |          |              |
| LOCATION: 2                |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         | PHON | IE: 999-99       | 99 I            | OCATIO   | N 265 OF 587 |
| WRK <br> F-C MU ID         | AU ID       | STOCK#      |                                   |          |         |       |                  |                   |        |        |            |            |      | RSPI     | TRT     | TRT  | STANDARD<br>PAGE | TYPE            | HOURS    |              |
| II-N[                      | 330926<br>  | <br> 162690 | HAND HO<br>  QUAZ                 | DLE 3309 | .2 37"X | < 26" |                  |                   |        | 1      | 11         | EA         | 1    | i<br>C 1 | S  <br> | С    | 3309.2           | 3SWF3 <br>      | 0.81<br> |              |
| ] I-N [<br>]               | (X09H26<br> | 162690      | INSTAL                            |          |         |       |                  |                   |        | i      | 1))<br>1)) | EA  <br>EA | CI   | CI       | SI      | С    | 3309.2           | 1 1             | 0.81<br> |              |
| I-N  <br>                  | 1-35LB<br>  | 322048      | <br>  1-3 IN<br>  BEND<br>  SLURI | CONDUIT  | DB 3 I  | EN 90 | D SLUF<br>D 36 1 | RRY ENC<br>IN R   | 5      | i.     | 4 1        | EA <br>EA  | CI   | Í        | SI      | С    |                  | 3-WF3 <br> <br> | 0.2      |              |
| i i                        | 1           | I           |                                   |          |         |       | i                |                   |        | I.     | E          |            |      | 1        | 1       | I    |                  | 1 1             |          |              |
| WORK FAC<br>FUNC CODE      |             |             | EXIS                              | I TAG    | NEW ŢI  | AG    |                  |                   | C P    | e sht  | Q          | c          | ONST | RUCI     | ION     | NOTE | IS               |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        | 9          |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         | ·     |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         | ·     |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         | -    |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       | ·····            |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |
|                            |             |             |                                   |          |         |       |                  |                   |        |        |            |            |      |          |         |      |                  |                 |          |              |

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|                    |                           |   |   |                             | NAME: ROLANDO                                    |         |                             |                            |                  |      |                 |      |                  |                         |                      |             |
|--------------------|---------------------------|---|---|-----------------------------|--|---------|-----------------------------|----------------------------|------------------|------|-----------------|------|------------------|-------------------------|----------------------|-------------|
|                    |                           | ÉT: 01  | DISTRICT:                                 | CM DESIG                    | GNED BY: GEORGE                                  | BONNER  |                             |                            |                  |      |                 | PHON | VE: 999-99       | 99 1                    | LOCATIC              | DN 266 OF 5 |
| F-CIMU I           | 1<br>D  AU ID             | <br> stock#                                     | D   | ESCRIPTION/C                | CONSTRUCTION NO                                  | DTES    | QTY<br>  RQD                | UM                         | RSP              | RSP  | TRT             | TŔT  | STANDARD<br>PAGE | TYPE                    | HOURS                |             |
| I-N                | AS-2CT                    | 1 1   | ASPHALT                                   | 2 SAW CUT                   | AND BREAK MEC                                    | CH      | -+<br>J 98<br>J             | FT                         | [ C              | [ ]  | [S 1            | С    |                  | ISR3AS                  | 2.5 <br>  1          |             |
| 1-N                | l                         | <br> 114201                                     | ASPHALT<br>ASPHA                          | BASE MECH<br>LT (BASE)      |  |         | j 98                        | FT<br>  TN                 | C<br>            |      | [S <br>         | С    |                  | C-BC                    | 2.6 <br>  2.6        |             |
| I-N <br> <br>      | IBHO3XH<br>I<br>I         | X20201 <br> 114215                              | MACH DI<br>TRAFF<br>ASPHA                 |                             | FT DEEP BACKHO<br>STEEL PLATE<br>X               | DE      | 104<br>  78<br>  1          | FT<br>  EA<br>  TN         | 1 C<br> <br>     |      | S  <br>   <br>  | с    | G7453            | C-BC<br> C-BH<br> 3SWF4 | 4.21<br>4.21<br>8.31 |             |
| I-N <br>           | REM-3 '                   | X30007  | TRENCH<br>DUMPI                           | SPOIL 3 FT<br>NG FEE        | DEPTH  |         | 1 104<br>1 26               | ĒT                         | i C<br>I         |      |                 | С    |                  | <br>  C-DT<br>          | 9.2                  |             |
| 1-N]               | SLR-18<br>                |   | BACKFI1<br>SLURR                          | L SLURRY 18<br>Y MIX, 1 SAG | IN WIDE X 12 I<br>CK SAND                        | IN DEEP | i 312<br>  18               | FT<br>  CY                 | i C              |      | S  <br>         | С    | G7409            |                         |                      |             |
| I-N <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN<br>CONCR<br>CONDU<br>SPACE<br>1 IN | IT DB 3 IN 2                | K (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY |         | 104<br>  2<br>  104<br>  18 | FT<br>  CY<br>  FT<br>  EA | C<br> <br>       |      | S  <br>   <br>  | с    | 3376.1<br> <br>  | <br>                    |                      |             |
| I-NI<br>I          | 1-3SLB<br> <br>           | 322048 <br> 656400                              | 1-3 IN<br>BEND                            |                             | IN R BEND SLURI<br>3 IN 90 D 36 II<br>CK SAND    | NR      | 2<br>  2<br>  1             | EA<br> EA<br> CY           | .[ C<br>.]<br>.] |      | S  <br>   <br>[ | С    | 3373.2<br> <br>  | [3-WF3<br>]<br>]        | 0.1                  |             |
| <br>I–N            | LN-S/U                    |   | TC-LANE                                   | CLOSURE UR                  | BAN STREET                                       |         | 1                           | EA                         | i c              | 1    | <br>  S  <br>   | С    | I                |                         | 1.0                  |             |
| <br>I-N            | 1                         | 1 1   |   |                             | ST (STREET RE                                    |         |                             |                            |                  |      |                 |      |                  |                         |                      |             |
|                    | FAC<br>DDE DESC           |   | EXIST                                     | TAG NEW                     | TAG  |         |                             |                            | CONS             | IRUC | TION            | NOT  | ES               |                         |                      |             |
|                    |                           |   |   |                             |  | SEI     | e sht 9                     |                            |                  |      |                 |      |                  |                         |                      |             |
|                    |                           |   |   |                             |  | <u></u> |                             | <u>.</u>                   |                  |      |                 |      |                  |                         |                      |             |
|                    | ·-···                     |   |   |                             |  |         |                             |                            | <b>-</b>         |      |                 |      |                  |                         |                      |             |
|                    | <b>-</b> • <i>m</i>       |   |   |                             |  |         |                             |                            |                  |      |                 |      |                  |                         |                      |             |

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| 09/05/:           |       | CAL40-0         |                    |                              |                    |                | DPSS            | - DESIG            | o gas ai         | W COPY | - DE   | TAI        |          |         |         |            |            |               | F                  | AGE NO 30  |
|-------------------|-------|-----------------|--------------------|------------------------------|--------------------|----------------|-----------------|--------------------|------------------|--------|--------|------------|----------|---------|---------|------------|------------|---------------|--------------------|------------|
| ROJEC             | T: 25 |                 | JOB:01             | REV:0                        | TYPE:              | UD             | NAME:           | ROLANE             | O BLK 7          | G2 -T8 | C JOB  | 1          |          |         |         |            |            |               |                    | R: 2960700 |
|                   |       |                 | : ROLANI           | O BLK 7G2                    | T&Ç JO             | )B 1           |                 |                    | STA              | TUS: A | ACT    |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    | DISTRICT:                    |                    |                |                 |                    |                  |        |        |            |          |         |         |            | NE: 999-99 |               |                    | N 267 OF 5 |
| F-C[M             | U ID  | (<br>AU ID      | STOCK#             | נם                           | ESCRIPT            | NON/C          | onstru          | CTION N            | IOTES            | 1      | RQD    | UM         | RSP      | RSP     | TIM     | ACC<br>TRT | STANDARD   | CREW<br> TYPE | EST  <br> HOURS    |            |
| I-N[<br>[         |       | 3421-1<br>      | <br> 514240        | PAD 342<br>PAD 1-            | 1 1-PHA            | ASE TR         | ANSFOR          | MER                |                  | 1      | 1<br>1 | EA<br>  EA | C<br>    | <br>  C | SI      | С          | 3421.1     | 3-AF4<br>     | 0.4                |            |
| [<br>] – N [<br>[ |       | <br> x-xf1p<br> |                    | PAD PRE                      | P 3421             | PAD (          | 1-PHAS          | É TRANS            | FORMER)          | 1      |        |            |          |         |         |            | [<br>[<br> | <br> 3swf3    |                    |            |
| I-N[              |       | TGT-₩           | <br> 812816        | TRENCH (<br>WIRE )           | GRD WIR<br>BARE CO | RE W/O<br>PPER | RODS<br>#2-7 S  | (TRANS/<br>TR SOFI | (CAP)<br>C DRAWN |        | 1<br>8 | EA<br>  LB | 1 C<br>1 | <br>  C | S       | С          | 4510.1<br> | 3SWF3<br>     | 0.2                |            |
| I-N <br> <br>     |       | 1-3SLB          | 322048 <br> 656400 | 1-3 IN 1<br>BEND (<br>SLURR) | CONDUIT<br>Y MIX,  | DB 3<br>1 SAC  | IN 90<br>K SAND | D 36 I             | N R              |        | 5<br>5 | EA<br> EA  | ] C<br>] | C       | S  <br> | с          | 3373.2     | 3-WF3<br>     | 0.3 <br>  0.3 <br> |            |
| WORK<br>FUNC      |       |                 |                    | EXIST                        |                    |                |                 |                    |                  |        |        |            | CONS     | IRUC    | TION    | NOT        | <br>Es     |               |                    |            |
| I                 | PD    | PAD             |                    |                              |                    | D218           | 238             |                    |                  | SEE    | SHT 9  |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    |                              |                    |                |                 |                    |                  |        |        |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    |                              |                    |                |                 |                    |                  |        |        |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    |                              |                    |                |                 |                    |                  |        |        |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    |                              |                    |                |                 |                    |                  |        |        |            |          |         |         |            |            |               |                    |            |
|                   |       |                 |                    |                              | -                  |                |                 |                    |                  |        |        |            |          |         |         |            |            |               |                    |            |

| DP001EM2-L0<br>09/05/17 11 | 1:36                 |                         | SAN DIEGO GAS AND EI<br>DPSS - DESIGN REVIEW CO  | PY - DEI          | AII                |               |                 |            | <b>-</b> - |                   |                         |                         | AGE NO 304   |
|----------------------------|----------------------|-------------------------|--|-------------------|--------------------|---------------|-----------------|------------|------------|-------------------|-------------------------|-------------------------|--------------|
| PROJECT: 2                 | 53568                | TOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | C&C JOB           | 1                  |               |                 |            | 5          | STATUS: AC        | T WO                    | RK ORDE                 | R: 2960700   |
| DESIGN: 01                 | NAME :               | ROLAND                  | D BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                    |               |                 |            |            |                   |                         |                         |              |
| LOCATION: 2                | 268 SHEE             | ST: 01 1                | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                    |               |                 |            | PHOI       | NE: 999-99        | 99                      | LOCATIO                 | N 268 OF 587 |
|                            |                      |                         |  | 1 0 7 1           |                    | DATE OF A     | 1/7.ml          | 102230     | 1200       |                   | CDEW                    | 1 201 1                 |              |
| I-N                        | 3'HD-A               |                         | HAND DIG TRENCH 3 FT DEEP AVE  | 24                | FT1                | C 1           |                 | S          | C C        | G7453<br>         | 3-WF3                   | 9.1                     |              |
| I-N                        | Ì                    |                         | BACKFILL TRENCH 3 FOOT DEEP  | [ 24              | FT                 | CI            |                 | S          | (C)        |                   | 3-WE3                   | 0.4                     |              |
| <br> I-N <br>              | SHD-12               | 611492                  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 24                | FT  <br>  TN       | С             | с               | l S<br>I   | C<br> <br> | G7405<br> <br>    | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 | ·            |
| I-N <br>  I-N              | 1                    | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 24                |                    |               | C ·             | s          |            | 3373.1<br>        | 3-WF3<br>               |                         |              |
|                            | R-XCES               | X300071                 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 24              | FT                 | ç             |                 | S          | 1 C        | ]                 | IC-DT                   | 0.61                    |              |
| <br> I-N                   | PLANTU               |                         | REMOVE/REPLACE LANDSCAPING   | 24                | FT                 | С             | · ·             | S          | C          | 1                 | 3-WF3                   | 2.4                     |              |
| <br> I-N                   |                      | i i                     | SAW CUT CONCRETE   | i 10              | FT                 | C             | 1               | Ś          | Ċ          | 1                 | SR-30                   | 1.5                     | <u></u>      |
| I-N                        | <br> CC-WLK<br>      | I I                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | i 1               | EA                 |               | İ               | S          | i c        | i                 | SR3CS                   |                         |              |
| I-N]<br>                   | BH03XH               |                         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 7<br>  6<br>  1   | FT<br>  EA<br>  TN | 1 C<br>1<br>1 | 1 C             | I S        | C<br> <br> | G7453<br> <br>    | C-BC<br> C-BH<br> 3SWF4 | 0.3 <br>  0.3           |              |
| I-N <br>                   | REM-3'               | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 7<br>  2          | FT                 | Ì             | <br>  C         | S<br>      | [ C        | l<br>t            | C-DT                    | i 0.61                  |              |
| <br> I-N <br>              | SLR-18<br>           | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 21<br>  2         | FT<br>  CY         | i c           | i<br>I C        | i s        | i c        | G7409<br>         | 3-WF3                   | i i<br>I i              |              |
| [  <br> I-N <br>   <br>    | 1EB3SL<br> <br>      | 249664<br>656400        | CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND  | 7<br>  7<br>  1   | FT<br>  FT<br>  CY | i c<br> <br>  | 1<br>1 C<br>1 C | S<br> <br> | C<br> <br> | 3376.1<br> <br>   | 3-WF3<br> <br>          |                         |              |
| IN                         | <br> 1-3SLB<br> <br> | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | i 1<br>j 1<br>j 1 | EA<br> ÉA<br> CY   |               | <br>  C<br>  C  | S          | 1 C<br>1   | 13373.2<br>]<br>] | 3-WF3<br> <br>          | 0.1                     |              |
| <br> I-N                   | LN-S/U               | <br>                    | TC-LANE CLOSURE URBAN STREET   | 1                 | EA                 | C             | 1               | ] 5        | C          | 1                 | TC3                     | 1.0                     |              |
| I - N                      | ,                    | 1                       | LANE CLOSURE URBAN ST (STREET REPAIR)  |                   |                    |               |                 |            |            |                   |                         | 1                       |              |

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CONSTRUCTION NOTES

SEE SHT 9

Block 7G2 UUP Attachment E – Technical Specifications

|                   |                 |                         | REV:0 TYPE: UD NAME: ROLANDO BLE  |                |                |                  |                |       |     | STATUS: AC   | T WO                         | RK ORDE                 | R: 2960700  |
|-------------------|-----------------|-------------------------|---|----------------|----------------|------------------|----------------|-------|-----|--------------|------------------------------|-------------------------|-------------|
| ESIGN: 01         |                 |                         | 00 BLK 7G2 T&C JOB 1 s  | TATUS: ACT     |                |                  |                |       |     |              |                              |                         |             |
| OCATION:          | 269 SHE         | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BON  | NER            |                |                  |                |       | PHO | NE: 999-99   | 999                          | LOCATIO                 | N 269 OF 58 |
| WRK <br>F-C MU ID | l<br>IAU ID     | <br> STOCK#             | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD   |                |                  |                |       |     | STANDARD     |                              |                         |             |
| I-N]              |                 | i i                     | HAND DIG TRENCH 3 FT DEEP AVE   | 10             | FΤ             | I C              |                | I S I | С   | IG7453       | 3-WF3                        | 4.1                     |             |
| I-N               |                 | i i                     | BACKFILL TRENCH 3 FOOT DEEP   |                |                | <br>  C<br>      |                | S     | С   | <br>         | 3-WF3<br> C-BC               | 0.2 <br>  0.2 <br>  0.2 | ·           |
|                   | SHD-12<br> <br> |                         | SHADE TRENCH WITH SAND - 12 INCH WIDT<br>SAND, FILL RECYCLED MATLS PREFFERE                           |                | FT<br>  TN     | <br>  C<br> <br> | 1 C 1          |       |     | G7405<br>    | <br> 3-WF3<br> C-BH<br> C-DT |                         |             |
| I-N               | 1DB3-S          | i i                     | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   |                | FT             | C<br>            | с              | SI    |     | 13373.1<br>1 | <br> 3-WF3<br>               | 0-2]<br>  [             |             |
|                   | R-XCES<br>      |                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 10<br>i 1    |                |                  | i c i          | 5     | С   | l I          | <br> C-DT<br> <br>           | 0.31                    |             |
| I-N               | PLANTU          | 1                       | REMOVE/REPLACE LANDSCAPING  | •              |                | i c              |                | S     | с   | t            | 13-WF3                       | 1.01                    |             |
| I-N <br> <br>     | BH03XH<br> <br> | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                 | 1 9            | EA<br>TN       | i                |                |       |     | G7453        | <br> C-BC<br> C-BH<br> 3SWF4 | 0.51                    |             |
| I-N               | REM-3 '         |                         | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 12<br>i 3    | FT<br>CY       | i c              |                | S     |     |              | IC-DT                        | 1.1 <br>                |             |
| I-N               | SLR-18          |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DE<br>SLURRY MIX, 1 SACK SAND                                      | EP   36<br>  3 |                | [ C<br>          |                |       |     | G7409        | 1                            | 0.10<br>1               |             |
| I-N <br>          | 1EB3SL<br> <br> | <br> 249664             | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND           | 38<br>  38     | FT<br>FT<br>CY | C<br> <br>       | C  <br>  C     | S I   | С   | 3376.1       |                              | i 0.5 <br>              |             |
| E-N <br> <br>     | 1-3SLB<br> <br> | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY EN<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2              | EA<br>CY       | i c              |                | [     |     | 3373.2       | 1                            |                         |             |
| I-N               | iln-s/u         |                         | TC-LANE CLOSURE URBAN STREET  |                | EA             |                  |                | S     | с   | ĺ            | <br>  TC3                    |                         |             |
| ⊑-N               | <br> LN/S/S     | i í                     | LANE CLOSURE URBAN ST (STREET REPAIR)   |                | EA.            | с                |                | S     | с   |              | TC4                          |                         |             |
| C−N               | <br> SAW-CC     | i i                     | SAW CUT CONCRETE  |                |                | i c              |                | S     | с   |              |                              | 1.5                     |             |
| I –N  <br>        | <br> CC-WLK<br> | i j                     | CONCRETE SIDEWALK SECTION (5X5) FINIS<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                            | HED   1        | EA<br>CY       | c                | <br>   <br>  C |       | С   |              | SR3CS                        | 1.0                     |             |

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# CONSTRUCTION NOTES

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|                     | 3568            | TOB: 01                 | REV:0                 | TYPE:               |                 |                                 | NDO BLK 7G2         |  |                                       |          |      |              | TATUS: AC        |           | RK ORDER     | R: 2960700                             |
|---------------------|-----------------|-------------------------|-----------------------|---------------------|-----------------|---------------------------------|---------------------|--|---------------------------------------|----------|------|--------------|------------------|-----------|--------------|--|
|                     |                 |                         |                       |                     |                 |                                 | STATUS              |  |                                       | <b>-</b> |      |              |                  |           |              |  |
| SIGN: 01            |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              | 1 270 OF 58                            |
|                     |                 |                         | DISTRICT:             | CM D                | ESIGNE          | D BY: GLO                       | RGE BONNER          |  |                                       |          |      |              |                  |           |              |  |
| RK <br>-CIMU ID     |                 | ISTOCK#1                | D.                    | ESCRIPTI            | ON/CON          | ISTRUCTION                      | NOTES               | ROD  | UM                                    | RSP RSP  | [TRT | TRT]         | STÀNDARD<br>PAGE | TYPE      | HOURS        |  |
| <b>N</b>  <br> <br> | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN CONDU<br>SLURR | EB CONDÚ<br>IT DB 3 | IT SLU<br>IN 20 | JRRY ENCAS<br>FT LENGTH         | ED<br>I             | 120<br>  120                                 | FT<br>FT                              |          | S    |              | 3376.1           | 3-WF3<br> |              | . <u> </u>                             |
| -N  <br>            | 1-3SLB<br>      | 3220481                 | 1-3 IN<br>BEND        | CONDUIT             | DB 3 1          | R BEND SI<br>IN 90 D 36<br>SAND | LURRY ENC<br>5 IN R | 1 2  | EA<br> EA                             |          | I S  | C  <br>      | 3373.2           | 3-WF3     | 0.1 <br>   _ |  |
| ORK FAC<br>UNC CODE | DESC            |                         | EXIST                 | TAG                 | NEW TZ          | •                               |                     | • <b>• •</b> • • • • • • • • • • • • • • • • |                                       | CONSTRUC | TÍON | NOTE         | s                |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 | 5                   | SEE SHT 9                                    |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  | -                                     |          |      | <del>.</del> |                  |           |              | <del></del>                            |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       | <u> </u> |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              | -                | _         |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 | <u>.</u>            |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  | _         |              | - 4 <del>.</del>                       |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              | ····                                   |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              |  |
|                     |                 |                         |                       |                     |                 |                                 |                     |  |                                       |          |      |              |                  |           |              | ······································ |
|                     |                 |                         |                       |                     |                 |                                 |                     |  | · · · · · · · · · · · · · · · · · · · |          |      |              |                  |           |              | ······································ |

| ROJECT:           | 253568          | JOB:01                  | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                           | 2 -T&C JOB          | 1                  |             |                 |                 |                  |                    | CT WOL                       |                            | CR: 2960700  |
|-------------------|-----------------|-------------------------|---|---------------------|--------------------|-------------|-----------------|-----------------|------------------|--------------------|------------------------------|----------------------------|--------------|
|                   | -               | : ROLAND                |   | US: ACT             |                    |             |                 |                 |                  |                    |                              |                            |              |
| OCATION:          | 271 SHE         | ST: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                    |             |                 |                 |                  | NE: 999-99         | 99 1                         | LOCATIC                    | ON 271 OF 58 |
| F-C MU I          | l<br>D JAU ID   | STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES  | RQD                 | UM                 | RSP         | RSP             | TRT             | TRT              | STANDARD<br>  PAGE | TYPE                         | HOURS                      |              |
| I-N]              | IAS-2CT         | I I                     | ASPHALT 2 SAW CUT AND BREAK MECH  | 258                 | FT                 | i c         | i –             | S               | I C              | 1                  | SR3AS                        | [ 6.7]                     |              |
| I-N <br>          | JAB-M18         | <br> 114201             | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 258<br>  28<br>     | FT                 | i c         | <br>  C         | S               | I C              | 1                  | <br> C-BC<br> SR4AL          | 7.0<br>7.0                 |              |
| I-N               | IBHO3XH<br>I    | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 258<br>  194<br>  3 | FT<br>  EA<br>  TN | C<br> <br>  | ן<br>סן<br>סן   | S  <br>         | C<br> <br>       | G7453<br> <br>     | <br> C-BC<br> C-BH<br> 3SWF4 | 10.3 <br>  10.3 <br>  20.6 |              |
| I-N!              | ! REM-3 '       | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                     | FT<br>  CY         | i c.<br>I   | i<br>i c        |                 | i c<br>I         | <br>               | <br> C-DT<br>                | [ 22.7]                    |              |
| -N [              | SLR-18<br>      | <br> 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 1 774<br>1 44       | FT<br>  CY         | i c<br>I    | i<br>i c        | S               | I C              | G7409<br>          | 1                            | 1.5 <br>                   |              |
| I-N[<br>[         | 1EB3SL<br> <br> | 249664]<br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND               | ] 218<br>] 5        | FT<br>  FT<br>  CY | C<br> <br>  | 1<br>1 C<br>1 C | S  <br>]  <br>] | C<br>[<br>[      | 3376.1<br> <br>    | 1<br>13-WF3<br>1             | 3.1 <br>                   |              |
| [<br>-N <br>[     | 1-3SLS<br>      | 322144]                 | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 4<br>  4<br>  1     | EA<br>  EA<br>  CÝ | U<br>1<br>1 | U<br>  U        | S  <br>         | ,<br>,<br>,<br>, | 3373.2<br> <br>    | 1                            | 0.71                       |              |
| -N <br> <br>      | 1-3SLB<br> <br> | <br> 322048 <br>!656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND    |                     | EA<br> CY          | U [         | יט<br>שו        | S               | C I              | 3373.2<br> <br>    | 1                            | 0.1                        |              |
| -N                | IN-S/U          |                         | TC-LANE CLOSURE URBAN STREET  | 1                   | ļEA                | C           |                 | S               | C                | ĺ                  |                              | 1.0                        |              |
| -N ]              | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                   |                    | i C         | i               | S               | с                | I                  | TC4                          |                            |              |
| <br> -N <br> <br> | 1               | <br> 114215             | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX   | 1<br>  1            | FT<br>  TN         | l i         | i<br>I C        |                 | с                | 1                  | TC4                          | 1                          |              |
| -N!               | <br> XING/S     |                         | TRAFFIC COND. (XING LANE) STREET REPAIR   |                     |                    | 1           |                 | 1 3             |                  |                    |                              | 0.1                        |              |
|                   | AC<br>DE DESC   |                         | EXIST TAG NEW TAG   | - mit               |                    | CONS        | TRUC:           | FION            | NOT              |                    |                              |                            |              |
|                   |                 |                         |   | SEE SHT 9           |                    |             |                 |                 |                  |                    |                              |                            |              |

| 9/05/17 1            | L1:36            |                                | SAN DIEGO GAS AND E.<br>DPSS - DESIGN REVIÊW CO.   | PY - DET          | IIAIL              |            |                 |                   |              |                    |                              |                         |             |
|----------------------|------------------|--------------------------------|--|-------------------|--------------------|------------|-----------------|-------------------|--------------|--------------------|------------------------------|-------------------------|-------------|
| ROJECT: 2            | 253568 3         | IOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | LEC JOR           | 1                  |            |                 |                   | ع<br>ع       | STATUS: AC         | T WOR                        | K ORDE                  | R: 2960700  |
| ESIGN: 0             | 1. NAME:         | ROLAND                         | D BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                    |            |                 |                   |              |                    |                              |                         |             |
| CATION:              | 272 SHE          | ST: 01 I                       | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                    |            |                 |                   |              | NE: 999-99         |                              |                         | N 272 OF 58 |
|                      |                  |                                |  | 1 0 00 10 1       |                    | TATE OF A  | MAT<br>RSP      | TIM               | ACC<br>TRT   | STANDARD<br>  PAGE | CREW<br> TYPE                | EST  <br>HOURS          |             |
| L – N [              | 13'HD-A          |                                | HAND DIG TRENCH 3 FT DEEP AVE  | 1 24              | FTTI               | C          |                 | 5                 | C            | G/453              | 13-013                       | 9.11                    |             |
| <br>I-N <br>1        | i .              |                                | BACKFILL TRENCH 3 FOOT DEEP  | 24                | FT                 | ci         |                 | S                 | C            | [<br>]<br>]        | 3-WF3<br>(C-BC               | 0.4                     |             |
| 1<br>1-N <br> <br>   | SHD-12           | <br> 611492                    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 24                | <br>  FT  <br>  TN | C I        | С               | S<br> <br>        | C<br> <br>   | G7405<br> <br>     | 3-WF3<br> C-BH<br> C-DT      | 0.1 <br>0.1 <br>0.1     |             |
| I-NI<br>1            | Ì                | <br> <br> 249664 <br>          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1 24              | FT                 | 1          | с               |                   | і С<br>1     | 3373.1<br>         |                              | 1 0.41<br>1 1           |             |
|                      | R-XCES           | <br> x30007                    | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 24                | FT  <br>  CY       | C          | С               | S                 | i C          | Ì                  | 1                            | 1 1                     |             |
| I-N                  | PLANTU           |                                | REMOVE/REPLACE LANDSCAPING   |                   |                    |            |                 | 5                 |              | 1                  | 3-WE3                        |                         |             |
| <br>[-n              |                  | 1                              | SAW CUT CONCRETE   | 1 10              | FT                 | CI         |                 | l S               | 1 C          | 1                  |                              | 1.5                     |             |
| I-N                  | 1                | 1<br> 2482051                  | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | 1                 | EA                 |            | ~               | IS                | i c          | <br>               |                              | i 1.0 <br>              |             |
| I-N <br> <br>        | BH03XH<br> <br>] | [TI#513]                       | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  |                   | EA<br> TN          |            | C<br>C          | 5<br> <br>        | C<br> <br>   | G/455<br> <br>     | С-ВС<br> С-ВН<br> З\$WF4<br> | 0.3 <br>  0.3 <br>  0.6 |             |
| I-N]<br>1            | REM-3*           | X300071                        | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | j 7               | FT                 | ici        |                 | S                 | Ċ            | 1                  |                              | 0.6                     |             |
| I–N <br>[            | SLR-18           | 656400                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 21                | FT<br> CY          |            | 1<br>  C        | \$<br>            | [ C<br>[     | G7409<br>          |                              | i [<br>[ ]              |             |
| 1-N <br> <br>        | 1EB3SL<br> <br>  | <br> 249664 <br> 656400        | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 49<br>  49<br>  1 | FT<br>  FT<br>  CY | C<br> <br> |                 | S<br> <br>[<br>]  | 1 C<br> <br> | 3376.1<br>1        | 3-WF3<br> <br> <br>          | 0.7                     |             |
| <br>I — N  <br> <br> | 1-3SLB<br> <br>  | <br>   <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | IEA<br>IEA<br>ICY  | C          | ,<br>  C<br>  C | ;<br>  5<br> <br> |              | 3373.2             | 3-WF3                        | 0.10                    |             |
| i<br>1-N             | <br> LN-S/U      |                                | TC-LANE CLOSURE URBAN STREET<br>LANE CLOSURE URBAN ST (STREET REPAIR)                                  | 1 1               | EA                 | l C        |                 | s                 | i c          | 1                  | TC3                          | 1 1.0                   |             |
| <br>I-N1             | <br> LN/S/S      |                                | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                 | EA                 | 1 C        |                 | I S               | C            | 1                  | ] TC4                        | 1.0                     |             |

Work FAC FUNC CODE DESC

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EXIST TAG NEW TAG

### CONSTRUCTION NOTES

| DP001EM2-L0<br>09/05/17 11 | :36        |              |                         |          |           | DPSS -   | DESIG   | ) GAS AN<br>N REVIEW | COPY   | - DEC      | TAI          |            |            |         |            |                                     |                | Ē               | AGE NO 309   |
|----------------------------|------------|--------------|-------------------------|----------|-----------|----------|---------|----------------------|--------|------------|--------------|------------|------------|---------|------------|-------------------------------------|----------------|-----------------|--------------|
| PROJECT: 25                |            | JOB:01       | REV:0                   | TYPE:    | UD :      | NAME: 1  | ROLAND  | O BLK 7G             | 2 -T&  | с јов      | 1            |            |            |         | :          | STATUS: AG                          |                |                 | R: 2960700   |
| DESIGN: 01                 | NAME       | : ROLANE     | O BLK 7G2               | 2 T&C JO | рв 1      |          |         | STAT                 | UŞ: A  | CT         |              |            |            |         |            |                                     |                |                 |              |
| LOCATION: 2                | 73 SHE     | ET: 01       | DISTRICT:               | CM       | DESIG     | NED BY:  | GEORGI  | E BONNER             |        |            |              |            |            |         | PHO        | NE: 999-99                          | 999 :          | LOCATIC         | N 273 OF 587 |
| WRK<br>F-CIMU ID           | <br> AU ID | <br> STOCK#  | Ĩ                       | DESCRIPI | rion/c    | ONSTRUC  | TION NO | OTES                 | ]<br>] | QTY<br>RQD | UM           | WRK<br>RSP | MAT<br>RSP | TIM!    | ACC<br>TRT | ISTANDARD                           | CREW<br>  TYPE | EST  <br> HOURS |              |
| 1 I-N                      | 330926     |              | HAND HO<br>QUAZI        | DLE 3309 | 9.2 37    | "X 26" : | X 26"   |                      | 1      | 1<br>1     | EA <br>  EA  |            | с          | S  <br> | с          | 3309.2<br>                          | 3SWF3<br>      | 0.8 <br>        |              |
| [I-N]                      | X09H26<br> | [<br> 162690 | INSTALI<br>QUAZI        | E EXCAVA | ATION/H   | REMOVE   |         |                      | E<br>[ | 1<br>1     | EA<br>EA     |            | С          | t       | С          | 3309.2                              | 1              | 0.81            |              |
| I-N <br>                   | 1-3SLB<br> | 1322048      | 1-3 IN<br>BEND<br>SLURE | CONDUIT  | CDB3      | IN 90 1  | D 36 II | RY ENC<br>N R        |        | 3<br>3     | EA  <br>] EA |            | с          | I S I   | с          | 3373.2<br>                          | İ              | 0.2             |              |
|                            | 1          | 1  <br>E     | REMOVE/                 | REPLACE  | E LAND    | SCAPING  |         |                      | i      |            | 1            |            |            | Í       |            |                                     | i              | i I             |              |
| WORK FAC<br>FUNC CODE      |            |              | EXISI                   | TAG      | NEW '     | IAG      |         |                      | SEE :  | SHT 9      |              | CONST      | RUC        | CION    | NOTI       | ES                                  |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              | ··                      |          |           |          |         |                      |        |            |              |            |            |         |            |                                     | _ ·            |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          | •       |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              | <del>,</del>            |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            | · · · · · · · · · · · · · · · · · · |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     | ·              |                 |              |
|                            |            |              | ·······.                |          | · · · · · |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            | ,            |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |
|                            |            |              |                         |          |           |          |         |                      |        |            |              |            |            |         |            |                                     |                |                 |              |

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| DP001EM2-<br>09/05/17 | LOCAL40-001<br>11:36           | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP  | ECTRIC            | TAIL               |              |                 |              |            |                    |                           |                      | AGE NO 310   |
|-----------------------|--------------------------------|---|-------------------|--------------------|--------------|-----------------|--------------|------------|--------------------|---------------------------|----------------------|--------------|
| PROJECT:              | 253568 JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1   | €C JOB            | 1                  |              |                 |              | 5          | STATUS: AC         | T WOE                     | RK ORDE              | R: 2960700   |
| DESIGN: 0             | 1 NAME: ROLAN                  | DO BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                    |              |                 |              |            |                    |                           |                      |              |
| LOCATION:             | 274 SHEET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |              |                 |              | PHO        | NE: 999-99         | 99 1                      | LOCATIO              | N 274 OF 587 |
| WRK <br> F-C MU I     | D AU ID STOCK#                 | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD      | <br>  MU           | WRK  <br>RSP | MAT<br>RSP      | TIM          | ACC<br>TRT | STANDARD<br>  PAGE | CREW                      | EST  <br> HOURS      | <b></b>      |
| (I_N                  | 13'HD-A                        | HAND DIG TRENCH 3 FT DEEP AVE   | 18                | FT                 | ci           |                 | S            | с          | G7453              | 3-WF3                     | 7.01                 |              |
| [<br> I-N <br>        |                                | HAND DIG TRENCH 3 FT DEEP AVE<br> <br>  BACKFILL TRENCH 3 FOOT DEEP<br>                         | 1 18              |                    | C I          |                 | S            | с          | •<br>]<br>         | 3-WF3                     | 1 0.31<br>  0.31     |              |
| <br>  I-N <br>        | <br> SHD-12 <br>   611492<br>! | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br>       | 1                 | ITN                |              | С               | ŝ            | С          | G7405<br> <br>[    | 3-WF3<br>  C-BH<br>  C-DT | 0.10<br>0.10<br>0.10 |              |
| <br> I-N <br>         | 249664                         | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | i 18              |                    |              | с               |              | i c        | 13373.1            | 13-WF3                    |                      |              |
| ]<br> I-N <br>[       | X30007                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE   | 18<br>  2         | FT <br> CY         | c            | с               | S<br>        | i C<br>I   | 1                  | C-DT<br>                  | 0.5                  |              |
| II-NI                 |                                | REMOVE/REPLACE LANDSCAPING  | 1 18              | FT                 | с            |                 | S            | l C        | 1                  | 3-WF3                     | 1.8                  | <u> </u>     |
| <br>  I-N  <br>       | X20201                         | <br>  MACH DIG TRENCH 3 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX | 1 12              | יידעו              |              |                 |              |            | G7453              | 1C-BC                     | 1 1.7                |              |
| 1-N <br>  1-          | 1 [X30007                      | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 42<br>  11        | FT <br> CY         | С            | <br> <br>  C    | S            |            | <br>[<br>]<br>]    | C-DT                      | 1 1                  |              |
| I-N <br>  I-N         | 1656400                        | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>  SLURRY MIX, 1 SACK SAND                            | 126<br>  8        | FT<br> CY          | I C          | l<br>I C        | [ S<br>]     | C<br>      | G7409<br>          | 3-₩F3                     | i 0.3 <br>           |              |
|                       | 1  249664                      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND     | 42<br>  42<br>  1 | FT<br>  FT<br>  CY | C<br> <br>   | <br>  C<br>  C  | S<br> <br>   | C<br> <br> | 3376.1<br> <br>    | 3-₩F3                     | 0.61                 |              |
| I-N <br>  I-N         | 1-3SLB <br>   322048           | 1 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R                   | 1 2<br>  2<br>  1 | EA<br> EA<br> CY   |              | i<br>[ C<br>] C | 1            | C<br> <br> | 3373.2<br> <br>    |                           |                      |              |
| <br>  I-N             |                                | TC-LANE CLOSURE URBAN STREET  | i 1               | EA                 | i c          |                 |              |            |                    | TC3                       | i 1.01               |              |
| <br> I-N              |                                | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   | 1 1               |                    | i C          |                 |              |            | 1                  | TC4                       | 1<br>1 1.0 <br>      |              |
| 1-N;                  |                                | I SAW CUT CONCRETE  | j 10              | FT                 | <br>  C      | i –             | l<br>I S     | i c        | i                  | SR-30                     |                      | ·            |
| <br> I-N <br>         | <br> CC-WLK <br>   248205      | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                   | 1                 | EA                 | C            |                 | 1<br>] S<br> | l C        | l                  | SR3CS                     |                      | l            |

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### CONSTRUCTION NOTES
| K 7G2 T4C JOB 1 STATUS<br>RICT: CM DESIGNED BY: GEORGE BONNER<br>DESCRIPTION/CONSTRUCTION NOTES<br>PHALT 2 SAW CUT AND BREAK MECH<br>PHALT BASE MECH 24 IN<br>ASPHALT (BASE)<br>CH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STELL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH<br>DUMPING FEE | 5: ACT<br>  QTY  <br>  RQD  U<br>  RQD  U<br>  70  F<br>  3  T<br>  70  F<br>  70  F<br>  70  E<br>  70  E<br>  1  T<br>  1   | IWRF<br>MIRSE<br>TIC<br>TIC<br>NI<br>TIC<br>TIC   | ( MAT <br> RSP <br>   <br>   <br>   | TIM   AC  | C   STANDARD<br>T   PAGE<br>  | CREW   | EST  <br> HOURS <br> 1.8 <br> 1.9  | 1 275 OF 58 |
|---|---|---|---|---|---|--|--|-------------|
| RICT: CM DESIGNED BY: GEORGE BONNER<br>DESCRIPTION/CONSTRUCTION NOTES<br>PHALT 2 SAW CUT AND BREAK MECH<br>PHALT BASE MECH 24 IN<br>ASPHALT (BASE)<br>CH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH  | QTY  <br>  RQD  U<br>  70 F<br>  1<br>  70 F<br>  3:T<br>  1<br>  70 F<br>  70 E<br>  1 T   | MIRSE<br>TIC<br>TIC<br>NI<br>TIC<br>XI<br>TIC   | PIRSPI  | TIM AC<br>TRT TP<br>S   C<br> <br>S   C<br> <br>S   C   | C   STANDARD<br>T   PAGE<br>  | CREW  <br>  TYPE  <br>  SR3AS  <br>     <br>  SR-3A  | EST  <br> HOURS <br> 1.8 <br> 1.9  | 1 275 OF 58 |
| PHALT 2 SAW CUT AND BREAK MECH<br>PHALT BASE MECH 24 IN<br>ASPHALT (BASE)<br>CH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH   | RQD  U<br>  70 F<br>  1<br>  70 F<br>  3 T<br>  3 T<br>  1<br>  70 F<br>  70 E<br>  1 T   | MIRSE<br>TIC<br>TIC<br>NI<br>TIC<br>XI<br>TIC   | PIRSPI  | TRT   TF<br>  | T   PAGE<br>-+  | TYPE  <br>  SR3AS  <br>  | HOURS<br>1.8<br>1.9  |             |
| PHALT BASE MECH 24 IN<br>ASPHALT (BASE)<br>CH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH   | 70]F<br>1 70]F<br>1 3]T<br>1 70]F<br>1 70]F<br>1 70]F<br>1 70]F<br>1 70]F<br>1 1T   | TIC<br>TIC<br>NI<br>TIC<br>AI   | <br>   <br>  c  <br>  | s   c<br> <br> <br> <br>  |   | SR3AS  <br> <br>  SR-3A  | 1.8 <br>   |             |
| ASPHALT (BASE)<br>CH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH  | 70]F<br>  3]T<br>  1<br>  70]F<br>  70]E<br>[ 1]T<br>  1  | TIC<br>NI<br>I<br>TIC<br>AI   | <br>  C  <br>   | s i c   |   | SR-3A  | 1.9  |             |
| TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX<br>ENCH SPOIL 4 FT DEPTH   | 70 F<br>  70 E<br>[ 1 T<br>   | T C<br>AI   |   |   |   |  |  |             |
|   |   |   | ici   | Ì   | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4  | 3.51   |             |
|   | 2410  | T] C<br>Y   |   | s i c   |   | [<br>[CDT<br>[   | 8.4  |             |
| CKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 210 F<br>  16 C   | TI C<br>YI  | i i   | Í   | G7409   | <br> 3-WF3<br>   |  |             |
| E IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 100 4 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER  | [ 2 C<br>  70 F<br>  12 E<br>[ 12 E   | TIC<br>YI<br>TI<br>AI   |   |   | <br> <br>   |  |  |             |
| -LANE CLOSURE URBAN STREET  | 1 E   | AIC   |   | SIC   | i i   | TC3  |  |             |
| NE CLOSURE URBAN ST (STREET REPAIR)   |   | •   |   |   |   | -  | 1.0  |             |
| EXIST TAG NEW TAG   | SEE SHT 9   | CONS  | TRUCT   | ION NO  | TES   |  |  |             |
|   | CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 100 4 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER<br>-LANE CLOSURE URBAN STREET<br>NE CLOSURE URBAN ST (STREET REPAIR)<br> | IN EB CONDUIT CONC ENC       70 F         CONCRETE - 2 SACK (GRAVEL MIX)       2 C         CONDUIT DB 100 4 IN 20 FT LENGTH       70 F         SPACER INTERMEDIATE 5 IN 2-WAY       12 I         1 IN BASE SPACER       12 I         -LANE CLOSURE URBAN STREET       1 I         NE CLOSURE URBAN ST (STREET REPAIR)       1 I | IN EB CONDUIT CONC ENC       70 FT C         CONCRETE - 2 SACK (GRAVEL MIX)       2 CY         CONDUIT DB 100 4 IN 20 FT LENGTH       70 FT C         SPACER INTERMEDIATE 5 IN 2-WAY       12 EA         1 IN BASE SPACER       12 EA         -LANE CLOSURE URBAN STREET       1 IEA         NE CLOSURE URBAN ST (STREET REPAIR)       1 IEA         EXIST TAG       NEW TAG       CONS | IN EB CONDUIT CONC ENC       70 FT C I         CONCRETE - 2 SACK (GRAVEL MIX)       2 CY I C I         CONDUIT DB 100 4 IN 20 FT LENGTH       70 FT I C I         SPACER INTERMEDIATE 5 IN 2-WAY       12 ISAI I C I         I IN BASE SPACER       12 IEAI I C I         -LANE CLOSURE URBAN STREET       1 IEAI C I         INE CLOSURE URBAN ST (STREET REPAIR)       1 IEAI C I         EXIST TAG       NEW TAG       CONSTRUCT | IN EB CONDUIT CONC ENC       70 FT C   S C         CONCRETE - 2 SACK (GRAVEL MIX)       2 CY   C   S         CONDUIT DB 100 4 IN 20 FT LENGTH       70 FT   C   S         SPACER INTERMEDIATE 5 IN 2-WAY       12 SA  C   S         1 IN BASE SPACER       12 IEA  C   S         -LANE CLOSURE URBAN STREET       1 IEA  C   S   C         NE CLOSURE URBAN ST (STREET REPAIR)       1 IEA  C   S   C         EXIST TAG       NEW TAG       CONSTRUCTION NO | IN EB CONDUIT CONC ENC       70 FT C   S C 3376.1         CONCRETE - 2 SACK (GRAVEL MIX)       2 CY   C   I         CONDUIT DB 100 4 IN 20 FT LENGTH       70 FT   C   I         SPACER INTERMEDIATE 5 IN 2-WAY       12 EA  C   I         1 IN BASE SPACER       12 EA  C   I         -LANE CLOSURE URBAN STREET       1 EA  C   I         NE CLOSURE URBAN ST (STREET REPAIR)       1 IEA  C   I         EXIST TAG       NEW TAG | IN EB CONDUIT CONC ENC       70 FT C   S C 3376.1       3-WF3         CONCRETE - 2 SACK (GRAVEL MIX)       2 CY   C                 1         CONDUIT DB 100 4 IN 20 FT LENGTH       70 FT   C     C             1         SPACER INTERMEDIATE 5 IN 2-WAY       12 ISA    C             1         1 IN BASE SPACER       12 IEA    C             1         -LANE CLOSURE URBAN STREET       1 IEA  C   S   C   ITC3         NE CLOSURE URBAN ST (STREET REPAIR)       1 IEA  C   S   C   ITC4         EXIST TAG       NEW TAG       CONSTRUCTION NOTES |             |

| ROJECT:                             | 253568                                    | J(                                | OB:01  | REV:0 TYPE: UD  | NAME: ROLANDO BLK 7G                       | 2 -T&C JOB            | 1<br>                           |                       |                           | ~               |                | STATUS: AC                | WOF  | CK ORDE:                                     | R: 2960700 |
|-------------------------------------|---|-----------------------------------|--------|---|--|-----------------------|---------------------------------|-----------------------|---------------------------|-----------------|----------------|---------------------------|--|--|------------|
| SIGN:                               | 01 NA                                     | ME:                               | ROLANI | O BLK 7G2 T&C JOB 1   |  | US: ACT               |                                 |                       |                           |                 |                |                           |  |  |            |
| CATION                              |   |                                   |        |   | IGNED BY: GEORGE BONNER                    | <b></b>               |                                 |                       |                           |                 | PHON           | NE: 999-99                | 99 I   | LOCATIO                                      | N 276 OF 5 |
| -C MU                               | I UAU I                                   | D ] 2                             | STOCK# | DESCRIPTION   | /CONSTRUCTION NOTES                        | RQD                   | U                               | IIRSI                 | PIRSP                     | TRT             | TRT            | STANDARD<br>  PAGE        | TYPE   | HOURS  |            |
| [-N                                 | IAS-1                                     | CT                                | I      |   | T AND BREAK MECH                           | 1                     | F                               | c c                   | Ì                         | S               | C C            | •                         | SR3AS  |  |            |
| [<br>-N TCL<br> <br> <br> <br> <br> | <br>5SL (EXF<br> <br> <br> <br> <br> <br> | L)  <br>[<br> <br> <br> <br> <br> |        | 3315 TC SLURRY BACK   | FILL INSTALL COMPLETE                      | 1<br>1<br>1<br>1<br>1 | <br> E#<br> <br> <br> <br> <br> | L<br>[<br>]<br>]<br>] | <br> <br> <br>!<br>!<br>] | S<br> <br> <br> | 1 C I          | 3315_3<br> <br> <br> <br> | C-BH<br> C-DT<br> SR3CS<br> BOOMT<br> 3-AF4<br> 0-BC<br> 3-T2L | 3.0 <br>3.3 <br>1.5 <br>4.8 <br>3.0 <br>0.2[ |            |
| <br> <br> <br>                      | <br> C/P1                                 | :<br>5H                           | 248205 | ADJUST HH TO GRAD<br>CONCRETE - 6 SA<br>COLD PATCH AND CL<br>ASPHALT (COLD PA | EAN-UP 3315 HH                             | 1<br>  1<br>  2       | C]<br> E7                       | ri<br>Al C            | - C<br>- C<br>- C         | <br> <br>       | E<br>1<br>1    | [<br>5                    |  |  |            |
| 1<br> <br> <br>                     | I SHOP                                    | <br> -H                           | x30007 | SPOIL FROM 3315 H<br>DUMPING FEE<br>SHORING PRIMARY H<br>SHORING MATERIA      | ANDHOLES                                   | 11<br>  1             |                                 | ()<br>4) C            |                           | 1               | <br> <br> <br> | <br> <br> <br> 3315.4     |  |  | <u> </u>   |
| <br> <br> <br>                      | 1157                                      |                                   | 601600 | ROCK, DRY, 3/8"   | RECYCLED MATLS PREFFER                     | 2ED   1               | l)Tì<br>LEZ                     | AL C                  |                           |                 | E<br>I<br>1    | <br> <br> <br> 3315       |  |  |            |
| <br> <br> <br>                      | [ RED5                                    | 5 <b>-</b> 41                     | 573384 | CONDUIT BELL REDU<br>  CONDUIT BELL RE  | CER DE 5 IN TO 4 IN<br>EDUCER 5 IN TO 4 IN |                       | 5   E2                          |                       | i c                       | 1 5             | <br>  C<br>    | 3373.2<br>                |  |  |            |
| [−N <br>                            | RED4                                      | -3                                | 573380 | CONDUIT BELL REDU   | CER DB 4 IN TO 3 IN<br>DUCER 4 IN TO 3 IN  |                       | 2   E2<br>2   E2                | 7 <br>7 <br>7  C      | C                         | S<br>           |                | [3373.2<br>[              | <br> <br>  | <br>[ ]<br>[ ]<br>]                          |            |
|                                     | LN-S                                      | ייס/א                             |        | TC-LANE CLOSURE U   | RBAN STREET                                | j 1                   | LEZ                             | έċ                    |                           | S               | ¢              | 1                         | TC3  | 1.0  |            |
| <br>[-N]                            | <br>  ln/s                                | ا<br>s/si                         |        | I LANE CLOSURE URBA   | N ST (STREET REPAIR)                       | ]                     | ιİΈ                             | Ϋ́C                   |                           | <u>¦ s</u>      | i c            | 1                         | TC4  | 1.0  |            |
| FUNC C                              |   | ISC                               |        | EXIST TAG NÉ  | w TAG                                      |                       |                                 | CON                   | STRUČ                     | TION            | NÒT            | ES                        |  |  |            |
| I                                   | PH PI                                     | RI H                              | ANDHOL | e H1  | .31540                                     | SEE SHT 9             | 9                               |                       |                           |                 |                |                           |  |  |            |

|                    |                      |  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G   |                                   |                                      |  |                |              | ;        | STATUS: AC                | T WO                         |                          | R: 2960700  |
|--------------------|----------------------|--|---|-----------------------------------|--------------------------------------|--|----------------|--------------|----------|---------------------------|------------------------------|--------------------------|-------------|
| ESIGN: 01          | NAME                 | : ROLANE                                   |   | US: ACT                           |                                      |  |                |              |          |                           |                              |                          |             |
|                    |                      |  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                                   |                                      |  |                |              | PHO      | NE: 999-99                | 999                          | LOCATIO                  | N 277 OF 58 |
| F-C!MU ID          | !<br>[AU ID          | STOCK#                                     | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD                      | U                                    | IRS                                    | KIMAT<br>PIRSP | TIM<br> TRT  | ACC      | STANDARD<br>PAGE          | CREW                         | EST  <br> HOURS          |             |
| I-N [              |                      | l I  | ASPHALT 2 SAW CUT AND BREAK MECH  | 1 10                              | B ET                                 | ri c                                   |                | ; s          | . –      | •                         |                              | 2.81                     |             |
| I-N[<br>[          | AB-M24               | <br> 114201                                | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)   |                                   | 8   F1<br>4   T1                     | ri c                                   | i              | ]<br>  S<br> | i C<br>I | [                         | <br> SR-3A<br>               | 2.9 <br>                 |             |
| Z-N  <br> <br>     |                      | <br> X20201 <br> 114215                    | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     |                                   | 5   E2<br>2   T1                     | A<br>I<br>I<br>I                       | i c<br>i c     |              | •        | G7453<br> <br>            | <br> C-BC<br> C-BH<br> 3SWF4 | 5.8 <br>  5.8 <br>  11.5 |             |
| É-N  <br>          | REM-4                | X30007                                     | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE  | 111                               | 0103                                 | LI C                                   |                |              | c        | Ì                         |                              | 13.8 <br>  13.8          |             |
| I-N                | SLR-24<br>           | 656400                                     | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 3                                 | 6   C3                               | ri c<br>ri                             | i c            | ĺ            | i        | [                         | ſ                            | <br>  1.4 <br>           |             |
| I-N <br> <br> <br> | 1EB4IN<br> <br> <br> | 248201 <br> 249710 <br> 663528 <br> 663530 | 1-4 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)  | 7:<br>  :<br>  7:<br>  1:<br>  1: | 2   CY<br>2   F7<br>3   E#<br>3   E# | E C<br>E C<br>E [<br>E [<br>A [<br>A ] |                | S<br> <br>   |          | <br> 3376.1<br> <br> <br> | Í.                           |                          |             |
| :-N <br> <br>      | 1-3SLS<br> <br>      | 322144 <br> 656400                         | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | i i                               | <br>4 E7<br>4 E7<br>1 C3             | A<br>A<br>I                            | ן<br>ט<br>ט    | i<br>I       |          |                           | <br> 3-WF3<br> <br>          | 1                        |             |
| с—мі<br>[          | 1-3SLB<br> <br>      | 322048 <br> 656400                         | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND    |                                   | L   EF                               | z j                                    | U<br>U         | S  <br> <br> |          | 3373.2                    | 1                            | [ 0.1]<br>[ ]            | <u>.</u>    |
| -N                 | iln-s/u              |  | TC-LANE CLOSURE URBAN STREET  |                                   |                                      | AI C                                   |                | 15           | с        | ĺ                         | <br> TC3                     | 1.01                     |             |
| -N                 | <br> LN/S/S<br>      | i i  | LANE CLOSURE URBAN ST (STREET REPAIR)   |                                   |                                      | AI C                                   |                | 5            | с        | T                         |                              | 1.0                      |             |
| <br> -N            | XING/S               | E İ  | TRAFFIC COND. (XING LANE) STREET REPAIR   |                                   | l<br>LIFI                            |  |                | S            | с        |                           | TC4                          | <br>  0.1 _              |             |
| -N                 |                      | <br> 114215                                | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX   | i i                               | I I TN                               |  | i c            |              |          |                           |                              | 0.1                      |             |
| 1<br>[-N]          | SAW-CC               |  | SAW CUT CONCRETE  | j I(                              | -                                    | ci c                                   |                | S            | с        |                           | <br>  SR-3C                  | 1.5                      |             |
| 1<br>[_N[<br>      | <br> CC-WLK          | i i  | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                             | i :                               |                                      | √i c                                   |                | SI           | с        |                           | <br>  \$R3CS<br>             | 1 0                      |             |

## CONSTRUCTION NOTES

## SEE SHT 5,9

| 09/05/17 11 | :36             | 1                       | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW  | COPY - DE'                          | IAII                    |                    |            |                 |                   |                    |                   |                |                |
|-------------|-----------------|-------------------------|--|-------------------------------------|-------------------------|--------------------|------------|-----------------|-------------------|--------------------|-------------------|----------------|----------------|
| ROJECT: 25  | 3568 3          | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                            | 1                       |                    |            |                 | <u>.</u>          | STATUS: AC         | T WOR             | K ORDE         | R: 2960700     |
| ESIGN: 01   | NAME :          | ROLANE                  | O BLK 7G2 T&C JOB 1 STATU  | S: ACT                              |                         |                    |            |                 |                   |                    |                   |                |                |
| OCATION: 2  | 78 SHEE         | ST: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                     |                         |                    |            |                 | PHOI              | VE: 999-99         | 99 I              | OCATIC         | ON 278 OF 58   |
|             |                 |                         | DESCRIPTION/CONSTRUCTION NOTES   | 1 QTY<br>  RQD                      | <br>  UM                | WRK<br>RSP         | MAT<br>RSP | TIM<br>TRT      | ACC<br>TRT        | STANDARD<br>  PAGE | CREW  <br> TYPE   | EST  <br>HOURS |                |
|             |                 |                         |  |                                     |                         |                    |            |                 |                   |                    |                   |                |                |
| 1-N <br>    | <br> AB-M24<br> | <br>   <br> 114201      | ASPHALT 2 SAW CUT AND BREAK MECH<br>ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | 1. 188                              | FT<br>TN                | c                  | c .        | S               | i C .<br>1        | L<br>[<br>]        | SR-3A1            | 5.1            |                |
| I-N <br>    | [BH04XH<br>]    | <br> X20201 <br> 114215 | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 201                                 | EA                      |                    |            | 5               |                   | <br> <br>          | C-BH  <br> 3\$WF4 | 10.1           |                |
| I-NI        | 1               | <br>  X30007            | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | <br>  201<br>  69                   | CY                      | I                  |            | <br>  S<br>     | 1 C               |                    | IC-DTI            | 1              |                |
| I           | 1               | <br> 656400             | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 603<br>  45                         | FT<br>CY                | i ¢<br>I           | C          | S               | C<br>             | G7409<br>          |                   | 1.8            |                |
| I-N         | 1EB3IN<br> <br> | 248201                  | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 201<br>  4<br>  201<br>  34<br>  34 | FT<br> CY<br> FT<br> EA | [ C<br>[<br>]<br>] |            | S<br> <br> <br> | 1 C<br> <br> <br> | 3376.1<br>1<br>1   |                   | 2.8            | <br> <br> <br> |
| I-N <br>[   | 1-35LS<br> <br> | <br> 322144<br> 656400  | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | 4<br>  4<br>  1                     | EA<br>  EA<br>  CY      | U<br> <br>         | <br>  U    | S<br> <br>      | I C<br>I          | 3373.2<br> <br>    | 3-WF3             | [ 0.7]<br>]    | 1              |
|             | 1               | I<br>1322048            | <br>  1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DB 3 IN 90 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND                                   |                                     | EA<br> EA<br> CY        |                    | i Ū        | S               | l C               | 3373.2             | 3-WF3             | 0.1            |                |
| <br>I-N[    | iln-s/u         |                         | <br>  TC-LANE CLOSURE URBAN STREET   | í 1                                 | EA                      |                    | <br>       | 5               | 1 C               | <br> <br> <br>]    | TC3               | 1 1.0          | 1              |
| I-N!        | <br> LN/S/S     | [<br>                   | (<br>  LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                                   |                         | i c                | i          | S               | i c               | 1                  | 1 TC 4            | 1.0            | 1              |
| <br>I-N     |                 | 1                       | TRAFFIC COND. (XING LANE) STREET REPAIR  | i 1                                 | FT                      | ic                 | i          | is              | l c               |                    | 1<br> TC4         |                |                |
| I-N[        | 1               | <br> 114215             | TC-TRAFFIC CONDITIONS STREET CROSSINGS   | i 1                                 | FT                      | [                  | i<br>  c   | i S<br>I        | i C<br>1          | 1                  |                   | 0.1            | ]<br>          |
| I-N]        |                 |                         | SAW CUT CONCRETE   | i 10                                | FT                      | I C                | i i        | 5               | C                 | 1                  |                   | j 1.5          | 1              |
| I-N         | I<br>CC-MTR     | 1<br> <br> 248205       | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | י<br>נן<br>נן                       | IEA                     | i c                | 1<br>  C   | S<br>           | c c               | <br> <br>          | SR3CS             | 1.0            | 1              |

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CONSTRUCTION NOTES

## SEE SHT 5

|                   |                 |                    | REV:0 TYPE: UD                           |   |                       |                    |              |           |              |            |                  |                          |              | R: 2960700  |
|-------------------|-----------------|--------------------|--|---|-----------------------|--------------------|--------------|-----------|--------------|------------|------------------|--------------------------|--------------|-------------|
| SIGN: 01          | NAME            | : ROLAND           | O BLK 7G2 T&C JOB 1                      | <br>:                                     | STATUS: ACT           |                    |              |           |              |            | <b>-</b>         |                          |              |             |
| CATION: 2         | 79 SHE          | ET: 01             | DISTRICT: CM DESIG                       |   |                       |                    |              |           |              |            | Æ: 999-99        |                          | OCATIO       | N 279 OF 58 |
| VRK <br>T-C MU ID | <br> AU ID      | \$TOCK#            |  | CONSTRUCTION NOTES                        | RQD                   | ] UM               | RSP          | RSPI      | TIM <br>TRT  | ACC<br>TRT | STANDARD<br>PAGE | CREW  <br>TYPE           | HOURS        |             |
| [-N               |                 | 1 1                | HAND DIG TRENCH 3                        |   | ,<br>  15             | FT                 | CI           | 1         | S            | С          | G7453            | 3-WF3                    | 5.91         |             |
| [-N]              | BKF-3'          | i i<br>i i         | BACKFILL TRENCH 3 )                      | FOOT DEEP                                 | 15                    | FT                 | CI           | Ì         | S  <br>      | С          |                  | <br> 3-WF3 <br> C-BC     | 0.21<br>0.21 |             |
| L-N               | <br>            | (<br>(611492)<br>( | SHADE TRENCH WITH S<br>SAND, FILL RECYC  | SAND - 12 INCH WID<br>CLED MATLS PREFFERE | TH   15<br>ED   1<br> | FT  <br>  TN  <br> | C  <br> <br> | сi        | S  <br> <br> | С          | G7405            | C-BH  <br> C-DT          |              |             |
| [-N               | <br> 1DB3-S<br> | <br> 249664        | 1-3 IN DB CONDUIT :<br>CONDUIT DB 3 IN 2 | SEC<br>20 FT LENGTH                       | 15<br>  15            | FT  <br>  FT       | C  <br>      | c I       | s  <br>      | C          | 3373.1           |                          | 0.2          |             |
| L−N  <br>1        | ] R-XCES<br>]   | 1 1                | EXCESS TRENCH SPOID<br>DUMPING FEE       | L (12 IN DEEP)                            | 15<br>  2             | FT <br> CY         | C  <br>      | <br> <br> | S I          | CI         |                  | TD-DT  <br>  TD-DT  <br> | 0.4          |             |
| (-N)              | i plantu        | i i                | REMOVE/REPLACE LANI                      | DSCAPING                                  | 15                    | FT                 | C            | 1         | SI           | CI         |                  | 3-WF3                    | 1.5          |             |
| -N                |                 | i i                | TC-LANE CLOSURE UR                       | BAN STREET                                | ] 1                   | EA                 | CI           | 1         | S            | CI         |                  | <br> TC3                 | 1.0          |             |
|                   | ,<br>[ĽŃ/S/S    |                    | LANE CLOSURE URBAN                       | ST (STREET REPAIR)                        |                       |                    |              |           |              |            |                  | ]  <br> TC4              | •            |             |
| NORK FAC          |                 |                    | EXIST TAG NEW                            | ŢAG                                       | SEE SHT 5             |                    | ONST         | RUC'I     |              |            | IS               |                          |              |             |
|                   |                 |                    |  |   |                       |                    |              |           |              |            |                  |                          |              |             |
|                   |                 |                    |  |   |                       |                    |              | ·         |              |            |                  |                          |              |             |
|                   |                 |                    |  |   |                       |                    |              |           |              |            |                  |                          |              |             |
|                   |                 |                    |  |   |                       | _                  |              |           |              |            |                  |                          |              |             |
|                   |                 |                    |  |   |                       |                    |              |           |              |            |                  |                          |              |             |
|                   |                 |                    | ·······                                  |   |                       |                    |              |           |              |            |                  |                          |              |             |
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| PROJECT: 253568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 762 -T4C JOB 1       STATUS: ACT         DESIGN: 01       NAME: ROLANDO BLK 762 T4C JOB 1       STATUS: ACT       HONE: 999-999       LOCATION 2         LOCATION: 280       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-999       LOCATION 2         WRK        I       I       ISTRUS: ACT       PHONE: 999-999       LOCATION 2         WRK        I       ISTRUS: ACT       PHONE: 999-9999       LOCATION 2         WRK        I       ISTRUS: ACT       PHONE: 999-999       LOCATION 2         WRK        I       ISTRUS: ACT       PHONE: 999-999       LOCATION 2         WRK        I       ISTRUS: ACT       PS0-9999       LOCATION 2         IP-CMU ID /AU ID /STOCK#!       DESCRIPTION/CONSTRUCTION NOTES       I QTY   WRK MAT ITM ACCISTANDARD [CREW   EST  <br>ROD [UMRSP RSPIRTITET]       PAGE [TYPE   HOURS]         II-N        IACATIP / PAD 3421 1-PHASE TRANSFORMER       I IEAI C       I C       I SIZUA21.1       I JAP4   0.4          II-N        IX-KFIP       PAD PREP 3421 PAD (1-PHASE TRANSFORMER)       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C       I IEAI C<   | DP001EM2-LC<br>09/05/17 11 |             | 01                      |   | SAN DIEGO<br>DPSS - DESIGN                | GAS AND ELEC<br>REVIEW COPY |             |                    |              |              |             |            |   |           | P               | AGE 1 |
|---|----------------------------|-------------|-------------------------|---|---|-----------------------------|-------------|--------------------|--------------|--------------|-------------|------------|---|-----------|-----------------|-------|
| DESIGN: 01       NAME: ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT         LOCATION: 280       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATION 2         IWRK       I       I       I       ICCATION: 280       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATION 2         IWRK       I       I       ISTOCK#I       DESCRIPTION/CONSTRUCTION NOTES       I QTY   WRK MAT ITM ACC  STANDARD  CREW  EST           IF-CIMU ID       ID       AUD ID       STATUS: ACT       I QTY   WRK MAT ITM ACC  STANDARD  CREW  EST           IF-CIMU ID       ID       ID ISTOCK#I       DESCRIPTION/CONSTRUCTION NOTES       I QTY   WRK MAT ITM ACC  STANDARD  CREW  EST           IF-CIMU ID       AUD 1-PHASE TRANSFORMER       I IEQU  DM IRSP RSPIENTINT <i page="" td=""  hours <=""  type="">         II-N       1542401       PAD 1-PHASE TRANSFORMER)       I IEAI C       I S C  3421.1       ISAF4   0.4          II-N       IX-XFIP       PAD PREP 3421 PAD (1-PHASE TRANSFORMER)       I IEAI C       I S C   135WF3   0.2        IIEAI C       I S C   135WF3   0.2          II-N       ITG-T-W        TRENCH GRD WIRE W/O RODS (TRANS/CAP)       I IEAI C       I S C   3373.2   3-WF3   0.1        IIEAI C       I S C   3373.2   3-WF3   0.1          II-N       11-2SLBI</i>  |                            |             |                         | REV:0 TYPE: U   | D NAME: ROLANDO                           | BLK 7G2 -T&C                | JOB         | 1                  |              |              |             | 5          | STATUS: AC                              | T WO      | RK ORDE         | R: 29 |
| LOCATION: 280 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATION 2         IWRK        I       I       ISTRICT: CM DESCRIPTION/CONSTRUCTION NOTES       I QTY I WRK MATITIM ACCISTANDARD CREW EST I ROD IUMIRSP RSPITTITRI PAGE       ICCATION 2         IWRK        I       ISTOCK#I       DESCRIPTION/CONSTRUCTION NOTES       I QTY I WRK MATITIM ACCISTANDARD CREW EST I ROD IUMIRSP RSPITTITRI PAGE       ITYPE HOURS         II-N       ISTACK#I       PAD 3421 1-PHASE TRANSPORMER       I LEAI C I S I C I 3421.1       I 3-AF4I 0.41         II-N       IX-XFIP       PAD PREP 3421 PAD (1-PHASE TRANSPORMER)       I LEAI C I S I C I 320813 0.41       IIIEAI C I S I C I 320813 0.41         II-N       ITG-T-WI       TRENCH GRD WIRE W/O RODS (TRANS/CAP)       I LEAI C I S I C I 3373.2       I SWF3 0.21         II-N       II-2SLB       I -2 IN DB 90 D 36 IN R BEND SLURRY ENC       I LEAI C I S I C I 3373.2       I SWF3 0.11         II-N       II-2SLB       I -2 IN DB 90 D 36 IN R BEND SLURRY ENC       I LEAI C I S I C I 3373.2       I SWF3 0.11         II-N       II-2SLB       I -2 IN DB 90 D 36 IN R BEND SLURRY ENC       I LEAI C I S I C I 3373.2       I SWF3 0.11         II-N       II-2SLB       I -2 IN DB 90 D 36 IN R BEND SLURRY ENC       I LEAI C I S I C I 3373.2       I SWF3 0.11         II-N       II-2SLB       I -4 IN DB 100 90 D 36   | DESIGN: 01                 |             |                         | O BLK 7G2 T&C JOB                                       | 1   | STATUS: AC                  | T           |                    |              |              |             |            |   |           |                 |       |
| WRK       Image: Second state of the state | LOCATION: 2                |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 | N 28  |
| I-N       3421-11       PAD 3421 1-PHASE TRANSFORMER       1  EA  C       S   C   3421.1       3-AF4       0.4         I-N        514240       PAD 1-PHASE XFMR / 3-PHASE F.C. 3421       1  EA  C       S   C   3421.1       3-AF4       0.4         II-N        X-XF1P        PAD PREP 3421 PAD (1-PHASE TRANSFORMER)       1  EA  C       S   C   35   C   35WF3       0.4         II-N       ITG-T-W       TRENCH GRD WIRE W/O RODS (TRANS/CAP)       1  EA  C       S   C   4510.1       3SWF3       0.2         II-N       ITG-T-W       TRENCH GRD WIRE W/O RODS (TRANS/CAP)       1  EA  C       S   C   4510.1       3SWF3       0.2         II-N       1-2SLB       1-2 IN DB 90 D 36 IN R BEND SLURRY ENC       1  EA  C       S   C   3373.2       3-WF3       0.1         II-N       1-2SLB       1-2 IN DB 90 D 36 IN R BEND SLURRY ENC       1  EA  C       S   C   3373.2       3-WF3       0.1         II-N       2-4SLB       2-4 IN DB 90 D 36 IN R BEND SLURRY ENC       1  EA  C       I       1       1         II-N       2-4SLB       2-4 IN DB 90 D 36 IN R BEND       1  EA  C       S   C   3373.2       3-WF3       0.1         II-N       2-4SLB       2-4 IN DB 100 90 D 36 IN R BEND       1  EA  C       S   C   3373.2       3-WF3       0.1      <  | WRK <br> F-C MU ID         | )<br> AU ID | STOCK#[                 | DESCRIPTIC  | N/CONSTRUCTION NOT                        | ES I                        | ROD         | UMU                | RSP          | MAT  <br>RSP | TIM         | ACC        | STANDARD<br>PAGE                        | CREW      | EST  <br> HOURS |       |
| I-N       X-XF1P       PAD PREP 3421 PAD (1-PHASE TRANSFORMER)       1 1EA C I S C I 33WF3 0.4         I-N       TG-T-W       TRENCH GRD WIRE W/O RODS (TRANS/CAP)       1 1EA C I S C 4510.1 33WF3 0.2         I-N       812816       WIRE BARE COPPER #2-7 STR SOFT DRAWN       81LB I C I S C 3373.2 3-WF3 0.1         I-N       1-2 IN DB 90 D 36 IN R BEND SLURRY ENC       1 1EA C I S C 3373.2 3-WF3 0.1         I-N       321812       BEND CONDUIT DB 2 IN 90 D 36 IN R       1 1EA C I S C 3373.2 3-WF3 0.1         I-N       656400       SLURRY MIX, 1 SACK SAND       1 1EA C I S C 3373.2 3-WF3 0.1         I-N       2-4 IN DB 90 D 36 IN R BEND SLURRY ENC       1 1EA C I S C 3373.2 3-WF3 0.1   | I-N  <br>                  | 3421-1<br>  | <br> 514240             | PAD 3421 1-PHASE<br>PAD 1-PHASE XE                      | TRANSFORMER                               | 3421                        | 1<br>1      | EA <br> EA         | с.<br>і      | С            | S           | C<br>      | 3421.1                                  | 3-ÀF4<br> | 0.4 <br>        |       |
| I-NI       TG-T-WI       TRENCH GRD WIRE W/O RODS (TRANS/CAP)       1 <td< td=""><td>I-N</td><td>X-XF1P</td><td>i i</td><td></td><td>AD (1-PHASE TRANSFO</td><td>•</td><td>1</td><td>IEAL</td><td>сi</td><td></td><td>SI</td><td>C ]</td><td>i i</td><td>3SWF3</td><td>0.4</td><td></td></td<>  | I-N                        | X-XF1P      | i i                     |   | AD (1-PHASE TRANSFO                       | •                           | 1           | IEAL               | сi           |              | SI          | C ]        | i i                                     | 3SWF3     | 0.4             |       |
| II-N       1-2 IN DB 90 D 36 IN R BEND SLURRY ENC       11EA C S C 3373.2       3-WF3 0.1          I       321812       BEND CONDUIT DB 2 IN 90 D 36 IN R       11EA C S C S C 3373.2       1-WF3 0.1          I       ISSUERY MIX, 1 SACK SAND       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ISSUERY ENC       11EA C S C SURRY ISSUERY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC         I-NI       12-4SLB S SUERY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC       11EA C S C SURRY ISSUERY ENC         I       13220821       4 IN DB 100 90 D 36 IN R BEND       12EA C S C SURRY ISSUERY ISSUERY ENC       11EA C S S C SURRY ISSUERY ENC       11EA C S S C SURRY ISSUERY ENC       11EA C S S C SURRY ISSUERY ENC         I       13220821       4 IN DB 100 90 D 36 IN R BEND       12EA C S S C SURRY ISSUERY ENC       11EA C S S C SURRY ISSUERY ENC       11EA C S S C SURRY ISSUERY ISSUERY ENC         I       13220821       4 IN DB 100 90 D 36 IN R BEND       12EA C S SUERY ISSUERY ENC       11EA C S S C SUERY ISSUERY ENC       11EA C S S SUERY ISSUERY ISSUERY ENC       11EA C S SUERY ISSUERY ENC       11EA C S SUERY ISSUERY ISSUERY ENC       11EA C S SUERY ISSUERY ENC       11EA C S SUERY ISSUERY ENC       11EA C S SUERY ISSUERY ENC       11EA C S SUERY ISSUERY ENC       11E  | I-N                        | TG-T-W      | <br> 812816             | WIRE BARE COPI  | W/O RODS (TRANS/CA<br>PER #2-7 STR SOFT [ | AP)  <br>DRAWN              | 1<br>8      | EA <br> LB]        | C  <br>[     | c            | S '<br>     | C<br>      | 4510.1<br>                              | I3SWE3    | 1 0.2           |       |
| I-N        2-4 SLB        2-4 IN DB 90 D 36 IN R BEND SLURRY ENC       1 EAI C   S   C   3373.2 I 3-WF3 0.1         I       13220821       4 IN DB 100 90 D 36 IN R BEND       2 EAI   C   I       1         I       16564001       SLURRY MIX, 1 SACK SAND       1 C   I C   I       1         WORK       FAC       FUNC CODE       DESC       EXIST TAG       NEW TAG       CONSTRUCTION NOTES  | I I-N                      | 1-2SLB      | <br> 321812 <br> 656400 | 1-2 IN DB 90 D 3<br>  BEND CONDUIT I<br>  SLURRY MIX, 1 | DB 2 IN 90 D 36 IN                        | R (                         | 1<br>1<br>1 | EA <br> EA <br> CY | C ]<br> <br> | c<br>c       | 15<br> <br> | C<br> <br> | 3373.2<br> <br>[                        | 1         | <br>            |       |
| FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES   | I-N                        | 2-4SLB      | 322082                  | 2-4 IN DB 90 D 3<br>4 IN DB 100 90                      | D 36 IN R BEND                            | renc 1<br> <br>             | 1<br>2      | EA <br> EA         | CI           | с            | l S<br>I    | C<br>      | 3373,2<br>                              | 13-WF3    | i 0.1           |       |
|   |                            |             |                         | <b></b>   |   |                             |             |                    |              |              | TION        | NOT        |   |           |                 |       |
| I PD PAD D218236 SEE SHT 5  |                            |             |                         |   |   |                             |             |                    | 01431        | NUC          | 1100        | NO L       | 5 C C C C C C C C C C C C C C C C C C C |           |                 |       |
|   | I P                        | D PAD       |                         | [<br>   | 0218236                                   | SEE S                       | SHT 5       |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              | _           |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         | ··  |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   | . <u></u>                  |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         | <b></b>   | <del>v</del>                              |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             | -                       |   | - <u> </u>                                |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              |             |            |   | -         |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              |              |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             |             |                    |              | -            |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             | _           |                    | _            | _            |             |            |   |           |                 |       |
|   |                            |             |                         |   |   |                             | _           |                    |              |              |             |            |   |           |                 |       |

| 09/05/17 11:           |                           |                                   |  |   |  |                           | AN DIE(<br>- DESI(   |   |       |           | DET                             |                                    |     |          |                 |                 |                      |           | I               | PAGE NO  | 317   |
|------------------------|---------------------------|-----------------------------------|--|---|--|---------------------------|----------------------|---|-------|-----------|---------------------------------|------------------------------------|-----|----------|-----------------|-----------------|----------------------|-----------|-----------------|----------|-------|
| ROJECT: 253            | 3568                      |                                   |  | TYPE:                                       | : UD                                   | NAME:                     |                      |   |       |           |                                 | 1                                  |     |          |                 |                 | STATUS: AC           |           |                 |          |       |
| ESIGN: 01              | NAME                      | : ROLANI                          |  | 2 T&C JO                                    | OB 1                                   |                           |                      | S | TATUS | : ACI     | 2                               |                                    |     |          |                 |                 |                      |           |                 |          |       |
| CATION: 28             |                           |                                   | DISTRICT                                       |   | DESIG                                  | NED BY                    | : GEOR               |   |       |           |                                 |                                    |     |          |                 |                 | NE: 999-99           |           |                 | ON 281 0 | F 587 |
| WRK <br>F-C MU ID<br>+ | AU ID                     | STOCK#                            |  |   |  |                           |                      |   |       | F         | QD 1                            | UΜ                                 | RSP | RSP      | TRT             | TRT             |                      | TYPE      | HOURS           |          |       |
| I-N <br> <br> <br>     | 1EB3IN<br> <br> <br> <br> | <br> 248201<br> 249664<br> 663528 | 1-3 IN<br>  CONC<br>  COND<br>  SPAC<br>  1 IN | EB CONI<br>RETE - 2<br>UIT DB 3<br>ER INTER | DUIT CO<br>2 SACK<br>3 IN 20<br>RMEDIA | ONC EN<br>(GRAV<br>0 FT L | C<br>EL MIX<br>ENGTH | ) |       | <br> <br> | 350 <br>7 <br>350 <br>59 <br>59 | FT  <br>CY  <br>FT  <br>EA  <br>EA | С   |          | S<br> <br> <br> | C<br> <br> <br> | 3376.1<br> <br> <br> | 3-WF3<br> | 1 4.9<br>1<br>1 |          |       |
| ⊑−N  <br>              | 1-3SLB<br> <br>           | <br> 322048<br> 656400            | 1-3 IN   | CONDUIT<br>RY MIX,                          | T DB 3<br>1 SACI                       | IN 90<br>K SAND           | D 36                 |   | C     |           | 1)<br>1)                        | EA <br>EA                          | С   | i<br>I C | S               |                 | 3373.2<br>           | 3-WF3<br> | j 0.1           |          |       |
| IORK FAC               |                           |                                   |  |   |  |                           |                      |   |       |           |                                 | с                                  | ONS | IRUC'    | TION            | NOT             | ES                   |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           | <b></b>              |   |       | EE SH     |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       |           |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       | •         |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       |           |                                 |                                    |     |          | ,               |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       |           |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           | ·                    |   |       |           |                                 |                                    |     |          |                 |                 |                      |           |                 | ·        |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       |           |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |
|                        |                           |                                   |  |   |  |                           |                      |   |       |           |                                 |                                    |     |          |                 |                 |                      |           |                 |          |       |

| OJECT: 25                | 53568 3              | TOB:01             | REV:0 TYPE: UD NAME: ROLANDO BL  | K 7G2 -T&C JO   | B 1               |                 |        |            | 2          | STATUS: AC       | T WO                      | RK ORDEN                    | R: 2960700  |
|--------------------------|----------------------|--------------------|--|-----------------|-------------------|-----------------|--------|------------|------------|------------------|---------------------------|-----------------------------|-------------|
|                          |                      |                    |  |                 |                   |                 |        |            |            |                  |                           |                             |             |
| CATION: 2                | 282 SHEE             | T: 01              | DISTRICT: CM DESIGNED BY: GEORGE BC  | NNER            |                   |                 |        |            |            | VE: 999-99       |                           |                             | N 282 OF 58 |
| RK <br>~~C MELTD         |                      | <br>STOCK#1        | DESCRIPTION/CONSTRUCTION NOTES   | QTÝ<br>  ROD    | ្យ                | MIRSE           | RSP    | TRT        | TRT        | STANDARD         | TYPE                      | HOURS                       |             |
| -N                       | 3'HD-A               | Í                  | HAND DIG TRENCH 3 FT DEEP AVE  | 2               | 5   F             | T[ C            | l      | S          | C          | G7453            | 3-WF3                     | 9.5                         |             |
| N                        | BKF-3'               |                    | BACKFILL TRENCH 3 FOOT DEEP  | 2               | 5   F             |                 | i      | S          | c          |                  | 3-WF3<br> C-BC            |                             |             |
| :-N <br> <br>            | 1                    | 6114921            | SHADE TRENCH WITH SAND - 12 INCH WIL<br>SAND, FILL RECYCLED MATLS PREFFER                            | ED  <br>        | 2   T.<br>        | N  <br>]        | 1 C    | S          |            | G7405<br>        | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>  0.1 <br>  0.1     |             |
| <br>  [<br>              | <br> 1DB3-S<br> <br> | 249664             | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 2               |                   | тİ              | l<br>c | S<br>      | l C        | 3373.1           | 3-WF3                     | [ [<br>[ 0.4]<br>] [<br>] 1 |             |
| -N                       | R-XCES               | X30007             | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 2<br>1        | 5   F             | TI C            | İ      | S          | i c        | 1                | IC-DT                     | i 0.61                      |             |
| - <b>N</b>               | <br> CC-2CT          | i i                | CONCRETE 2 SAW CUT AND BREAK MECH  | 2               |                   | TIC             | 1      | 15         | C<br>      |                  | SR3AS                     |                             |             |
| -N                       |                      | i i                | FINISH CONCRETE SURFACE MAN 12 IN  | 1 2             |                   | T  C            | 1      | s          | í C        |                  | SR3CS                     | 0.1                         |             |
| -N[<br> <br>             | 1                    | X20201             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                |                 | 5 F<br>4 E<br>1 T | TIC<br>AI<br>NI |        | S<br> <br> | C<br> <br> | (G7453<br> <br>  | C-BC<br>  C-BH<br>  3SWF4 | 0.21<br>0.21<br>0.41        |             |
| <br>[-N]                 |                      | X300071            | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1               | 5 F               | vi              | İ      | S          | C          | 1                | C-DT                      | i i                         |             |
| ]<br>N                   | 1                    | <br> 656400        | BACKFILL SLURRY 18 IN WIDE X 12 IN I<br>SLURRY MIX, 1 SACK SAND                                      | )EEP   1<br>.   | .5 F<br>1 C       | T  C            | 1 C    | 5          | l C<br>l   | G7409<br>        | 4                         | i i<br>L L                  |             |
| l<br>  <b>N</b><br> <br> | 1EB3SL<br> <br>      |                    | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND          | 5<br>  5<br>  5 | 51F<br>51F<br>21C | TIC<br>TI<br>YI |        | S          |            | 3376.1<br>[      |                           | i 0.81                      |             |
| -N <br>                  | 1-3SLB<br> <br>      | 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY H<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | ENC I           | 1 E<br>1 C        | AIC<br>AI<br>YI |        | S<br> <br> | C<br> <br> | 3373.2<br> <br>  | 1                         |                             |             |
| <br>[-N                  | LN-S/U               |                    | TC-LANE CLOSURE URBAN STREET   | l               | 1   E             |                 | 1      | l S        | l C        | L                | I TC3                     |                             |             |
| <br>[-]]                 | <br> LN/S/S          |                    | LANE CLOSURE URBAN ST (STREET REPAIR   | R) [            |                   |                 |        |            |            | <br> <br><b></b> |                           |                             |             |
| NORK FA                  |                      |                    | EXIST TAG NEW TAG  |                 |                   |                 | STRUC  |            |            |                  |                           |                             |             |

Block 7G2 UUP Attachment E – Technical Specifications 473 | Page

| 9705717 11        | :36             |                         | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW (  | COPY - DE           | TAI                | L            |             |              |              |                    |                                  |                   |             |
|-------------------|-----------------|-------------------------|--|---------------------|--------------------|--------------|-------------|--------------|--------------|--------------------|----------------------------------|-------------------|-------------|
| ROJECT: 25        | 3568            | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB            | 1                  |              |             |              |              | STATUS: AC         | T WO                             | RK ORDE           | R: 2960700  |
| ESIGN: 01         | NAME            | , ROLAND                | O BLK 7G2 T&C JOB 1 STATUS   |                     |                    |              |             |              |              |                    |                                  |                   | <b></b> _   |
| OCATION: 2        | 83 SHEI         | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                    |              |             |              | PHO          | NE: 999-99         | 99                               | LOCATIO           | N 283 OF 58 |
| WRX <br>F-C[MU ID | <br> AU ID      | i<br> STOCK#[           | DESCRIPTION/CONSTRUCTION NOTES   | I QTY<br>I RQD      | <br>  UM           | WRK<br>  RSP | MAT<br> RSP | TIM<br>  TRT | ACC<br>  TRT | STANDARD<br>  PAGE | CREW                             | EST  <br> HOURS   |             |
| I-N               | 3'HD-A          | <br>  [                 | HAND DIG TRENCH 3 FT DEEP AVE  | [ 7                 | FT                 | 1 C          | +<br>       | [ S          | , C          | G7453              | 3-WF3                            | 3.01              |             |
| 1-N <br>          | BKF-3'          | 1 I<br>1 I              | BACKFILL TRENCH 3 FOOT DEEP  | 7                   | ] FT<br>]          | l C          | I           | [ S          | C            |                    | [3-WF3                           | 0.10              |             |
| I-N <br> <br>     | 1               | <br> 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 7<br>  1<br>        | 1                  | [ C<br> <br> | <br>  C     | S<br> <br>   | C<br> <br>   | G7405<br> <br>     | 3-WF3<br>  C-BH<br>  C-DT        | 1 [<br>1 [<br>1 [ |             |
| I-N               | 1DB3-S          |                         | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | <br>  7<br>  7      | <b>FT</b><br>  FT  | ι<br>[ C     | <br>        | <br>  S<br>  | <br>  C<br>  | <br> 3373.1<br>    | 3-WF3                            | <br>  0.1 <br>    |             |
| I-N <br>          | R-XCES<br>      | 1 1                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 7<br>  1            | FT<br>CY           | i c          | i           | s            | ,<br>c       | <br> <br> <br>     | C-DT                             | 0.2               |             |
| I-N               | plantu          | i i                     | REMOVE/REPLACE LANDSCAPING   |                     | l<br>FT            | l c          |             | S            | C            | ]                  | 3-WF3                            | 0.7               |             |
| I-N]              | 1               | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 4                   | EA<br>  TN         | i            | 1 C<br>1 C  | S<br> <br>   |              | G7453<br>          | <br> C-BC<br> C-BH<br> 3SWF4<br> | 0.2               |             |
| I-N]              | ]REM-3'<br>!    | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 5<br>i 2          | CY                 | іс<br>І      | C           | S            |              | 1                  | C-DT<br>                         | 0.4 <br>          |             |
| 1-N  <br>         | SLR-18          |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 15<br>  1           | CY                 | іс<br>І      | i c         | S<br>        | l C<br>I     | G7409<br>          | 1                                |                   |             |
| I-N <br> <br>     | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH                                       | i 20<br>  20<br>  1 | FT<br>  FT<br>  CY | i c<br>I     | I C<br>I C  | S            |              | 3376.1<br> <br>    | 1                                | 0.31              |             |
|                   | 1-3SLB <br>     | 322048                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1 1                 | EA<br>EA           | i c          | i<br>i c    | S            | i Č          | 3373.2             | 1 1                              | 0.1               |             |
| I-N!              | LN-S/U          | Í                       | TC-LANE CLOSURE URBAN STREET   |                     | <br> EA            | C            | l<br>1 .    | S            | с            |                    | TC3                              | 1.0               |             |
| I-N[              | [<br> LN/S/S    | 1                       | LANE CLOSURE URBAN ST (STREET REPAIR)  |                     | 1                  | 1            | 1           | s            | С            | (<br>              | 1 TC4                            | 1.0               |             |
| I-N               | l<br> CC-2CT    |                         | CONCRETE 2 SAW CUT AND BREAK MECH  |                     |                    | l<br>c       | 1           | S            | C            | l .                |                                  | 0.21              |             |
|                   | <br> CF-H18     |                         | FINISH CONCRETE SURFACE MAN 18 IN  | 1 5                 |                    |              | !           | S            |              |                    | <br> SR3CS                       |                   |             |

WORK FAC

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CONSTRUCTION NOTES

SEE SHT 4

|               |         | 36                   |                              | REV:0                        |                             |                              |                             |                      |         |        |                |       |          |         |      | TATÚS: AC        |                | K ORDF  | R: 2960700                             |
|---------------|---------|----------------------|------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|----------------------|---------|--------|----------------|-------|----------|---------|------|------------------|----------------|---------|--|
|               |         |                      |                              |                              |                             |                              | ME: ROL                     |                      | ATUS: A |        |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              | 0 BLK 7G2                    |                             |                              |                             |                      |         |        |                |       |          |         |      | m. 000-00        |                |         | N 284 OF 58                            |
|               |         |                      |                              | DISTRICT:                    | CM DI                       | ESIGNED                      | ) BY: GE                    | ORGE BONN            |         |        |                |       |          |         |      |                  |                |         |  |
| -CIM          | ו תד זי | AU ID                | STOCK#1                      | DE                           | SCRIPTI                     | ON/CONS                      | TRUCTIO                     | N NOTES              |         | ROD    | UM             | RSP   | RSPI     | TRT     | TRT  | STANDARD<br>PAGE | [ TYPE         | HOURS   |  |
|               | l       | 3421-1               | <br> 514240                  | PAD 3421<br>PAD 1-           | 1-PHAS                      | E TRANS                      | FORMER                      |                      |         | 1<br>1 | EA ]<br>  EA ] | CI    | ا<br>د ا | S  <br> | C I  | 3421.1           | 3-AF4<br> <br> | 0.4     |  |
| <br>[-]]      | 1       |                      |                              | PAD PREP                     | 3421 P                      | AD (1-E                      | PHASE TR                    | ANSFORMER            | 0       | 1      | EA             |       | 1        | SI      | C I  |                  | 3SWF3          | 0.4     | ······································ |
| <br>          | i       | TG-T-₩               | <br> 812816                  | TRENCH G<br>WIRE B           | RD WIRE<br>ARE COP          | W/O RC<br>PER #2-            | )DS (TRA<br>-7 STR S        | NS/CAP)<br>OFT DRAWN | ĩ       | 1      | EA[<br> LB]    |       | c I      | S       | C 1  | 4510.1           | [35WF3         | 0.2     |  |
| <br>[-]]<br>[ |         | <br> 1-35lb<br> <br> | <br> <br> 322048 <br> 656400 | 1-3 IN D<br>BEND C<br>SLURRY | B 90 D<br>CONDUIT<br>MIX, 1 | 36 IN F<br>DB 3 IN<br>SACK S | R BEND S<br>190 D 3<br>SAND | LURRY ENC            |         | 3      | EA <br> EA     | C ]   | <br>  C  | S       | CI   |                  |                | 0.2     |  |
| IORK          | FAC     |                      |                              | EXIST                        |                             |                              |                             |                      |         |        |                | CONST | rruc:    | TION    | NOTE |                  |                |         |  |
|               |         | PAD                  |                              | 111101                       |                             | D218232                      |                             |                      | SEE     | SHT 8  |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              |                              |                             |                              |                             |                      |         | -      |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              |                              |                             | <u>.</u>                     |                             |                      |         |        |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              |                              |                             |                              |                             |                      |         |        |                |       |          | -       |      |                  |                | <u></u> |  |
|               |         |                      |                              |                              |                             |                              |                             |                      |         |        |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              |                              |                             |                              |                             |                      |         |        |                |       |          |         |      |                  |                |         |  |
|               |         |                      |                              |                              |                             |                              |                             | ····                 |         |        |                |       |          |         |      |                  |                |         | ·····                                  |
|               |         |                      |                              |                              |                             |                              |                             | <i></i>              | ~       |        |                |       |          |         |      |                  |                |         |  |

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| PROJECT:         |              |                                |                         |   |                      |                       | ANDO BLK 7G2 |                                      |           |          |         |     |     |                           | T WO                     | RK ORDER                      | : 2960 | 700  |
|------------------|--------------|--------------------------------|-------------------------|---|----------------------|-----------------------|--------------|--------------------------------------|-----------|----------|---------|-----|-----|---------------------------|--------------------------|-------------------------------|--------|------|
| DESIGN: 0        |              |                                |                         | T&C JOB   |                      |                       |              | S: ACT                               |           |          |         |     |     |                           |                          |                               |        |      |
| LOCATION:        | 285 SHE      | ET: 01                         |                         | CM DE:  |                      | D BY: GE              | ORGE BONNER  |                                      |           |          |         |     | PHO | NE: 999-99                | 99                       | LOCATION                      | 285 0  | F 58 |
|                  |              |                                | D                       | ESCRIPTIO   | N/CON                |                       | NN NOTES     | ROD                                  | UM        | RSP      | RSP     | TRT | TRT |                           | TYPE                     | HOURS                         |        |      |
| I I~N[<br>I I~N[ |              |                                |                         | 2 SAW C   |                      |                       |              | 553                                  |           |          |         | S   |     | I                         | I SR3AS                  | 14.4]                         |        |      |
|                  |              | 114201                         | ASPHALT<br>ASPHA        |   | ECH                  | 24 IN                 |              | 553<br>  21                          |           |          | <br>  C |     |     | i<br>I                    |                          | 14.9                          |        |      |
| I                | 1            | <br> X20201                    | TRAFF                   | G TRENCH<br>TC BEARING<br>LT, COLD I                            | G STE                |                       |              | <br>  553<br>  553<br>  6            | ]EA       | 1        |         | 5   |     | 1                         | C-BH                     | 27.71_<br>  27.71<br>  55.31_ |        |      |
| I-N              |              | [X30007]                       | TRENCH<br>DUMPI         | SPOIL 4 1<br>NG FEE   | FT DE                | PTH                   |              | <br>  553<br>  189                   |           | •        | l c     |     | с   | <br> <br>                 | [<br>  C-DT<br>[         | 66.41_<br>                    |        |      |
| 1-N              | SLR-24       | i i                            |                         | L SLÚRRY :<br>Y MIX, 1 :  |                      |                       | 12 IN DEEP   | 1659<br>  123                        |           |          | l c     |     | -   |                           | 3-WF3                    | 1 5.01<br>  -                 |        |      |
|                  |              | 248201 <br> 249710 <br> 663528 | CONCR<br>CONDU<br>SPACE | EB CONDUI<br>ETE - 2 SJ<br>IT DB 100<br>R INTERME<br>BASE SPACI | ACK<br>4 IN<br>DIATE | GRAVEL )<br>J 20 FT I |              | 553<br>  10<br>  553<br>  93<br>  93 | CY<br> FT | ]        |         |     | с   | <br> 3376.1<br> <br> <br> | 3-WF3<br> <br> <br> <br> |                               |        |      |
| I-N              | <br>  LN-S/U |                                | TC-LANE                 | CLOSURE   | URBAN                | I STREET              |              | 1                                    | IEA       | i c      | 1       | S I | С   | <br>                      | I<br>TC3                 | <br>  1.0 _                   |        |      |
| I-N              | <br> LN/S/S  | i i                            | LANE CL                 | OSURE URB   | AN ST                | (STREET               | REPAIR)      | 1                                    | IEA       | l<br>l c | 1       | S   | с   |                           |                          | 1 1.01                        |        |      |
| I-N              |              | i<br> 114215                   |                         | FIC CONDI<br>LT, COLD 1   |                      | 5 STREET              | CROSSINGS    | į 1                                  | TN        |          | <br>  C | s I | С   | ]<br>8<br>8               | <br>  TC4<br>            | 0.1 _<br>  0.1 _              |        |      |
| -N               | <br> XING/S  | [  <br>                        | TRAFFIC                 | COND. (X)   | ING E                | ANE) STR              | EET REPAIR   |                                      | <br>  FT  | l C      | 1       | S I | С   | l                         | <br> TC4                 | [ ]_<br>  0.1                 |        |      |

#### FUNC CODE DESC

#### CONSTRUCTION NOTES

SEE SHT 8,9 \_\_\_\_\_

Block 7G2 UUP Attachment E – Technical Specifications

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| NUUDUI. ZJ            | 3568 J          | JOB:01             | REV:0 TYPE:                                   | UD NAME: F                   | OLANDO BLK 7G2 -          | Tac Joe | 31                         |            |            |              | 5                                     | TATUS: AC        |                    |             | R: 2960700                            |
|-----------------------|-----------------|--------------------|---|------------------------------|---------------------------|---------|----------------------------|------------|------------|--------------|---------------------------------------|------------------|--------------------|-------------|---------------------------------------|
| SIGN: 01              | NAME :          | ROLAND             | D BLK 7G2 T&C JO                              | в 1                          | STATUS:                   | ACT     |                            | ,-         |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    | DISTRICT: CM                                  | DESIGNED BY:                 | GEORGE BONNER             |         |                            |            |            |              |                                       | TE: 999-99       |                    | OCATIO      | N 286 OF 5                            |
| WRK <br>F-C MU ID     | AU ID           | STOCK#             | DESCRIPT                                      | ION/CONSTRUCT                | ION NOTES                 |         | I UM                       | RSP        | RSP        | TIM <br> TRT | ACC<br>TRT                            | STANDARD<br>PAGE | CREW  <br> TYPE    | HOURS       |                                       |
| 1                     | 3313TC <br>     | 400302             | HANDHOLE 3313<br>3313 TRAFFIC                 | WITH TRAFFIC<br>COVER HANDHO |                           |         | 1   EA<br>1   EA           | i c<br>l   | <br>  C    | S            | С                                     | 3313             | • •                | 3.01<br>0.5 |                                       |
| I<br>I-N              | X13H-A          |                    | EXCAVATE 3313                                 | HANDHOLE                     |                           | 1 :     | 1   EA                     | i c        | [          | [ <u>S</u>   | C C                                   | 3313.2           | •                  | 0_4         | <u> </u>                              |
| I-N                   |                 | i i                | CONCRETE 1 SAW                                | CUT                          |                           | i :     | 1   FT                     | I C        | 1          |              | C                                     |                  | SR3AS              | Í,          |                                       |
| I-N                   | 1               | <br> 248205        | ADJUST HH TO G<br>CONCRETE - 6                |                              |                           |         | 1   EA<br>1   CY           | C<br>      | l<br>I C   | S            | C<br>                                 |                  | SR3CS  <br>  BOOMT | 1.5<br>4.0  | ·                                     |
| 1                     | 1-3SLB<br> <br> | 322048 <br> 656400 | 1-3 IN DB 90 E<br>BEND CONDUIT<br>SLURRY MIX, | DB 3 IN 90 I                 | ) SLURRY ENC<br>) 36 IN R |         | 4   EA<br>4   EA<br>1   CY | C<br> <br> | 1 C<br>1 C | S<br> <br>   | C<br> <br>                            | 3373.2           | 3-WF3 <br>         | 0.2         |                                       |
|                       | iln-s/u         |                    | TC-LANE CLOSUF                                | e urban strei                | T                         | i '     | 1,EA                       | C          |            | <br>  S<br>  | 1 C                                   | i                |                    | 1.0         |                                       |
| I-N(                  | !<br> LN/S/S    |                    | LANE CLOSURE U                                | IRBAN ST (STRI               | ET REPAIR)                |         |                            |            |            |              |                                       |                  | ITC4               |             |                                       |
| WORK FAC<br>FUNC CODE |                 |                    | EXIST TAG                                     | NEW TAG                      | SI                        | ee sht  |                            | CONS       | TRUC       | TION         | NOT                                   | ES               |                    |             |                                       |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    | <u> </u>                                      |                              |                           |         |                            |            |            |              |                                       | <u> </u>         |                    |             |                                       |
|                       |                 |                    | <br>  |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             | <u></u>                               |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       | <br>            |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             | · · · · · · · · · · · · · · · · · · · |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              | · · · · · · · · · · · · · · · · · · · |                  |                    |             | ······                                |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |
|                       |                 |                    |   |                              |                           |         |                            |            |            |              |                                       |                  |                    |             |                                       |

Block 7G2 UUP Attachment E – Technical Specifications

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| ROJECT:  | 253568        |      | JOB:01                   | REV:0 TYPE: UD   | NAME: RO   | DLANDO BLK 7G2 | -T&C JOB                | 1                  |                  |                 |                      | 5             | STATUS: AC      | T WO                    | RK ORDE                 | R: 2960700  |
|----------|---------------|------|--------------------------|--|------------|----------------|-------------------------|--------------------|------------------|-----------------|----------------------|---------------|-----------------|-------------------------|-------------------------|-------------|
|          |               |      | : ROLANI                 | DO BLK 7G2 T&C JOB 1   |            | STATU:         | s: ACT                  |                    |                  |                 |                      |               |                 |                         |                         |             |
| CATION   | ¶: 287        | SHE  | ET: 01                   | DISTRICT: CM DESI  | GNED BY: ( | GEORGE BONNER  |                         |                    |                  |                 |                      | PHO           | NE: 999-99      | 99 :                    | LOCATIO                 | N 287 OF 58 |
| -C[MU    | I<br>ID [AU   | ID   | STOCK#1                  | DESCRIPTION/   | CONSTRUCTI |                |                         | UM                 | RSP              | RSP             | TRT                  | TRT           | STANDARD        | TYPE                    | HOURS                   |             |
| -N∣<br>[ | BHC<br> <br>  | 3XH  | <br> X20201 <br> 114215  | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI     | STEEL PLAT | BACKHOE        | 76<br>  57<br>  1       | FT<br>  EA<br>  TN | '  C<br>.]<br>[] |                 | S  <br>              | [ C<br>[<br>] | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4 | 3.0]<br>  3.0 <br>  6.1 |             |
| -N[<br>[ | [ REM         | 1-3' | <br>   <br> X30007 <br>  | TRENCH SPOIL 3 FT<br>DUMPING FEE                             | DEPTH      |                | 1 76<br>1 19            | FT<br> CY          | 1<br>1 C         | i<br>i c        | S  <br>              | l C<br>I      | <br>            |                         |                         |             |
| -N[<br>[ | ]<br>]        | 3SL  | ]<br> 249664 <br> 656400 | 1-3 IN EB CONDUIT<br>  CONDUIT DB 3 IN<br>  SLURRY MIX, 1 SA | 20 FT LENG |                | i 197<br>i 197<br>i 197 | FT<br>  FT<br>  CY | i<br>I           |                 | 1 S  <br>1           | i c<br>I<br>I | 3376.1<br> <br> | •                       | 2.81<br>  1<br>         |             |
|          | F             | SL8  | 321878                   | 1-3 IN DE 45 D 36<br>  BEND CONDUIT DE<br>  SLURRY MIX, 1 SA | 3 IN 45 D  |                | 1 2<br>1 2<br>1 1       | EA<br> EA<br> CY   | 1                | )<br>1 C<br>1 C | ] \$  <br>]    <br>] | I C           | 3373_2<br> <br> | 3-WF3<br> <br>          | 0.1 <br>   <br>         |             |
| -N       | LN-           | s/U  | i i                      | TC-LANE CLOSURE UR   | BAN STREET | Г              | 1                       | EA                 | C                | 1               |                      | i c           | 1               | TC3                     | 1.0                     |             |
| -N <br>  | LN/           | ′s∕s | i i                      | LANE CLOSURE URBAN   | ST (STREE  | ST REPAIR)     | 1 1                     | EA                 | <br>1 C          | 1               | S                    |               | 1               | TC4                     | 1.0                     |             |
| -N[      |               | 2CT  | i i                      | CONCRETE 2 SAW CUT   | AND BREAD  | K MECH         | 76                      | FT]                | C                | 1               | S                    | C             | ]               | <br>  SR3AS<br>         | 3.0                     |             |
| -N       | CF-           |      |                          | <br>  FINISH CONCRETE SU                                     | RFACE MAN  | N 18 IN        |                         | •                  | <br>  C          |                 | S                    | •             |                 |                         | 0.3                     |             |
|          | FAC<br>CODE I | ESC  |                          | EXIST TAG NEW  | TAG        |                | SEE SHT 4               |                    | CONS             | TRUC            | FION                 | NOTI          | 25              |                         |                         |             |
|          |               |      |                          |  |            |                |                         |                    |                  |                 |                      |               |                 |                         |                         |             |
|          |               |      |                          |  |            |                |                         |                    |                  |                 |                      |               |                 | <b>_</b>                |                         |             |
|          |               |      |                          | ·  |            |                |                         |                    |                  |                 |                      |               |                 |                         |                         |             |
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|          |               |      |                          |  |            |                |                         |                    |                  |                 |                      |               |                 |                         |                         |             |

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| AME: ROLANDO<br>SHEET: 01 I<br>ID STOCK#<br>1-1: [<br>514240;<br>FTP! ]<br>812816;<br>SLB;<br>322048;  | PAD 3421 1-PHASE TI<br>PAD 1-PHASE XFMR<br>PAD PREP 3421 PAD<br>TRENCH GRD WIRE W/(<br>WIRE BARE COPPER  | SINED BY: GEORGE BOND<br>CONSTRUCTION NOTES<br>RANSFORMER<br>/ 3-PHASE F.C. 342<br>(1-PHASE TRANSFORME<br>D RODS (TRANS/CAP) | PATUS: A<br>NER<br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> | QTY<br>QTY<br>RQD<br>1<br>1 | <br>  UM <br>  EA <br>  EA | WRK<br>RSP<br>C      | MAT  <br> RSP        | TIM <br>TRT[<br>+<br>S 1 | <br>PHON<br>ACC  <br>TRT | E: 999-99<br>STANDARD<br>PÅGE | 99 1<br> CREW  <br> TYPE | OCATIO<br>EST  <br>HOURS! |                      |
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| SHEET: 01 1<br>ID  STOCK# <br>11-1   <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1514240 <br>1   | DISTRICT: CM DESIG<br>DESCRIPTION/C<br>PAD 3421 1-PHASE TH<br>PAD 1-PHASE XFMR<br>PAD PREP 3421 PAD<br>TRENCH GRD WIRE W/C<br>WIRE BARE COPPER | INED BY: GEORGE BON<br>CONSTRUCTION NOTES<br>RANSFORMER<br>/ 3-PHASE F.C. 342<br>(1-PHASE TRANSFORME)<br>D RODS (TRANS/CAP)  | NER<br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br>                  | QTY<br>RQD<br>1<br>1        | UM <br>+                   | WRK<br>RSP<br>C      | RSP <br>++           | TIM <br>TRT[<br>S ]      | ACC  <br>TRT             | STANDARD<br>PAGE              | CREW  <br> TYPE          | EST  <br>HOURS            |                      |
| ID   STOCK#   <br> 1-1     <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1   <br> 514240 <br> 1-1    514240 <br> 1-1    514240 <br> 1-1    514240 <br> 1-1    514240 <br>  514240 <br> 1-1    514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 <br>  514240 | DESCRIPTION/C<br>PAD 3421 1-PHASE TH<br>PAD 1-PHASE XFMR<br>PAD PREP 3421 PAD<br>TRENCH GRD WIRE W/C<br>WIRE BARE COPPER                       | CONSTRUCTION NOTES<br>RANSFORMER<br>/ 3-PHASE F.C. 342:<br>(1-PHASE TRANSFORME:<br>D RODS (TRANS/CAP)                        | <br> <br> <br> <br>1  <br> <br> <br> <br>  | QTY<br>RQD<br>1             | UM  <br>+                  | RSP<br>C             | RSP <br>++           | TIM <br>TRT[<br>S ]      | ACC  <br>TRT             | STANDARD<br>PAGE              | CREW  <br> TYPE          | EST  <br>HOURS            |                      |
| ID STOCK#<br>  | PAD 3421 1-PHASE TI<br>PAD 1-PHASE XFMR<br>PAD PREP 3421 PAD<br>TRENCH GRD WIRE W/(<br>WIRE BARE COPPER  | RANSFORMER<br>/ 3-PHASE F.C. 342<br>(1-PHASE TRANSFORME<br>D RODS (TRANS/CAP)  | I<br>I<br>I<br>R)<br>I   | RQD<br>1<br>1               | UM  <br>+                  | RSP<br>C             | RSP <br>++           | TRT[<br>+<br>S ]         | TRT                      | PAGE                          | TYPE                     | HOURS!                    |                      |
| 1-1: : : : : : : : : : : : : : : : : : :   | PAD 3421 1-PHASE TH<br>PAD 1-PHASE XFMR<br>PAD PREP 3421 PAD<br>TRENCH GRD WIRE W/C<br>WIRE BARE COPPER  | RANSFORMER<br>/ 3-PHASE F.C. 342<br>(1-PHASE TRANSFORME<br>D RODS (TRANS/CAP)  | 1 1<br>1 1<br>R) 1   | 1<br>1                      | EA  <br>  EA               | с                    | · ·                  | S I                      |                          |                               | • •                      |                           |                      |
| CF1P   <br>   <br> T-W   <br> 812816 <br>   <br> <br>SSLB   <br> 322048  | TRENCH GRD WIRE W/S<br>WIRE BARE COPPER  | D RODS (TRANS/CAP)   | R)   | 1                           |                            |                      | CI                   | 1                        | 1                        |                               | 1 1                      | 1.                        |                      |
| -T-W   <br> 812816 <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br>   | WIRE BARE COPPER   |  |  | T                           | EA                         | с                    |                      | S  <br>                  | CΙ                       |                               | [  <br> 3,5WF3 <br>      | 0.41                      |                      |
| SLB   <br> 322048  |  |  | N  | . 1<br>. 8                  | EA<br>  LB                 | С                    |                      | 5  <br>                  | C  <br>                  | 4510.1                        | 35WF3 <br>               | 0.2 <br>                  | <u> </u>             |
|  |  | IN R BEND SLURRY EN<br>3 IN 90 D 36 IN R<br>TK SAND  | ן<br>נייי<br>ו   | 4<br>4                      | EA<br> EA                  | Ċ                    |                      | S I<br>I                 | D<br>                    | 3373.2                        | <br> 3-WF3 <br>  [       | 0.21                      |                      |
|  |  |  |  |                             |                            |                      |                      |                          |                          | :                             |                          |                           |                      |
| PAD  | D218   | 8233   | SEE  | SHT 4                       |                            |                      |                      |                          |                          |                               |                          |                           |                      |
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|  |  | AD D21:  |  | AD D218233 SEE              | AD D218233 SEE SHT 4       | AD D218233 SEE SHT 4 | AD D218233 SEE SHT 4 | AD D218233 SEE SHT 4     | AD D218233 SEE SHT 4     | AD D218233 SEE SHT 4          | AD D218233 SEE SHT 4     | AD D218233 SEE SHT 4      | AD D216233 SEE SHT 4 |

| :36<br>3568   |  | REV:0 TYPE: UD   | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW<br>NAME: ROLANDO BLK 7G2  | COPY - DE  | TAI   | L<br>   |  |   |  | STATUS: AG   | T WOL   |  | AGE NO 325<br><br>R: 2960700  |  |  |
|---|--|--|---|--|---|---|--|---|--|--|---|--|---|--|--|
| NAME  | : ROLANI   | 00 BLK 7G2 T&C JOB 1   | STATU   | S: ACT   |   |   |  |   |  |  |   |  |   |  |  |
| B9 SHE  | ET: 01   | DISTRICT: CM DESI  | GNED BY: GEORGE BONNER  |  |   |   |  |   | PHO  | NE: 999-99   | 999 1   | LOCATIO  | N 289 QF 587  |  |  |
| AU ID   | STOCK#   | DESCRIPTION/   |   | i RQD  | I UM  | RSP   | RSP  | TRT   | TRT  | PAGE   | TYPE  | HOURS  |   |  |  |
| AS-1CT  | +  | ASPHALT 1 SAW CUT  | AND BREAK MECH  | 1  | FT  | , C   |  | S   | i c  | 1  | SR3AS   | i i  |   |  |  |
| (EXPL)<br> <br> <br> <br> <br>  | And 100 100 100 100  | 3315 TC SLURRY BACKF   | ILL INSTALL COMPLETE  | <u>1</u><br> <br> <br>   | EA<br> <br> <br> <br> <br>  | <br> <br>[<br> <br>   |  | S<br>   | I C  | 3315.3<br> <br> <br> <br>  | C-BH<br>  C-DT<br>  SR3CS<br>  BOOMT<br>  3-AF4<br>  0-BC | 3.0 <br>3.3 <br>1.5 <br>4.8 <br>3.0 <br>0.2  |   |  |  |
| <br> C/P15H<br> <br> R/S15H<br> <br> SHOR-H<br> <br> SHOR-H<br> <br> 15H-SL | 248205<br>1114200<br>1X30007<br>1X30010<br>1601600   | CONCRETE - 6 SAC<br>COLD PATCH AND CLE<br>ASPHALT (COLD PA<br>SPOIL FROM 3315 HH<br>DUMPING FEE<br>SHORING PRIMARY HA<br>SHORING MATERIAL<br>EXCAVATE 3315 HAND<br>ROCK, DRY, 3/8"<br>BACKFILL SJURRY 33<br>CONCRETE - 1 SAC   | K (3/4" ROCK MIX)<br>AN-UP 3315 HH<br>TCH)<br>NDHOLES<br>HOLE AVERAGE<br>RECYCLED MATLS PREFFERE<br>15 HH<br>K (SAND MIX)   | 1<br>  1<br>  2<br>  1<br>  1<br>  1<br>  39<br>  1<br>D   1<br>  5  | EA<br> CY<br> EA<br> EA<br> CY<br> EA<br> EA<br> EA<br> EA<br> EA   |   |  |   |  | <br> <br> <br> <br> <br> 3315.4<br> <br>   |   |  |   |  |  |
| '<br> LN-S/U  | 1  |  |   |  |   |   |  |   |  |  |   |  |   |  |  |
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| DESC  |  | EXIST TAG NEW  |   |  |   | CONST   | IRUC:  | TION  | NOTI   | <br>2s   |   |  |   |  |  |
| PRI   | HANDHOLI   | е н13  | 1564  | SEE SHT 8  |   |   |  |   |  |  |   |  |   |  |  |
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|   | 3568<br>NAME<br>39 SHE<br>AU 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STOCK#<br>AS-1CT<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL))<br>(<br>(EXPL) | 3568       JOB:01       REV:0       TYPE: UD         NAME:       ROLANDO       BLK 7G2 T&C JOB 1         39       SHEET:       01       DISTRICT: CM       DESI-         1AU       ID       STOCK#       DESCRIPTION/         1AS-1CT       ASPHALT       SAW CUT         1(EXPL)       3315       TC       SLURRY BACKF         1(EXPL)       3315       TC       SLURRY BACKF         1(EXPL)       3315       TC       SLURRY BACKF         1(EXPL)       3315       TC       SLURRY BACKF         1(EXPL)       CONCRETE - 6       SAC         1(EXPL)       COLD PATCH AND CLE       SPOIL FROM 3315         1(EX00)       ASPHALT (COLD PA         1(EX10)       ASPHALT (COLD PA         1(EX114200)       ASPHALT (COLD PA         1(EX100)       SPOIL FROM 3315         1(EX100)       SPOIL FROM 3315         1(EX100)       SHORING PRIMARY HA         1(EX100)       SHORING PRIMARY HA         1(EX100)       SHORING PRIMARY HA         1(EX100)       SHORING PRIMARY HA         1(EX100)       SHORING PRIMARY HA         1(EX15H-A)       EXCAVATE 3315         1(EX200)       CONCRETE | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2       T&C         NAME:       ROLANDO BLK 7G2       T&C       JOB 1       STATU         39       SHEET:       01       DISTRICT:       CM       DESIGNED BY: GEORGE BONNER         1       1       I       I       I       STATU         39       SHEET:       01       DISTRICT:       CM       DESIGNED BY: GEORGE BONNER         1       1       I       I       I       I         1AD-I       I       ASPHALT       1 SAW CUT AND BREAK MECH       I         1       I       I       I       I       I         1       I       I       I       I       I         1       I       I       I       I       I         1       I       I       I       I       I         1       I       I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER         30       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER         30       SHEET: 01       DISTRICT: CM       DESCRIPTION/CONSTRUCTION NOTES       RQD         30       SHEET: 01       ASPHALT 1 SAW CUT AND BREAK MECH       1       1         30       SAS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       1       1         315       TC SLURRY BACKFILL INSTALL COMPLETE       1       1       1         (2XPL)       3315       TC SLURRY BACKFILL INSTALL COMPLETE       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1       1         (4D-P-H)       ADJUST HH TO GRADE (IN | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T&C JOB 1         NAME:       ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT         33       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER         1       I       I       I       QTY I         1AU ID       STOCK#I       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM         1AS-1CTI       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT         I       I       II       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1         NAME:       ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER         1                       QTY          WRK         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD  UM/RSP         1AS-1CT        ASPHALT       1 SAW CUT AND BREAK MECH                         1(XPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE                         1(ZYPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE                         1(AD-F-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)                         1(AD-F-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)                         1(AD-F-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)                         1(AD-F-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)                         1(AD-F-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)                         1(AD-F-H)       SPOIL FROM 3315 HA                                 1(C/P15H)       COLD PATCH AND CLEAN-UP 3315 HH   IX30007 | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 -T4C JOB 1         NAME:       ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER         1                       QTY          WRK!MAT         1AU ID       STOCK#        DESCRIPTION/CONSTRUCTION NOTES       RQD [UM]RSP[RSP]         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       1  FT  C           1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       1  FT  C           1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1   EA           1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1   EA           1(EXPL)       13315 TC SLURRY BACKFILL INSTALL COMPLETE       1   EA           1(EXPL)       13315 TC SLURRY BACKFILL INSTALL COMPLETE       1   EA           1(EXPL)       1315 TC SLURRY BACKFILL INSTALL COMPLETE       1   EA           1(AD-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1   EA           1(AD-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1   EA           1(AD-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1   EA           1(AD-P-H)       ADJUST HH TO GRADE (IN PKY OR NEW CONST)       1   EA           1(AD-P-H) <td< td=""><td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T&amp;C JOB 1         NAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT         39 SHEET: 01 DISTRICT: CM       DESIGNED BY: GEORGE BONNER         Image: Colspan="2"&gt;Image: Colspan="2"         Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2"        <td <="" colspan="2" t<="" td=""><td>35568         JOB:01         REV:0         TYPE: UD         NAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         INAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRTITINT           IAU ID         STOCK#I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRSPIRTITINT           IAS-1CTI         ASPHALT 1 SAW CUT AND BREAK MECH         1         IFT C         S         C           (2XPL)         3315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         C<!--</td--><td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT         39       SREET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-93         1AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       PAGE         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       IFT C       S C C         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C C       I       I         1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1 IEAI C       S C C       I       I         1(EXPL)       AJUST HH TO GRADE (IN PKY OR NEW CONST)       I IEAI C       C I       I</td></td></td></td></td<> <td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       WOM         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT       WOM         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE DONNER       PHONE: 999-9999       I         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       IQTY   WRKIMAT TTM ACC STANDARD  CREW         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       IQU       INT ITTY PAGE       TYPE         1AS-1CT       ASPHALT       I SAW CUT AND BREAK MECH       I IFT  C       IS       C       ISR3AS         (ZXPL)       3315 TC SLURRY BACKFTLL INSTALL COMPLETE       I IEA       I I       I       ISSACS         IAD-P-H       ADJUST HK TO GRADE (IN PRY OR NEW CONST)       I IEA       I I       I I       I I       I I       I I       I I       I I       I I       I I       I I       I I       I II       I II       I II       I III       I IIII       I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td> <td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 -T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATIO         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       I QT       IWRKIMATITIMIACCISTANDARD ICREW   EST           1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C       I STATUS: ACT         1(2XPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       I IEA       S C C J SI35.3       IC-BH 3.0         1(2XPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       I IEA       I IEA       I IEA       I IEA       IEEEE       IEEE       IEEE       &lt;</td> | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T&C JOB 1         NAME: ROLANDO BLK 7G2 T&C JOB 1         STATUS: ACT         39 SHEET: 01 DISTRICT: CM       DESIGNED BY: GEORGE BONNER         Image: Colspan="2">Image: Colspan="2"         Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2" <td <="" colspan="2" t<="" td=""><td>35568         JOB:01         REV:0         TYPE: UD         NAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         INAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRTITINT           IAU ID         STOCK#I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRSPIRTITINT           IAS-1CTI         ASPHALT 1 SAW CUT AND BREAK MECH         1         IFT C         S         C           (2XPL)         3315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         C<!--</td--><td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT         39       SREET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-93         1AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       PAGE         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       IFT C       S C C         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C C       I       I         1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1 IEAI C       S C C       I       I         1(EXPL)       AJUST HH TO GRADE (IN PKY OR NEW CONST)       I IEAI C       C I       I</td></td></td> | <td>35568         JOB:01         REV:0         TYPE: UD         NAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         INAME: ROLANDO BLK 7G2 T&amp;C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRTITINT           IAU ID         STOCK#I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRSPIRTITINT           IAS-1CTI         ASPHALT 1 SAW CUT AND BREAK MECH         1         IFT C         S         C           (2XPL)         3315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         C<!--</td--><td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT         39       SREET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-93         1AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       PAGE         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       IFT C       S C C         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C C       I       I         1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1 IEAI C       S C C       I       I         1(EXPL)       AJUST HH TO GRADE (IN PKY OR NEW CONST)       I IEAI C       C I       I</td></td> |   | 35568         JOB:01         REV:0         TYPE: UD         NAME: ROLANDO BLK 7G2 T&C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         INAME: ROLANDO BLK 7G2 T&C JOB 1         STATUS: ACT           39         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHON           1         I         I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRTITINT           IAU ID         STOCK#I         DESCRIPTION/CONSTRUCTION NOTES         RQD IUMIRSPIRSPIRSPIRTITINT           IAS-1CTI         ASPHALT 1 SAW CUT AND BREAK MECH         1         IFT C         S         C           (2XPL)         3315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         S         C           (2XPL)         IS315 TC SLURRY BACKFILL INSTALL COMPLETE         1         IEAI         C </td <td>3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT         39       SREET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-93         1AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       PAGE         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       IFT C       S C C         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C C       I       I         1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1 IEAI C       S C C       I       I         1(EXPL)       AJUST HH TO GRADE (IN PKY OR NEW CONST)       I IEAI C       C I       I</td> | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT         39       SREET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-93         1AU ID       ISTOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       PAGE         1AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRSPIRTITRIT PAGE       IFT C       S C C         1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C C       I       I         1(EXPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       1 IEAI C       S C C       I       I         1(EXPL)       AJUST HH TO GRADE (IN PKY OR NEW CONST)       I IEAI C       C I       I | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       WOM         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT       STATUS: ACT       WOM         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE DONNER       PHONE: 999-9999       I         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       IQTY   WRKIMAT TTM ACC STANDARD  CREW         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       IQU       INT ITTY PAGE       TYPE         1AS-1CT       ASPHALT       I SAW CUT AND BREAK MECH       I IFT  C       IS       C       ISR3AS         (ZXPL)       3315 TC SLURRY BACKFTLL INSTALL COMPLETE       I IEA       I I       I       ISSACS         IAD-P-H       ADJUST HK TO GRADE (IN PRY OR NEW CONST)       I IEA       I I       I I       I I       I I       I I       I I       I I       I I       I I       I I       I I       I II       I II       I II       I III       I IIII       I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 3568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 -T4C JOB 1       STATUS: ACT         NAME: ROLANDO BLK 7G2 T4C JOB 1       STATUS: ACT         39       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATIO         1AU       ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       I QT       IWRKIMATITIMIACCISTANDARD ICREW   EST           1AS-1CT       ASPHALT 1 SAW CUT AND BREAK MECH       I IFT C       S C       I STATUS: ACT         1(2XPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       I IEA       S C C J SI35.3       IC-BH 3.0         1(2XPL)       3315 TC SLURRY BACKFILL INSTALL COMPLETE       I IEA       I IEA       I IEA       I IEA       IEEEE       IEEE       IEEE       < |

| ROJECT: 25     | 3568 3               | JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 76  | 2 -T&C JOB                           | 1                                  |                 |                |                | <u>.</u>      | STATUS: AC           | T WOI                   | RK ORDE                | R: 2960700  |
|----------------|----------------------|---|--|--------------------------------------|------------------------------------|-----------------|----------------|----------------|---------------|----------------------|-------------------------|------------------------|-------------|
|                |                      |   |  | US: ACT                              |                                    |                 |                |                |               | <b></b>              | <b></b>                 |                        |             |
| CATION: 2      | 90 SHEI              | ET: 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  | ,                                    |                                    |                 |                |                | PHO           | NE: 999-99           | 99 1                    | LOCATIO                | N 290 OF 58 |
|                |                      |   | DESCRIPTION/CONSTRUCTION NOTES   |                                      | 1 I                                | WDK             | IMAT           | ITTMI          | DCC           | ISTANDARD            | LCREW                   | EST 1                  |             |
| I-NI<br>1<br>1 | BH04XH<br> <br>      | [<br> X20201 <br> 114215                        | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 1 460                                | FT  <br>  EA  <br>  TN ]           | С               |                | S  <br>   <br> | C<br> <br>    | 1G7453<br> <br>      | C-BC<br> C-BH<br> 3SWF4 | 23.0                   |             |
| с-м<br>І       | REM-4 '              | X30007  | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | 460<br>  157                         | FT<br>CY                           | ¢               | i<br>I Č       | S              | i C<br>I      | <br>                 | C-DT                    | 55.2[<br>              |             |
| Г-NI<br>       | SLR-24               | 656400  | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | ( 1380<br>) 103                      | FT<br> CY                          | ¢               | <br>  c        | S              | C<br>         | G7409<br>]           | 3-WF3                   | 4.1 <br>               |             |
| [-]]           | 2EB5IN<br> <br> <br> | <br> 248201 <br> 249728 <br> 663528 <br> 663530 | 2-5 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 5 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 420<br>  14<br>  840<br>  71<br>  71 | FT<br>  CY<br>  FT<br>  EA<br>  EA | C<br> <br> <br> |                | [ 5<br>        |               | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>     | 5.9 <br>   <br>   <br> |             |
| 1              | 2-5SLS<br> <br>      | 321856 <br> 656400                              | 2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 5 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | 1 4<br>1 8<br>1 2                    | EA<br> EA                          |                 | <br>  C<br>  C | S<br>          | 1 C<br>1<br>1 | 13373.2<br>1<br>1    | 3-WF3<br> <br>          | 1  <br>1               |             |
| -N             | AS-2CT               |   | ASPHALT 2 SAW CUT AND BREAK MECH   | 420                                  | <br> FT                            | i c             | }              | s              | c<br>I        | İ                    | SR3AS                   | 10.9 <br>  1           |             |
| [-N]           | 1                    | i i   | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | [ 420<br>[ 16                        | FT<br>  TN                         | i c             | i c            | s              | i c           |                      | SR-3A                   | 11.3                   |             |
| [-N]           |                      | j i   | SAW CUT CONCRETE   | j 10                                 |                                    | ic              | i –            | , s            |               |                      |                         | i 1.5                  |             |
| 1              | CC-WLK               | i i   | CONCRETE SIDEWALK SECTION (5X5) FINISHE<br>CONCRETE - 6 SACK (3/4" ROCK MIX)   | D   2<br>  1                         | EA                                 | i c<br>i        | i              | i s            |               |                      |                         | 1 2.01                 |             |
| e-N            | ln-s/u               | i i   | TC-LANE CLOSURE URBAN STREET   | i 1                                  | -                                  | C               | 1              | s              | i c           |                      | TC3                     | 1.0                    |             |
| [-N]           | I<br> LN/S/S         | i i   | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1                                  | EA                                 |                 |                | Ş              | ,<br>  C<br>  | !                    |                         | 1 1.0                  |             |
| I-Nİ           | <br> ARRO-B<br>      | i I   | TC-ARROW BOARD ASSIST FOR TRENCHING  | j 1                                  | HR                                 |                 | i              | s              |               |                      |                         | 1 1.0                  |             |
|                | 1                    |   | TC-FLAGGING  |                                      |                                    |                 |                |                |               | 1                    |                         | 1.0                    |             |

SEE SHT 4,8

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I.

| DP001EM2-LC<br>09/05/17 11 |      | 01       |         |           |                | AN DIEGO<br>- DESIGN |         |       |            |         |                |         |       |                  |       | Ē                | PAGE NO 32 | 27      |
|----------------------------|------|----------|---------|-----------|----------------|----------------------|---------|-------|------------|---------|----------------|---------|-------|------------------|-------|------------------|------------|---------|
| PROJECT: 25                |      |          | REV:0   | TYPE: UD  | ) NAME :       | ROLANDO              | BLK 7G2 | 2 -T6 | C JOB      | 1       |                |         | S     | TATUS: A         | CT WO | RK ORDE          | R: 2960700 | 0       |
| DESIGN: 01                 | NAME | : ROLAND |         | T&C JOB 1 |                |                      | STAT    | JS: A | .CT        |         |                |         |       |                  |       |                  |            |         |
| LOCATION: 2                |      |          |         |           | IGNED BY       |                      |         |       |            |         |                |         |       | E: 999-9         |       |                  | N 291 OF 1 | 587     |
| WRK <br> F-C MU ID         |      | STOCK#1  |         | SCRIPTION | /CONSTRU       | CTION NO             | TES     | 1     | QTY<br>RQD | <br> UM | WRK I<br>RSPI1 | AT!TIN  | I ACC | STANDARD<br>PAGE | CREW  | EST  <br>  HOURS |            |         |
|                            |      |          | NO DESI | GN UNITS  | FOR THIS       | LOCATIO              | N       | 1     |            |         | l              | I<br>I  | <br>  |                  | <br>  | 1 [              |            |         |
| WORK FAC<br>FUNC CODE      |      |          | EXIST   | tag ne    | W TAG          |                      | ·       |       |            |         | CONST          | RUCTION | NOTE  | s                |       |                  |            | <b></b> |
|                            |      |          |         |           |                |                      |         | SEE   | SHT 4,     | , 8     |                |         |       | <b></b>          |       |                  | <b></b> -  |         |
| <u> </u>                   |      |          |         |           |                |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |
|                            |      |          |         |           |                |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |
|                            |      | _        |         |           |                |                      | · · · · |       |            |         |                |         |       |                  |       |                  |            |         |
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|                            |      |          |         |           |                |                      |         |       |            |         |                |         |       |                  |       |                  | <u> </u>   |         |
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|                            |      |          |         |           |                |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |
|                            |      |          |         |           | <del>.</del> . |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |
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|                            |      |          |         |           |                |                      |         |       |            |         |                | · · ·   |       |                  |       |                  |            |         |
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|                            |      |          |         |           |                |                      |         |       |            |         |                |         | ·     |                  |       |                  |            |         |
|                            |      |          |         |           |                |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |
|                            |      |          |         | <u></u>   |                |                      |         |       |            |         |                |         |       |                  |       |                  |            |         |

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Block 7G2 UUP Attachment E – Technical Specifications

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| ROJECT: 25       | 3568 JOE            | 3:01       | REV:0  | TYPE    | : UD  | NAME :  | ROLANDO  | ) BLK 7G2 | 2 -T&C JO    | 31           |  |       |             |              |                  | T WO  | RK ORDE            | R: 2960700  |
|------------------|---------------------|------------|--------|---------|-------|---------|----------|-----------|--------------|--------------|--|-------|-------------|--------------|------------------|-------|--------------------|-------------|
| SIGN: 01         | NAME: R             | OLANDO     | BLK 7G | 2 T&C J | DB 1  |         |          | STATU     | JS: ACT      |              |  |       |             |              |                  |       |                    |             |
| CATION: 2        | 92 SHEET:           | 01 D       | STRICT | : CM    | DESI  | GNED BY | ; GEORGE | E BONNER  |              |              |  |       |             |              | E: 999-99        |       |                    | N 292 OF 58 |
| RK <br>F-C MU ID | AU ID ST            | I.         |        | DESCŘIP | rion/ | CONSTRU | CTION NO | OTES      | QTY<br>  RQD | UM           | RSP                                    | RSP   | TIM <br>TRT | ACC  <br>TRT | STANDARD<br>PAGE | CREW  | EST  <br>  HOURS ! |             |
|                  | +<br>  PUMP-S  <br> | +<br> <br> |        | ND/OR C |       |         |          |           |              | 1   EA  <br> | ប                                      |       | S I         | C [<br>]     |                  | PUMPT | 2.0 <br>  2.0      |             |
| I-N              | VENT-C              |            | TEST/V | ENTILAT | е м.н | . (CONN | ECTIONS) | )         |              | <br>1 EA<br> | U                                      | 1 1   | si          | c  <br>      |                  | 2WF3  | 0.4                |             |
| ,                | LN-S/U              |            | TC-LAN | e closu | rê UR | BAN STR | EET      |           | i            | 1]EA         | U                                      | i i   | SI          | сi           |                  | TC3   | 1.0 <br>  1        |             |
| -N               | LN/S/S              |            | LANE C | LOSURE  | URBAN | ST (ST  | REET REI | PAIR)     |              | 1 EA         | ΰΰ                                     | i I   | S           | ci           |                  | TC4   | 1.01               |             |
| I-N              | CORE-3              | 1<br> <br> | CORE E | RILL 3  | IN    |         |          |           |              | 1 EA         | Ū                                      | 1     |             | ci           |                  | 3SWF3 |                    | ;           |
|                  | DESC                |            |        | T TAG   |       | TAG     |          |           | SEE SHT      |              | :::::::::::::::::::::::::::::::::::::: | TRUC1 | ION         | NOTE         | .s<br>           |       |                    |             |
|                  |                     |            |        |         |       | TAG     |          |           | SEE SHT      |              |  | TRUC1 | "ION        | NOTE         |                  |       |                    |             |
|                  |                     |            |        |         |       | TAG     |          |           | SEE SHT      |              | CONS                                   | TRUC1 | "ION        | NOTE         | S                |       |                    |             |
|                  |                     |            |        |         |       | TAG     |          |           | SEE SHT      |              |  | TRUCI | 10N         | NOTE         | S                |       |                    |             |
|                  |                     |            |        |         |       | TAG     |          |           | SEE SHT      |              |  |       |             | NOTE         | S                |       |                    |             |
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|                  |                     |            |        |         |       | TAG     |          |           | SEE SHT      |              |  |       |             | NOTE         | S                |       |                    |             |

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| ROJECT: 2         | 253568          | JOB:01             | SAN DIEGU GAS AND<br>DPSS - DESIGN REVIEW C<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                    | -T&C JOB        | 1                  |               |            |             | :           | STATUS: AC | T WOI                        |                      | R: 2960700  |
|-------------------|-----------------|--------------------|--|-----------------|--------------------|---------------|------------|-------------|-------------|------------|------------------------------|----------------------|-------------|
| ESIGN: 01         |                 |                    | O BLK 7G2 T&C JOB 1 STATUS   |                 |                    |               |            |             |             |            |                              |                      | ~======     |
| CATION:           | 293 SHE         | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                 |                    |               |            |             | PHO         | NE: 999-99 | 99 1                         | LOCATIO              | N 293 OF 58 |
| F-C MU II         | ]<br> AU ID     | STOCK#             | DESCRIPTION/CONSTRUCTION NOTES   | RQD             | UM                 | RSP           | RSP        | TRT         | TRT         |            | TYPE                         | HOURS                |             |
| [-N <br>1         |                 | [ ]                |  | 30              | [FT                | Ċ             | l I        | S           | C           | G7453      | 3-WE3                        | 11.3                 |             |
| [_N]              | BKF-3 '<br>     |                    | BACKFILL TRENCH 3 FOOT DEEP  | 30              | FT                 | <br>  C<br>   | Ì          | S<br>       | i c<br>I    | 1          | 3-WF3<br> C-BC               | 0.5                  |             |
| <br> -N <br> <br> |                 | 611492             | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          |                 | <br>  FT<br>  TN   | <br>  C<br>   | i c<br>I   | S<br> <br>  |             | G7405<br>  | C-BH<br> C-DT                | 0.1                  |             |
|                   | [1DB3-S         | i i                | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1 30            | FT<br>  FT         |               | l<br>C     | I S         | I C         | 3373.1<br> | 1                            | 0.5                  |             |
| -N[               | [R-XCES         | I I                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 30<br>i 3     | FT<br>  CY         | C<br>         |            | <br>  S<br> | •           | [          | IC-DT                        | 0.81                 |             |
| -N                | ICC-2CT         | i i                | CONCRETE 2 SAW CUT AND BREAK MECH  | 1 30            |                    | i c           | <br>       | 1<br>1 S    | i<br>i c    | ſ          | <br>  SR3AS                  | 1.21                 |             |
| -N[               | CF-H12          | i i                | FINISH CONCRETE SURFACE MAN 12 IN  | 30              |                    | i c           | -          | ]<br>] S    |             | [          | <br>  SR3CS                  | 0.1                  |             |
| [-N <br> <br>     | [<br>]          | x20201;<br>114215; | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 6<br>  5        | FT<br>  EA<br>  TN | i c<br>1      |            | I S         | <br>  C<br> | G7453      | <br> C-BC<br> C-BH<br> 3SWF4 | 0.21<br>0.21<br>0.51 |             |
| -N                | REM-3 '         | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 6<br>1 2      | CY                 | i c<br>I      |            | [ S         | с           |            | I<br>[C-DT                   | 0.5                  |             |
| -N  <br>          | SLR-18<br>      |                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 18<br>  2       | CY                 | ,<br>, C<br>, |            | I           | i           |            |                              | i i                  |             |
| -N ]              | 1EB3SL<br> <br> | 249664 <br>656400  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 6<br>  6<br>  1 | FT<br>CY           | C<br> <br>    | і с<br>  с | <br>  .     | C<br> <br>  | 3376.1     |                              | 0,1[                 |             |
| -N  <br> <br>     | 1-3SLB          | 322048<br>6564001  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1<br>  1<br>  1 | EA<br>CY           | C<br> <br>    |            | S           |             | l          |                              | 0.1                  |             |
| -N                | LN-S/U          |                    | TC-LANE CLOSURE URBAN STREET   | 1               |                    | l<br>C        | 1          | s           | с           |            | <br> TC3                     |                      |             |
| -N                | <br> LN/S/S     | i i                | LANE CLOSURE URBAN ST (STREET REPAIR)  |                 |                    |               |            |             | с           |            | ITC4                         | 1.0                  |             |
| -N                | <br>  CC-2CT    | i i                | CONCRETE 2 SAW CUT AND BREAK MECH  | i 6             |                    | i C           | ſ          | S           | C           |            |                              | 0.21                 |             |
| -N                | <br> CF-H18     |                    | FINISH CONCRETE SURFACE MAN 18 IN  |                 |                    | l<br>I C      |            | 5           |             |            | [  <br>[SR3CS]               |                      |             |

# SEE SHT 4

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## CONSTRUCTION NOTES

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| DP001EM2-LOCA140-001<br>09/05/17 11:36                | SAN DIEGO GAS AND ELE<br>DPSS - DESIGN REVIEW COPY |                       |  |                    |                | PAG             | E NO 330   |
|---|--|-----------------------|--|--------------------|----------------|-----------------|------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD                 | NAME: ROLANDO BLK 7G2 -Te                          | C JOB 1               |  | STATUS: AC         | T WOI          | K ORDER:        | 2960700    |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1            | STATUS: A  | ACT                   |  |                    |                |                 |            |
| LOCATION: 294 SHEET: 01 DISTRICT: CM DESIGN           | NED BY: GEORGE BONNER                              |                       | PHO  | NE: 999-99         | 99 1           | OCATION         | 294 OF 587 |
|   | ONSTRUCTION NOTES                                  | QTY     <br>  RQD  UM | WRK   MAT   TIM   ACC<br>RSP   RSP   TRT   TRT | STANDARD<br>  Page | CRÉW<br>  TYPE | EST  <br> HOURS |            |
| ++++<br>           <br>            NO DESIGN UNITS FO |  |                       |  |                    |                | t<br>1          |            |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW '            | TAG  | C                     | ONSTRUCTION NOT                                | ES                 |                |                 |            |
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| 9/05/17 1<br>ROJECT: 2 | 253568          | JÓB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1   | &C JOB            | 1                  |               |            |              | :          | STATUS: AC         | T WO                         | RK ORDE              | R: 2960700  |
|------------------------|-----------------|-------------------------|---|-------------------|--------------------|---------------|------------|--------------|------------|--------------------|------------------------------|----------------------|-------------|
|                        |                 |                         | O BLK 7G2 T&C JOB 1 STATUS:   |                   |                    |               |            |              |            |                    |                              |                      |             |
|                        |                 | PT - 01                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |               |            |              | PHO        | NE: 999-99         | 99 :                         | LOCATIC              | N 295 OF 58 |
|                        | <br> AU ID      | E I                     |   | I OTY             | ;                  | IWRK          | MAT<br>RSP | TIM          | ACC<br>TRT | STANDARD<br>  PAGE | CREW<br> TYPE                | EST  <br> HOURS      |             |
| I-N                    | 3'HD-A          | F I                     |   | 17                | ίFΤ                | C I           |            | S I          | С          | G7453              | 3-WF3                        | 6.6                  |             |
| I-N  <br>              |                 | i i                     | BACKFILL TRENCH 3 FOOT DEEP   | i                 | FT<br>             | i c<br>I      | . 1        | S I          | C          | 1                  | 3-WF3<br> C-BC               | ( 0.3)<br>  0.3      |             |
|                        | ISHD-12         |                         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED         | 17<br>  1         | TN<br>             | C<br> <br>    | c          | SI           | C          | G7405<br>I         | <br> 3-WF3<br> C-BH<br> C-DT | 0.1)<br>0.1)<br>0.1) |             |
| I-N]                   | [               | <br> 249664 <br>        | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                 | 17<br>  17        | FT<br>  FT         | Ì             | c i        | ĺ            | С          | 3373.1<br>         | 1                            | 0.3                  |             |
| I-N[<br>[              | [ R-XCES        | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | i 17<br>i 2       | CY                 | i c<br>I      | c          | i i          | ¢          | <br>               | IC-DT                        | 0.4                  |             |
| ∑-N[                   | CC-2CT          | i i                     | CONCRETE 2 SAW CUT AND BREAK MECH   | i 17              |                    | i c           |            | SI           | С          | [                  | SR3AS                        | 0.71                 |             |
| I-N                    |                 | 1 1                     | FINISH CONCRETE SURFACE MAN 12 IN   | i 17              | FT                 | [<br>] C      |            | 5  <br>5     | С          | ĺ                  | <br> SR3CS                   | 0.1                  |             |
| I-N <br>               | ЭНОЗХН<br> <br> | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | i 6<br>  5<br>  1 | EA<br>  TN         | i c<br>i<br>1 |            | S  <br> <br> |            | G7453<br> <br>     | <br> C-BC<br> C-BH<br> 3SWF4 | 0.21                 |             |
| I–N <br> <br>          | REM-3 '         |                         | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 1 6<br>1 2        | İCY                | 1 C           |            | S  <br>      | С          | [<br>              | C-DT                         | 0.5                  |             |
| I-N <br>               | SLR-18          | i i                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    | 18<br>  2         | CY                 | [ C           | i c i      | s  <br>      | с          | G7409              | <br> 3-WF3<br>               |                      |             |
| IN<br> <br>            | 1EB3SL<br> <br> | <br> 249664 <br> 656400 |   | 6<br>  6<br>  1   | FT<br>  FT<br>  CY | i c<br> <br>  | C  <br>  C | S  <br> <br> | с          | 3376.1<br> <br>    | <br> 3-wf3<br> <br>          | 0.1                  |             |
| I-N!                   | (1-3SLB<br>(    | 322048 <br> 656400      |   | i 1<br>i 1<br>i 1 | EA<br>  CY         | C<br> <br>    | 1 C I      | S  <br>[     | С          | 3373.2<br>         | 1                            |                      |             |
| I-N                    | LN-S/U          |                         | TC-LANE CLOSURE URBAN STREET  | i 1               | EA                 | i C           | •          | s (          |            | Í                  | I<br>ITC3                    | 1.0                  |             |
| [-N                    |                 | i i                     | LANE CLOSURE URBAN ST (STREET REPAIR)   |                   | <br>  EA           |               |            | s            | с          | İ                  | ITC4                         | 1.0                  |             |
|                        | CC-2CT          | İ                       | CONCRETE 2 SAW CUT AND BREAK MECH   |                   |                    | l C           |            | <br>5        |            | l                  | <br>  SR3AS                  | 0.21                 |             |
| <br>I-N                | <br> CF-H18     |                         | FINISH CONCRETE SURFACE MAN 18 IN   |                   | ]<br> FT           |               |            | <br>S        |            |                    | SR3CS                        |                      |             |

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#### CONSTRUCTION NOTES

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| OJECT: 25             | 3568            | JOB:01             | REV:0 TYPE: U                                       | D NAME: ROLANDO                              | D BLK 7G2 -Ta                                | C JOB             | 1                      |            |          | _           |     |                  |                          |             | R: 2960700  |
|-----------------------|-----------------|--------------------|---|--|--|-------------------|------------------------|------------|----------|-------------|-----|------------------|--------------------------|-------------|-------------|
| SIGN: 01              |                 |                    | O BLK 7G2 T&C JOB                                   | 1  | STATUS: A                                    | TCA               |                        |            |          |             |     |                  |                          |             |             |
| CATION: 2             | 96 SHE          | ET: 01             | DISTRICT: CM DE                                     | SIGNED BY: GEORGE                            | E BONNER                                     |                   |                        |            |          |             |     | NE: 999-99       |                          |             | N 296 OF 58 |
| ושמעו                 | <br> AU ID      | [ [<br> STOCK#     | DESCRIPTIO  |  | OTES   | RQD               | UM                     | RSPi       | RSPI     | TIM <br>TRT | ACC | STANDARD<br>PAGE | TYPE ]                   | HOURS       |             |
| I-N                   | 3313TC          | 1  <br> 400302     | HANDHOLE 3313 WI<br>3313 TRAFFIC C                  | TH TRAFFIC COVER                             | MPLETE                                       | 10<br>10          | EA <br> EA             | CI         | 1<br>C 1 | - 1         |     | 3313             | BOOMT  <br>  3-AF4  <br> | 5.01        |             |
| I-N                   | X13H-A          |                    | EXCAVATE 3313 HA                                    | NDHOLE                                       |  | 1                 | IEA I                  | CI         | 1        | SI          | Ç   | 3313.2           | 3SWF3                    | 0.41        |             |
| I-NI                  | <br> CC-1CT<br> | 1 1                | CONCRETE 1 SAW C                                    | UT   |  | 1 1               | FTI                    | сİ         | 1        | S I         | С   |                  | SR3AS                    | L,          |             |
| I-N                   | AD-P-H          | 1  <br> 248205     | ADJUST HH TO GRA<br>CONCRETE - 6 S                  |  | IX)  | I<br>  <u>1</u>   | EA                     | С          | ci       | 5  <br>     | С   |                  | SR3CS <br> BOOMT         | 1.5 <br>4.0 |             |
| <br> -N <br> <br>     | 1-3SLB<br> <br> | 322048 <br> 656400 | 1-3 IN DE 90 D 3<br>BEND CONDUIT D<br>SLURRY MIX, 1 | DB 3 IN 90 D 36 I                            | RY ENC<br>N R                                | i 3<br>1 3<br>1 1 | EA  <br>  EA  <br>  CY | C          | с  <br>с | SI          | Ċ   | [3373_2<br>]<br> | 3-WF3 <br>               | 0.21        | <u>z.</u>   |
|                       | LN-S/U          |                    | TC-LANE CLOSURE                                     | URBAN STREET                                 |  | , 1               |                        |            | 1        |             | с   | i                |                          | 1.0         |             |
| I-N                   | <br> LN/S/S     |                    | LANE CLOSURE URE                                    | AN ST (STREET RE                             | PAIR)  |                   |                        |            |          |             |     |                  |                          |             |             |
| WORK FAC<br>FUNC CODE |                 |                    | EXIST TAG N   | NEW TAG                                      | SEE  | SHT 4             |                        | CONST      | RUCI     | TION        | NOT | ES               |                          |             |             |
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| ROJE                    | ст: 253     | 568 .  | JOB:01                                  | REV:0 TYPE: 1  | JD NAME: RO               | LANDO BLK 7G2 -         | TeC JOB                  | l                                  |              |           |                | 5          | STATUS: AC               | T WOI                   | RK ORDE           | IR: 2960700 |
|-------------------------|-------------|--------|---|--|---------------------------|-------------------------|--------------------------|------------------------------------|--------------|-----------|----------------|------------|--------------------------|-------------------------|-------------------|-------------|
| ESIG                    | N: 01       | NAME   | ROLAND                                  | Ó BLK 7G2 T&C JOB  | 1                         | ድጥኳምጠና•                 | ACT                      |                                    |              |           |                |            |                          |                         |                   |             |
|                         |             |        | er: 01                                  | DISTRICT: CM D   | STANED BY. G              | FORGE BONNER            |                          |                                    |              |           |                | PHO        | NE: 999-99               | 999 1                   | LOCATIC           | N 297 OF 5  |
| WRK <br>F-C 1           | MU ID       | AU ID  | , ,                                     | DESCRIPTIO   |                           |                         |                          | 1                                  |              | 13.670 07 | TIM <br> TRT   | ACC<br>TRT | STANDARD<br>  PAGE       | CREW                    | EST  <br> HOURS   |             |
| I-N∣                    | ].          | AS-2CT | +<br>                                   | ASPHALT 2 SAW (  | CUT AND BREAK             | MECH                    | 47                       | +                                  | ;            | +         | S              | С          | +<br>1                   | SR3AS                   | 1.2               | ·           |
| ]<br>I-N<br>]<br>]<br>] | •           |        | 114202                                  | ASPHALT 2 SAW (<br>ASPHALT BASE &<br>GRIND ASPHALT<br>ASPHALT (BASE<br>ASPHALT (TOP)     | 1                         | 8 IN                    |                          |                                    |              |           |                |            | <br> <br> <br> <br> <br> |                         |                   |             |
| I-N[<br>[<br> <br>      |             | вн04хн | X20201                                  | MACH DIG TRENCH<br>TRAFFIC BEARIN<br>ASPHALT, COLD                                       | NG STEEL PLAT             | E                       | 87<br>  87<br>  1        | FT  <br>  EA<br>  TN               | C<br> <br>   |           | S              | С          | G7453<br> <br>           | C-BC<br> C-BH<br> 3SWF4 | 4.4<br>4.4<br>8.7 |             |
| [-N                     | i           | REM-4' | i i                                     | TRENCH SPOIL 4<br>DUMPING FEE  | FT DEPTH                  |                         |                          | FT                                 | C            | 1         | SI             | C          |                          | IC-DT                   | 10.4              |             |
| C-N <br>                |             | SLR-18 | <br> 656400                             | BACKFILL SLURRY<br>SLURRY MIX, 1   | 18 IN WIDE X<br>SACK SAND | 12 IN DEEP              | 261<br>  15              | FT<br>  C⊻                         | C<br>        | l<br>I C  | [ S  <br>[ ]   | С          | G7409<br>                | 1                       | 0.5               |             |
| <br>1–N                 |             | plantu |   | RÉMOVE/REPLACE 1   | LANDSCAPING               |                         | <br>  80                 | FT                                 | i<br>I C     |           | S              | с          |                          | <br> 3-WF3              | 8.01              |             |
| I-N <br> <br> <br> <br> |             |        | 248201 <br>249664 <br>663528 <br>663530 | 1-3 IN EB CONDU<br>CONCRETE - 2 S<br>CONDUIT DB 3 S<br>SPACER INTERMI<br>1 IN BASE SPACE | EDIATE 5 IN 2             | MIX)<br>TH<br>-WAY      | 47<br>  1<br>  47<br>  8 | FT<br>  CY<br>  FT<br>  EA<br>  EA | [ C<br> <br> |           |                | С          | 3376.1                   |                         | 0.7[              |             |
| [N]<br> <br>            | 1           | 1-3SLS | 322144 <br>6564001                      | 1-3 IN DB 22.5 I<br>BEND CONDUIT I<br>SLURRY MIX, 1                                      | DE 3 IN 22.5              | D 25 FT R               | 4<br>  4<br>  1          | EA<br>  EA<br>  CŸ                 | C<br> <br>   | C<br>  C  | S  <br>   <br> | C I        | 3373.2                   | i i<br>1 i              | 0.7<br> <br>      |             |
|                         |             | SAW-CC |   | SAW CUT CONCRETE   | 5                         |                         | i 20                     |                                    | С            | [         |                | Сİ         | T                        | <br> SR-3C              | 2.0               |             |
| -n <br>                 | i i         | I      | I                                       | CONCRETE SIDEWAI<br>CONCRETE - 6 S   |                           | X5) FINISHED<br>CK MIX) | 4                        | EA  <br>  CY                       | C            | <br>  C   |                | ¢i         |                          | <br>  5R3CS  <br>       | 4.0               |             |
| I <b>-</b> N j          |             | LN-S/U | ĺ                                       | TC-LANE CLOSURE  | URBAN STREET              |                         | 1 1                      | EA                                 | С            | i         | <br>  S        | сi         |                          |                         |                   |             |
| 1<br>[-N]               | i:          |        | i                                       | LANE CLOSURE URE   | BAN ST (STREE             | T REPAIR)               | i 1                      | [ EA                               |              | i –       | SI             |            |                          | <br> TC4                | 1.0               |             |
| i<br>14-1<br>1          | i.          | XING-U | i                                       | TC-TRAFFIC CONDI<br>ASPHALT, COLD  | TIONS STREET<br>MIX       | CROSSINGS               | <br>  1<br>  1           | ĒTĪ                                | С            | i –       | <br>  S  <br>  | сі         |                          | TC4  <br>  TC4          | 0.1               |             |
|                         | FAC<br>CODE | DESC   |   | EXIST TAG  | iew tag                   |                         |                          | <br>C                              | CONS         | IRUC      | rion           | NOTE       | <br>S                    |                         |                   |             |

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| ROJECT: 253568 JOB:01                          | DPSS - DESIGN REVIEW COP<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 - 9                        | T&C JOB 1                       |                    | STATUS: J                             | ACT WO         | RK ORDER | : 2960700 |
|--|---|---------------------------------|--------------------|---------------------------------------|----------------|----------|-----------|
| SIGN: 01 NAME: ROLAND                          |   |                                 |                    |                                       |                |          |           |
|  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   | <b></b>                         |                    | PHONE: 999-9                          | <br>9999       | LOCATION | 298 OF 58 |
| WRKI I I I                                     |   | QTY    WRK                      | IMATITÍM           | ACCISTANDARI                          | )   CREW       | EST      | <b>_</b>  |
| F-C MU ID  AU ID  STOCK#                       | DESCRIPTION/CONSTRUCTION NOTES  | ROD  UM RSF                     | RSPITRT            | [TRT   PAGE                           | TYPÉ           | HOURS    |           |
| I-N   1EB3SL   <br>     249664 <br>     656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 87 FT  C<br>  87 FT <br>  2 CY] | \$<br>  Ċ  <br>  C | C  3376.1<br>   <br>                  | 3-WF3<br> <br> | 1 1.2    |           |
| <br>I-N   LN-S/U                               |   | EA C                            | 1 1 5              | ici                                   | TC3            | 1.0      |           |
|  | LANE CLOSURE URBAN ST (STREET REPAIR)   | <br>  1 EA  C                   | S                  |                                       | <br>[TC4       |          |           |
| work fac                                       |   |                                 |                    |                                       | #_             |          |           |
| FUNC CODE DESC                                 | EXIST TAG NEW TAG   |                                 | TRUCTION           | NOTES                                 |                |          |           |
|  | SEI   | e sht 4<br>                     |                    |                                       |                |          |           |
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| ROJECT: 23              | 53568            | JOB:01                  | REV:0 TYPE: UD NAME: ROLANI   | 00 BLK 7G2 -T& | С ЈОВ       | 1                      |       |            |              | 5   | STATUS: AC      | T WO                    | RK ORDE       | R: 2960700  |
|-------------------------|------------------|-------------------------|---|----------------|-------------|------------------------|-------|------------|--------------|-----|-----------------|-------------------------|---------------|-------------|
|                         |                  |                         | 0 BLK 7G2 T&C JOB 1   |                |             |                        |       |            |              |     | • <b></b>       |                         |               |             |
| OCATION: 2              | 299 SHE          | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORG   | SE BONNER      |             |                        | ,     |            |              | PHO | NE: 999-99      | 99 :                    | LOCATIC       | N 299 OF 58 |
| WRKI                    | 1                | l i                     | DESCRIPTION/CONSTRUCTION 1  | 1              | OTY         | 1 .                    | । আহস | וידיבואו   | TMI          | ACC | CTANDARD        | I CREW                  | EGT I         |             |
| I-N[                    | 3'HD-A           |                         | HAND DIG TRENCH 3 FT DEEP AVE   | 1              | 18          | ÊT                     | C     |            | S (          | ¢Ι  | (G7453          | (3-WF3                  | 7.0           |             |
| I-N <br>[               |                  | i i                     | BACKFILL TRENCH 3 FOOT DEEP   | 1              | 18          | FT                     | с     |            | S I          | С   | Ē               | 3-WF3<br> C-BC          | 0.31          |             |
| <b>I −</b> N [<br> <br> | 1                | 611492 <br>             | SHADE TRENCH WITH SAND - 12 INCH<br>SAND, FILL RECYCLED MATLS PRI                             |                | 18<br>1     | TN<br>                 |       |            | S (<br> <br> | С   | [G7405<br> <br> | 3-WF3<br> C-BH<br> C-DT |               |             |
| I-N                     | I.               | <br> 249664             | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | 1<br>[<br>]    | 18<br>18    | FT                     | C     |            | Í            | С   | 3373.1          | E                       | 0.3           |             |
| 1-11                    | R-XCES           | X30007                  | EXCESS TRENCH SPOIL (12 IN DEE)<br>DUMPING FEE  | ?)  <br>       | 18<br>2     | ICY                    | с     | i c i      | S  <br>      | с   |                 | [C-DT                   |               |             |
|                         |                  |                         | CONCRETE 2 SAW CUT AND BREAK ME   | ECH            | 18          |                        | c     |            | s            | с   |                 |                         | 0.7           |             |
| I-N                     | CF-H12           | 1 1                     | FINISH CONCRETE SURFACE MAN 12  | 2 IN           |             | 1<br>  FT              | С     |            | S            |     | I               |                         | 0.1           |             |
| I-N <br> <br>           | 1                | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACK<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX            | ioe  <br> <br> | 5<br>1      | ] EA<br>] TN           |       | C  <br>  C | s (<br>      |     | G7453           | C-BC<br> C-BH<br> 3SWF4 | 0.2 <br>  0.5 |             |
| I-N <br>                | REM-3'           | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                | 6<br>2      | FT<br> CY              | С     | <br>  c    | S  <br>      | с   | 1               | C-DT                    | i i           |             |
| I-N:                    | ISLR-18          | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12<br>SLURRY MIX, 1 SACK SAND                                    | IN DEEP        | 18<br>2     | CY                     | С     | ici        | S I          | ĺ   | G7409           | <br> 3-WF3<br>          | i             |             |
| [<br>I-N <br> <br>      | 1EB3\$L<br> <br> | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASEI<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND   |                | 5<br>5<br>1 | FT  <br>  FT  <br>  CY | c     |            | S  <br> <br> | C I | 3376.1          | <br> 3-WF3<br> <br>     | 0.1           |             |
| I-N <br> <br>           | 1-3SLB<br> <br>  | 3220481<br>6564001      | 1-3 IN DE 90 D 36 IN R BEND SLUF<br>BEND CONDUIT DE 3 IN 90 D 36 I<br>SLURRY MIX, 1 SACK SAND |                | 1<br>1<br>1 | EA <br> CY             | С     |            | S  <br>      | CI  | 3373.2          | 1                       | 1             |             |
| I-N                     | LNS/U            |                         | TC-LANE CLOSURE URBAN STREET  |                | 1           |                        | С     |            | S            | c   |                 |                         | 1.0           |             |
| [-N                     | <br> LN/S/S      | i i                     | LANE CLOSURE URBAN ST (STREET RE  | PAIR)          | 1           |                        | С     |            | s            |     |                 | TC4                     | 1.0           |             |
| I-N1                    | ICC-2CT          | i i                     | CONCRETE 2 SAW CUT AND BREAK ME   | ICH            | 6           | •                      | C     |            | s i          | Сİ  |                 | SR3AS                   | 0.2           |             |
|                         | (<br> CF-H18     |                         | FINISH CONCRETE SURFACE MAN 18  | <br>3 IN       |             |                        |       |            |              |     |                 | <br> SR3CS              |               |             |

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## CONSTRUCTION NOTES

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| ROJECT: 25        | 53568 J     | IOB:01  | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                        | 2 -T&C JOB        | 1                 |                  |                |             | 5             | STATUS: AC                | T WOE                   | KK ORDES          | R: 2960700                             |
|-------------------|-------------|---------|--|-------------------|-------------------|------------------|----------------|-------------|---------------|---------------------------|-------------------------|-------------------|--|
| LSIGN: 01         | NAME :      | ROLAND  | D BLK 7G2 T&C JOB 1 STAT   | US: ACT           |                   |                  |                |             |               |                           |                         |                   |  |
| OCATION: 3        |             | T: 01 1 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                   |                  |                |             | PHON          | TE: 999-99                | 99 1                    | LOCATIO           | N 300 OF 587                           |
|                   |             |         |  | 1 0 0001          | 1                 | 1775 141         | MAT<br>RSP     | TIM         | ACC           | STANDARD<br>PAGE          | CREW                    | EST               |  |
| +<br>I <i></i> N  | J3'HD-A     | ++`<br> | HAND DIG TRENCH 3 FT DEEP AVE  | 27                | FT                | C                | 1              | 5           | I C I         | G7453                     | 3-WF3                   | 10,2              |  |
| <br>I-N <br>      | 1           |         | BACKFILL TRENCH 3 FOOT DEEP  |                   | <br> FT           | <br>  ¢          | <br>           | <br>  \$    |               |                           | <br> 3-WF3<br> C-BC     | 0.4               |  |
| <br>I-N]<br>]     |             | 611492  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 2                 | TN<br>            | 1                | i c<br>I       | 1           | i c<br>I<br>I | G7405                     | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1     |  |
| l<br>I-N  <br>    | 110B3-S     | 249664  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 27<br>  27        | ] FT              | C<br>            | <br>  c .      | S           | E C           | 3373.1                    | <br> 3-w£3<br> <br>[    | [ 0.4]<br>[ [     |  |
| [-N]              | ļ           | X30007  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 27              | FT<br> CY         | i c              | l<br>F C       | S           | i C           | 1<br>                     | C-DT                    | 0.71              |  |
| <br>1-n           | CC-2CT      |         | CONCRETE 2 SAW CUT AND BREAK MECH  | 27                | FT                | <br>  C<br>      | 1              | 5           | l c           |                           | SR3AS                   | 1.1 <br>          |  |
| <br>I-N[          |             | i i     | FINISH CONCRETE SURFACE MAN 12 IN  |                   |                   | i c              | i              | S           | i c           | i                         | SR3CS                   | 0.1               |  |
| <br>I-N <br> <br> | 1           | X20201  | MACH DIG TRENCH 3 FT DEEP BACKHOË<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 1 5               | EA<br> TN         | 1                | <br>  C<br>  C | S<br>       | i ¢<br> <br>  | G7453<br> <br>            | C-BC<br>C-BH<br>3SWF4   | 0.2<br>0.2<br>0.5 | ······································ |
| I-N               | REM-3'      | X30007  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 6<br>i 2        | FT                | 1                | ~              | ្ទ          | 1             | l<br>I                    | C-DT                    | [ ]               |  |
| I-N               | - İ         | 656400  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 18              | I CY              | 10               | c              | 15          |               | ]67409                    | 3-WF3                   | 1  <br>1 1        |  |
| I-N <br> <br>     | 1EB3SL      | 249664  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 17<br>  17<br>  1 | IFT<br>IFT<br>ICY | C<br> <br>       | <br>  C<br>  C | S<br> <br>  | C<br> <br>    | 3376.1<br> <br>           | 13-WF3                  | 0.2               |  |
| <br> -N <br> <br> | 1-3SLB      | 322048  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND COMPUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | i 1<br>i 1        | EA<br> EA<br> CY  | . <b>!</b><br>'[ | <br>  C<br>  C | \$<br> <br> | C<br> <br>    | 1 <b>3373.2</b><br>1<br>1 |                         | 1 1               |  |
| l<br>I-N          | LN-S/U      |         | TC-LANE CLOSURE URBAN STREET   | į 1               | IEA               | i c              |                |             | C             | j.                        | TC3                     |                   |  |
| I-N               | <br> ln/s/s | i i     | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1               |                   | j c              |                |             | I C           | 1                         | TC4                     | 1 1.0             |  |
| i<br>I-N          | <br> CC-2CT | i i     | CONCRETE 2 SAW CUT AND BREAK MECH  | i e               |                   | 'i C             | i              | S           | 1<br>1 C      | 1                         | SR3AS                   | 0.21              |  |
| i<br>I-NI         | I<br>CF-H18 |         | FINISH CONCRETE SURFACE MAN 18 IN  |                   |                   | 1<br>1 C         |                |             |               |                           | <br>  SR3CS             |                   |  |

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## CONSTRUCTION NOTES

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| ROJECT: 25        | 3568          | JOB:01      | REV:0     | TYPE: UD                                | NAME: ROL                             | ANDO BLK 7G2 | -T&C JOB            | 1                      |     |                          |          |                                  | STATUS: A | CT WO                    | RK ORDE                    | R: 2960700  |
|-------------------|---------------|-------------|-----------|---|---------------------------------------|--------------|---------------------|------------------------|-----|--------------------------|----------|----------------------------------|-----------|--------------------------|----------------------------|-------------|
|                   |               | : ROLANE    | 0 BLK 7G2 | T&C JOB 1                               |                                       | STATUS       | : ACT               |                        |     |                          |          |                                  |           |                          |                            |             |
| OCATION: 3        | 01 SHE        |             |           |   |                                       | ORGE BONNER  |                     |                        |     |                          |          | PHO                              | NE: 999-9 | 999 1                    | LOCATIO                    | N 301 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID    | <br> STOCK# | DI        | ESCRIPTION/                             | CONSTRUCTIO                           | N NOTES      | ROD                 | ] UM [                 | RSP | RSP                      | TRT      | $\mathbf{T}\mathbf{R}\mathbf{T}$ | STANDARD  | TYPE                     | HOURS                      |             |
|                   | 1             | [X20201     | TRAFE.    | G TRENCH 3<br>IC BEARING<br>LT, COLD MI | FT DEEP BA<br>STEEL PLATE             | CKHOE        | 272<br>  204<br>  3 | FT  <br>  EA  <br>  TN | с   | <br>  C                  | S  <br>1 | С                                | G7453     | C-BC<br> C-BH<br> 3\$WF4 | 10.9 <br>  10.9 <br>  21.8 |             |
| I-N               | i i           | • •         | DUMPIN    | SPOIL 3 FT<br>NG FEE                    | DEPTH                                 |              |                     | [FT]<br>[CY]           | С   |                          | S I      | С                                |           | i i                      |                            |             |
| Ĩ−Ň <br>1         | SLR-18        | i i         | BACKFILI  | L SLURRY 18<br>Y MIX, 1 SA              | IN WIDE X<br>CK SAND                  | 12 IN DEEP   | <br>  544<br>  31   | FT                     | С   |                          |          |                                  | G7409     | <br> 3-WF3<br>           | 1.1 <br>                   |             |
| I-N <br> <br>     | 1             | 249664      | CONDU     |   | SLURRY ÉNCA<br>20 FT LENGT<br>CK SAND |              | 272<br>  272<br>  6 |                        | -   | <br>   <br>  C  <br>  C  | i        | С                                | 3376.1    | 3-WF3<br>                | 3.8 <br>     <br>          |             |
|                   | I             | 321878      | BEND (    |   | IN R BEND S<br>3 IN 45 D 3<br>CK SAND |              | i 3                 | EA                     |     | 1  <br>1  <br>1    <br>1 | i        | С                                | 3373.2    | <br> 3-WF3<br> <br>      | 0.2 <br>  0.2 <br>         |             |
| I-N[              |               |             | TC-LANE   | CLOSURE UR                              | BAN STREET                            |              | 1 1                 | EA]                    | с   | 11                       | SI       | с                                |           | TC3                      | [ ].0]                     |             |
| I-N[              | i<br>  LN/S/S | i i         | LANE CLO  | OSURE URBAN                             | ST (STREET                            | REPAIR)      | 1 1                 | EA                     | с   |                          | S [      | с                                |           | TC4                      |                            |             |
| E-N [             | <br> CC-2CT   |             | CONCRETI  | e 2 saw cut                             | AND BREAK                             | MECH         | 1 272               | T                      | с   | 11                       | SI       | С                                |           | SR3AS                    |                            |             |
| I-N               | (<br> CF-H18  |             | FINISH (  | CONCRETE SU                             | RFACE MAN                             | 18 IN        | 1 272               | <br> ET]               | с   | 1 ]<br>[ ]               | 5        | с                                | l<br>T    | I<br>I SR3CS             | · ·                        |             |

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| 09/05/17 11                   |            |              |   | DP                   | SS - DESI              | GO GAS AND<br>GN REVIEW ( | COPY - D     | TAT                       | L               |                |            |            |                    |                | P               | AGE NO 338                            |
|-------------------------------|------------|--------------|---|----------------------|------------------------|---------------------------|--------------|---------------------------|-----------------|----------------|------------|------------|--------------------|----------------|-----------------|---------------------------------------|
| PROJECT: 25                   | 3568 .     | TOB • 01     | REV:0 TYPE:   | TD NA                | ME: ROLAN              | DO BLK 7G2                | -T&C JO      | з 1                       |                 |                |            | 5          |                    |                |                 | R: 2960700                            |
| ESIGN: 01                     | NAME       | ROLANI       | DO BLK 7G2 T&C JOI                                      | 31                   |                        | STATU.                    | S: ACT       |                           |                 |                |            |            | - <u>-</u>         |                |                 |                                       |
| OCATION: 3                    | 02 SHE     | ET: 01       | DISTRICT: CM I  | DESIGNED             | BY: GEOR               | GE BONNER                 |              |                           |                 |                |            | PHOI       | NE: 999-99         |                |                 | N 302 OF 58                           |
| WRK <br>F-C MU ID             | <br> AU ID | <br>  stock# | DESCRIPT:   | ON/CONS              | TRUCTION               | NOTES                     | QTY<br>  RQD | ΙŪΝ                       | IRSP            | IRSP           | TRT        | TRT        | STANDARD<br>  PAGE | TYPE           | HOURS           |                                       |
| [                             | 3421-1<br> | <br> 514240  | PAD 3421 1-PHAS<br>PAD 1-PHASE 2                        | E TRANS              | FORMER                 |                           | 1            | 1 i EZ                    | L C             | Ì              | ŝ          | с          | 3421.1             | 3-AF4          | 0.41            |                                       |
| I-NÍ                          | X-XF1P     | ,<br>[       | PAD PREP 3421   |                      |                        |                           | 1            | 1   E#                    | vi c            | <br> <br>      | [S         | с          | 1                  | 13SWE3         | 0.4             | <del>.</del>                          |
| I-N                           | 1          | <br> 812816  | TRENCH GRD WIR<br>WIRE BARE CO                          | S W/O RO<br>PPER #2- | DS (TRANS<br>7 STR SOF | (CAP)<br>T DRAWN          |              | 1   E <i>X</i><br>8   LH  |                 | <br>  C        | I S        | I C        | 4510.1<br>         | 35WF3<br> <br> | 0.2 <br>        | <u> </u>                              |
| l I                           | 2-4SLB     | 322082       | 2-4 IN DB 90 D<br>4 IN DB 100<br>SLURRY MIX,            | 90 D 36              | IN R BEND              |                           |              | 1   EZ<br>2   EZ<br>1   C | 4  C<br>4 <br>4 | <br>  C<br>  C | S<br> <br> | C<br> <br> | 3373.2<br> <br>]   | 3-WF3<br> <br> | 0.1]<br>   <br> |                                       |
| I-N                           | 1-3SLB     | 1322048      | <br>  1-3 IN DE 90 D<br>  BEND CONDUIT<br>  SLURRY MIX, | DB 3 IN              | 190 D 36               | IN R                      | 1            | 3   EZ<br>3   EZ          | 7               | c              | S          | C<br>      | 3373.2<br>         |                | i I             |                                       |
| VORK FAC<br>FUNC CODE<br>I PD | DESC       |              | EXIST TAG   | NEW TAG<br>D218237   |                        |                           | SEE SHT      |                           | CONS            | TRƯĊ           | TION       | NOT:       | ES                 |                |                 |                                       |
|                               |            |              |   | <u></u>              |                        | . <u></u>                 |              |                           |                 |                |            |            |                    |                |                 | · · · · · · · · · · · · · · · · · · · |
|                               |            |              |   |                      |                        |                           |              |                           |                 |                |            |            | <u> </u>           |                |                 |                                       |
|                               |            |              |   |                      |                        |                           |              |                           |                 |                |            |            |                    |                |                 |                                       |
|                               |            |              |   | <u>.</u>             |                        |                           |              |                           |                 |                |            |            |                    |                |                 |                                       |
|                               |            |              |   |                      | <u>_</u>               |                           |              |                           |                 |                |            |            |                    |                |                 |                                       |
|                               |            | <b>.</b> -   |   | <del></del>          |                        |                           |              |                           |                 |                |            |            |                    |                |                 |                                       |
|                               |            |              |   |                      |                        |                           | <u></u>      |                           |                 |                |            |            |                    |                |                 |                                       |
|                               | ·          |              |   |                      |                        |                           |              |                           |                 |                |            |            |                    | <u>.</u>       |                 |                                       |
|                               |            |              |   |                      |                        |                           |              |                           |                 |                |            |            |                    |                |                 |                                       |

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|                       |                 |             | 0 BLK 7G2 T&C JO<br>DISTRICT: CM 1 |         |            |         |  |                        |              |            |      |     |                    |                           |                |  |
|-----------------------|-----------------|-------------|------------------------------------|---------|------------|---------|--|------------------------|--------------|------------|------|-----|--------------------|---------------------------|----------------|--|
| VRK <br>F-C MU ID     | <br> AU ID      | <br> STOCK# | DESCRIPT                           | ION/CON | ISTRUCTION | N NOTES | QTY<br>  RQD                           | I I<br>I UM I          | WRK<br>  RSP | MAT<br>RSP | TIM  | ACC | STANDARD<br>  PAGE | CREW                      | EST  <br>HOURS |  |
| [-N]                  | 3'HD-A          |             | HAND DIG TRENCI                    |         |            | ve      | 17                                     | FT                     | Ċ            |            |      |     | G7453              | 3-WF3                     | 6.6            |  |
|                       | <br> BKF-3'<br> |             | BACKFILL TRENCI                    | н 3 гос | DT DEEP    |         |  | <br>  FT  <br>         |              |            | S    | c   | İ.                 | <br> 3-WF3<br> C-BC       | 0.3            |  |
|                       |                 |             | SHADE TRENCH W<br>SAND, FILL 1     |         |            |         | 17<br>  1                              |                        |              |            |      |     | 1                  | 3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1     |  |
| •                     |                 |             | 1-4 IN DB CONDU<br>CONDUIT DB 10   |         |            | ENGTH   |  | FT  <br>  FT  <br>  FT |              | Ç          | S    |     | <br> 3373.1<br>    | <br> 3-WE3 <br>           | 0.3            |  |
| [ — N ]               |                 |             | EXCESS TRENCH :<br>DUMPING FEE     | SPOIL   | (12 IN D   | EEP)    | 1 2                                    | CY                     | С            | с          | i i  | С   | 1<br> <br>!        | C-DT                      | 0.4 <br>       |  |
|                       | <br>  PLANTU    | <br>        | REMOVE/REPLACE                     | LANDS   | CAPING     |         |  |                        |              |            | S    |     | 1                  | <br> 3-WF3                | 0.1            |  |
| VORK FAC<br>TUNĆ CODE |                 |             | EXIST TAG                          | NEW T2  | ₩G         |         |  | <br>C                  | CONST        | RUC        | TION | NOT | <br>Es             |                           |                |  |
|                       |                 |             |                                    |         |            |         | SEE SHT 5                              |                        |              |            |      |     |                    |                           |                |  |
|                       |                 |             |                                    |         |            |         | ······································ |                        |              |            |      |     |                    |                           |                |  |

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| DP001EM2-I<br>09/05/17 1 | LOCAL40-001<br>11:36      | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COF   | ECTRIC<br>Y - DEI          | AIL                    |          |                |            |              |                 |                     | PF              | GE NO 340    |
|--------------------------|---------------------------|--|----------------------------|------------------------|----------|----------------|------------|--------------|-----------------|---------------------|-----------------|--------------|
| énéman s                 |                           | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1  | 'SC JOB                    | 1                      |          |                |            | 5            | STATUS: AC      | T WOR               | K ORDER         | : 2960700    |
|                          |                           | DO BLK 7G2 T&C JOB 1 STATUS:   | 70.0710                    |                        |          |                |            |              |                 |                     |                 |              |
|                          |                           | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                            |                        |          |                |            | PHO          | NE: 999-99      | 99 1                | LOCATION        | 1 304 OF 587 |
|                          |                           | DESCRIPTION/CONSTRUCTION NOTES   | 1 OTY I                    | - F                    | MRKI     | MATI           | I TTM      | I ACC.       | ISTANDARD       | CREW                | EST             |              |
| I-N                      | 3'HD-A                    | WAND DIG TRENCH 3 FT DEEP AVE  | 1 151                      | FT                     | С        |                | S          | I C          | G7453<br>       | 3-WF3               | 5.9             |              |
| 1 [<br>]I-N]<br>]        |                           | BACKFILL TRENCH 3 FOOT DEEP  | 1 15                       | ET                     | с        |                | s<br>I     | i c<br>I     | ,<br>1          | (3-WF3<br> C-BC     | 0.2             |              |
| <br>  I-N <br>   <br>    | <br> SHD-12 <br>   611492 | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 15 <br>  1                 | FT  <br>  TN           | с        | i<br>I C       | S          | C<br>        | G7405<br> <br>  | C-BH<br> C-DT       |                 |              |
| I-N                      | 249664                    | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 15<br>  15                 | FT [<br>  FT ]         | С        | <br>  C        | S          | C<br>        | 13373.1<br>1    | <br> 3-WF3<br> <br> | 1 0.2 <br>  1   |              |
| I-N                      | I  X30007                 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 15<br>  2                  | FT                     | С        | с              | S          | C            | İ.              |                     | 0.41            |              |
| [<br> I-N                |                           | REMOVE/REPLACE LANDSCAPING   |                            | FT[                    | С        |                | s          | C            | l.              |                     | ! 0.1           |              |
| <br>  I-N  <br>          | X20201                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | <u>4</u> 2<br>  <u>3</u> 2 | IFT1<br>IEAI           | С        | i c            | I S        | C            | G7453<br>       | C-BC                | i 1.7 <br>  1.7 |              |
| ] I-N                    | REM-3' <br>   X30007      | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | J 11                       | CY                     |          | I C            | ļ          | 1            | 1               |                     | 1 1             |              |
| I -N                     | 1656400                   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | i 126<br>i 8               | FT  <br>  CY           | С        | i<br>I C       | s          | i c<br>I     | G7409<br>       | 3-WF3<br>           | i 0.3i          |              |
| I-N <br>                 | 249664                    |  | 42<br>  42<br>  1          | FT  <br>  FT  <br>  CY | C        | <br>  C<br>  C | S<br> <br> | C<br> <br>   | 3376.1<br> <br> | 3-WF3               | 1 1             |              |
| I-N                      | 322048<br>  656400        | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1<br>  1<br>  1            | IEA<br>ICY             | i c<br>I | <br>  C<br>  C | i          | ic<br>l<br>l | 3373.2<br> <br> |                     |                 |              |
| <br>  I-N                | lln-s/u                   | I TC-LANE CLOSURE URBAN STREET   | 1                          | EA                     |          | i –            | i s        | i c          | 1               | TC3                 | 1 1.0           |              |
| <br>  I-N]               | LN/S/S                    | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | j 1                        | EA                     | 1<br>1 C | [              | is         |              | i               | TC4                 | 1.0             |              |
| <br> I-N                 | CC-2CT                    | CONCRETE 2 SAW CUT AND BREAK MECH  | i 20                       | ] FT                   | C        | 1              | <br>  \$   | ΕC           | L               | SR3AS               | 0.81            |              |
| [<br> I-N                | 1<br> CF-H18              | <br>  FINISH CONCRETE SURFACE MAN 18 IN  | 1 20                       | FT                     | l<br>[C  | İ.             | <br>  S    | 1 C          | 1               | SR3CS               | 1 0.1           |              |
| I-N                      |                           |  |                            |                        |          | 1              |            |              | 1               | <br> 3-wf3          | 1 1             |              |

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## CONSTRUCTION NOTES

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| DP001EM2-<br>09/05/17 | -LOCAL40-001<br>11:36     |                | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW   | D ELECTRI<br>COPY - I | IC<br>DETA        | AIL                |              |            |            |            |                    |                         | F                       | PAGE NO 341 |
|-----------------------|---------------------------|----------------|--|-----------------------|-------------------|--------------------|--------------|------------|------------|------------|--------------------|-------------------------|-------------------------|-------------|
| PROJECT:              | 253568 JOB                | :01            | REV:0 TYPE: UD NAME: ROLANDO BLK 7G  | 2 -T&C JC             | в                 | 1                  |              |            |            |            | STATUS: AC         | т wo                    | RK ORDE                 | IR: 2960700 |
| DESIGN: (             | 01 NAME: R                | OLANDO         | BLK 7G2 T&C JOB 1 STAT   | JS: ACT               |                   |                    |              |            |            |            |                    |                         |                         |             |
| LOCATION:             |                           |                | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                       |                   |                    |              |            |            | PHO        | NE: 999-99         | 99                      | LOCATIO                 | N 305 OF 58 |
| WRK <br> F-C MU ]     | l  <br>ID  AU ID  ST      | OCK#1          | DESCRIPTION/CONSTRUCTION NOTES   | I QTY<br>I RQI        | ן ז<br>ג וו       | W<br>UM   F        | IRK  <br>RSP | MAT        | TIM<br>TRT | ACC        | STANDARD<br>  PAGE | I CREW                  | EST  <br> HOURS         |             |
| I-N                   | 3'HD-A                    | 1              | HAND DIG TRENCH 3 FT DEEP AVE  | 1                     | L6 i              | ET ]               | ¢Ι           |            | S          | C )        | G7453              | 3-₩F3                   | 6.3                     |             |
| I-N                   |                           | 1              | BACKFILL TRENCH 3 FOOT DEEP  | i                     | 16 1              | ET  <br>1          | CI           |            | S          | l C        |                    | 3-WF3<br> C-BC          | 0.21                    |             |
| [ [ [<br>[ I-N [<br>  | 61                        | 1492 <br>[     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | [ ]<br>{              | 16):<br>1 :       | FT  <br>FN         | ן C<br>ו     |            | S          | C<br> <br> | G7405<br> <br>     | 3-WF3<br> C-BH<br> C-DT | i i<br>I i              |             |
| I-N                   | 124                       |                | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 1                     | 611               | FT                 | I            | <br>  C    | s          | I C        | 3373.1             | 1                       | 0.2                     |             |
| I-N <br>              | R-XCES                    | 1<br>00071     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1                     | 16)1<br>2]0       | ET E               | с і          | <br>  C    | c          | c          |                    | <br> C-DT<br>           | i n 4 i                 |             |
| I-N                   | PLANTU                    | i              | REMOVE/REPLACE LANDSCAPING   | j 1                   | .6ji              | FT                 | сI           |            | S          | IC.        |                    | 3-WF3                   | 1.6                     |             |
| <br>I~N               |                           |                | ASPHALT 2 SAW CUT AND BREAK MECH   | 3                     | 34   1            | <br>FT             |              | i i        | s          | l C        |                    |                         | i 0.9                   |             |
| I-N                   | [11                       | 4201           | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i s                   | 34 [ ]            | ·<br>FT            |              | ש<br>ש     | S          |            |                    | C-BC<br> SR4AL          | <br>  0.9 <br>  0.9     |             |
| I-N<br>J              | BH03XH <br>   X2<br>   11 | 0201 <br>4215  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | Í.                    | 8(1               | EA  <br>FN         | 1            |            | S          | С          | G7453              | C-BC<br> C-BH<br> 3SWF4 | 0.4 <br>  0.4 <br>  0.8 |             |
| I-N[                  | REM-3' <br>   X3          | 00071          | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1                     | 0 1<br>3 0        | I<br>ETI<br>CY!    | C 1          | C 1        | S          | С          |                    | C-DT                    | <br>  0_9 <br>          |             |
| I-N <br>              | SLR-18 <br>   65          |                | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | i 3                   | 210               | FT  <br>CY         | 1 0          | c l        | 5          | С          | G7409              | E                       |                         |             |
| I-N <br> <br>         | 1EB3SL <br>   24<br>   65 | 96641<br>64001 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | i 8                   | 311<br>311<br>210 | FT  <br>FT  <br>CY | C  <br>      | C I<br>C I | S          | с          | 3376.1             | ,                       | 1.2                     |             |
| I-N <br> <br>         | 1-35LB <br>  [32:         | 2048           | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | i                     | 1)H<br>1)H<br>1)C | EA [<br>EA  <br>CY | C  <br>      |            | S          | С          | 3373.2             |                         | 1 1                     |             |
| I-N!                  | LN-S/U                    |                | TC-LANE CLOSURE URBAN STREET   | I                     |                   | <br>EA             | с 1          | 1          | S          | с          |                    |                         |                         |             |
| [<br>፤−N              | LN/S/S                    | 1              | LANE CLOSURE URBAN ST (STREET REPAIR)  | <br>1                 | <br>1 E           | <br>EA I           |              |            |            | cı         |                    | TC4                     | <br>  1.0               |             |
| I-N                   | SAW-CC                    | ł              | SAW CUT CONCRETE   |                       |                   | FT j               |              | i          | s i        | C          |                    | SR-3C                   | <br>  1.5]              |             |
| I-N                   | CC-WLK]                   | [<br>]         | CONCRETE SIDEWALK SECTION (5X5) FINISHED   |                       |                   | l<br>EA I          |              |            |            | c          |                    |                         | [<br>  1.0              | <b>—</b> –  |

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| 2001EM2-LOCAL40-001<br>9/05/17 11:36                 | DPSS - DESIG  | GO GAS AND ELECTRI<br>EN REVIEW COPY - D | ETAIL                           |          |                                       |                |                           | E NO 342   |
|--|---|--|---------------------------------|----------|---------------------------------------|----------------|---------------------------|------------|
| ROJECT: 253568 JOB:01                                | REV:0 TYPE: UD NAME: ROLANI   | 0 BLK 762 -T&C JO                        | в 1                             |          | STATUS: AC                            | T WC           | ORK ORDER                 | 2960700    |
| SIGN: 01 NAME: ROLAND                                |   | STATUS: ACT                              |                                 |          |                                       |                |                           |            |
| CATION: 305 SHEET: 02                                | DISTRICT: CM DESIGNED BY: GEOR  | GE BONNER                                |                                 |          | PHONE: 999-99                         | 999            | LOCATION                  | 305 OF 587 |
| RK   | DESCRIPTION/CONSTRUCTION 1  | I QTY                                    | IUMIRSP                         | IRSPITRT | ACC STANDARD<br> TRT  PAGE            | TYPE           | HOURS                     |            |
| (248205)<br>       <br>I-N]  XING-U   <br>    114215 | CONCRETE - 6 SACK (3/4" ROCK I<br>TC-TRAFFIC CONDITIONS STREET CRO<br>ASPHALT, COLD MIX | MIX)  <br> <br>DSSINGS  <br>             | 1 CY <br>   <br>1 FT  C<br>1 TN | U  <br>  | 1<br>  1<br>  C  <br>                 | <br> <br>  TC4 | )  <br>   <br>  0.1 _<br> | <u></u> _  |
| <br>I-N   XING/S                                     | TRAFFIC COND. (XING LANE) STREE   | T REPAIR                                 | 1;FT  C                         | i is     | ici                                   |                | i 0.1                     |            |
| WORK FAC<br>FUNC CODE DESC                           |   | SEE SHT                                  |                                 | TRUCTION |                                       |                |                           |            |
|  |   |  | <b></b> -                       |          | <b>_</b> ,                            |                |                           |            |
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|  |   |  |                                 | A 4 -    |                                       |                |                           |            |
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|  |   | <u> </u>                                 |                                 |          |                                       |                |                           |            |
|  |   | <b></b>                                  |                                 |          |                                       |                |                           |            |
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| DP001EM2-LOCAL40-001<br>D9/05/17 11:36    | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  |   |
|---|--|---|
| ROJECT: 253568 JOB:01                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |   |
| DESIGN: 01 NAME: ROLAN                    | DO BLK 7G2 T&C JOB 1 STATUS  | : ACT   |
| OCATION: 306 SHEET: 01                    | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |   |
| WRK     <br>F-C MU ID  AU ID  STOCK#      | <br>  DESCRIPTION/CONSTRUCTION NOTES   | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>ROD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS |
| I-N   1-3SLB <br>    322048<br>    656400 | <ul> <li>1-3 IN DB 90 D 36 IN R BEND SLURRY ENC</li> <li>BEND CONDUIT DB 3 IN 90 D 36 IN R</li> <li>SLURRY MIX, 1 SACK SAND</li> </ul> |   |
| WORK FAC                                  | EXIST TAG NEW TAG<br>D213135 S   | CONSTRUCTION NOTES  |
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| ESIGN: 01             | NAME            | : ROLAND                     | O BLK 7G2 T&C JOB 1                                       | NAME: ROLANDO BLK 7G  | US: AC | CT          |                    |         |              |              |            |             |                     |          |                 |
|-----------------------|-----------------|------------------------------|---|---|--------|-------------|--------------------|---------|--------------|--------------|------------|-------------|---------------------|----------|-----------------|
| OCATION: 3            | 07 SHE          | ET 01                        | DISTRICT: CM DEST   | GNED BY: GEORGE BONNER  |        |             |                    |         |              |              | PHO        | NE: 999-99  | 99                  | LOCATIO  | N 307 OF 5      |
| WRK <br>F-C MU ID     | <br> AU ID      | <br> stock#                  | DESCRIPTION/  | CONSTRUCTION NOTES  | l<br>I | QTY<br>RQD  | <br> UM            | WRK     | MAT  <br>RSP | TIM}<br> TRT | ACC<br>TRT | STANDARD    | CREW<br>[TYPE       | HOURS    | - ₩ 8 8 8 9 7 7 |
| I — N  <br>           | 330926<br>      | 1 1                          | HAND HOLE 3309.2 3<br>QUAZITE BOX 37"X                    | 7"X 26" X 26"   | I      | 1<br>1      | EA<br>EA           | C  <br> | C            | S            | C          | 3309.2      | 35WF3<br>           | 0.8      |                 |
| Î                     | 1x09H26         | <br> 162690                  | INSTALL EXCAVATION<br>QUAZITE BOX 37"X                    |   | 1      | 1<br>1      | EA  <br>  EA       | Ç       | c i          | S  <br>      | С          | 3309.2      | <br> 3SWF3<br>      | 0.8      |                 |
| 1-N <br>              | 1-3SLB<br> <br> | 322048                       |   |   |        | 2<br>2<br>1 | EA<br>EA           | c       | c            | S  <br>      | С          | 3373.2<br>[ | <br> 3-wf3<br> <br> | [ [      |                 |
|                       |                 |                              | REMOVE/REPLACE LAN  | DSCAPING  | 1      |             |                    |         |              | S  <br>  S   | -          | 1           |                     |          |                 |
| l<br>E                | <b>!</b><br>1   | 476302 <br>4764944<br>809200 | MARKER CONDUIT S'<br>MARKER, BALL, E.<br>WIRE TRACER 14AW | DERGROUND CONDUIT<br>TUB RED<br>F.M.S<br>G 600V CU SOLID INSULA | TE 1   | 1<br>1<br>6 | EA <br> EA <br> FT |         |              | S  <br>      | С          | 3377.1      | <br> <br>           | <u> </u> |                 |
|                       |                 | <b>1 1</b>                   |   | NDBY LINEMAN ASSIST)  | I<br>I |             |                    |         |              | S            |            |             | <br>  STNBY         |          |                 |
| WORK FAC<br>FUNC CODE |                 |                              | EXIST TAG NEW   |   |        | ##          | <br>C              | CONSI   | RUCI         | rion         | NÓTI       | - <b></b>   |                     |          |                 |
|                       |                 |                              |   |   | SEE S  | SHT 2       |                    |         |              |              |            |             |                     |          |                 |
|                       |                 |                              | #################################                         | <b>_des</b>   |        |             |                    |         |              |              |            |             |                     |          | • <b>•••</b>    |
| · · · · · ·           |                 | · · · · ·                    | <b></b>   |   |        |             |                    |         |              |              |            |             |                     |          | <u>_</u>        |

Block 7G2 UUP Attachment E – Technical Specifications

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|                   |                 |                         | REV:0 TYPE:                                    |                             |                     |                        |                        |            |                  |              |            |        |                         |                     | R: 2960700  |
|-------------------|-----------------|-------------------------|--|-----------------------------|---------------------|------------------------|------------------------|------------|------------------|--------------|------------|--------|-------------------------|---------------------|-------------|
| ESIGN: 01         | NAME            | : ROLAND                | DO BLK 7G2 T&C JO                              | DB 1                        | STAT                | FUS: ACT               |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         | DISTRICT: CM                                   | DESIGNED BY                 |                     | R                      |                        |            |                  |              |            |        |                         | LOCATIO             | N 308 OF 58 |
| WRK <br>F-C MU ID | AU ID           | ISTOCK#                 | DESCRIPT                                       |                             | CTION NOTES         | QTY<br>  RQD           | ]  <br>]UM             | WRK<br>RSP | MAT<br> RSP      | TIM <br>TRT  | ACC<br>TRT |        | CREW<br>  TYPE          | HOURS               |             |
| I-N <br> <br>     | BH03XH<br>      | <br> X20201 <br> 114215 | MACH DIG TRENO<br>TRAFFIC BEAS<br>ASPHALT, COI | CH 3 FT DEE<br>RÍNG STEEL E | IP BACKHOE<br>PLATE | 5<br>  4<br>  <u>1</u> | FT  <br>  EA  <br>  TN | С          | <br>  C  <br>  C | S  <br> <br> | с          |        | C-BC<br> C-BH<br> 3SWF4 | 0.2 <br>0.2 <br>0.4 |             |
| IN <br>           | REM-3'<br>      | <br> X30007             | TRENCH SPOIL<br>DUMPING FEE                    | 3 FT DEPTH                  |                     | 5                      | FT                     | С          | i i              | S  <br>1     | С          |        | 1                       | 0.4                 |             |
| ]<br>I-N!         | SLR-18<br>      | 656400                  | BACKFILL SLURE<br>SLURRY MIX,                  |                             |                     | 15<br>  1              | FT <br> CY             | С          | <br>  C          | S  <br>      | С          | G7409  | i i                     |                     |             |
|                   | 1EB35L<br> <br> | 2496641<br> 6564001     | 1-3 IN EB CONI<br>CONDUIT DB 3<br>SLURRY MIX,  | 3 IN 20 FT I                | ENGTH               | 1 5<br>1 5<br>1 1      | FT  <br>  FT  <br>  CY | С          | <br>  C  <br>  C | 1            | с          | 3376.1 |                         | 0.1                 |             |
| I-N               | XING−U<br>      | 114215                  | TC-TRAFFIC CON<br>ASPHALT, COI                 |                             | REET CROSSINGS      | 1                      | FT  <br>  TN           | С          | <br>  C          | <br>S  <br>  | С          |        | ]<br> TC4<br>           | 0.1                 |             |
| I-N               |                 | ] [                     | TRAFFIC COND.                                  | (XING LANE)                 | STREET REPAIR       | <br>  1                | <br>  FT               | с          |                  | ا<br>\$ ا    | с          |        | TC4                     | )<br>0.1(           |             |
|                   |                 |                         | EXIST TAG                                      |                             |                     | SEE SHT 2              | -                      |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        | -          |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |
|                   |                 |                         |  |                             |                     |                        |                        |            |                  |              |            |        |                         |                     |             |

| DP001EM2-L4<br>09/05/17 13  | 1:36            | 1                                 | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC   | DPY - DET                        | TAIL                             |            |               |              |                 |                           |                     |                     | AGE NO 346                            |
|-----------------------------|-----------------|-----------------------------------|--|----------------------------------|----------------------------------|------------|---------------|--------------|-----------------|---------------------------|---------------------|---------------------|---------------------------------------|
| PROJECT: 2                  | 53568 0         | JOB:01                            | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                          | 1                                |            |               |              |                 | STATUS: AC                | T WOF               | K ORDE              | R: 2960700                            |
| DESIGN: 01                  | NAME            | ROLANI                            | DO BLK 7G2 T&C JOB 1 STATUS:   | ACT                              |                                  |            |               |              |                 |                           |                     |                     |                                       |
| LOCATION: 3                 | 309 SHEE        | ET: 01                            | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                  |                                  |            |               |              |                 |                           |                     |                     | N 309 OF 587                          |
| WRK <br> F-C MU ID          | <br> AU ID      | STOCK#                            | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                     | <br> 014                         | WRK<br>RSP | MAT<br>RSP    | TIM <br> TRT | ACC<br>TRT      | STANDARD<br>  PAGE        | ] CREW<br>  TYPE    | EST  <br>HOURS      |                                       |
| I-N                         |                 |                                   |  |                                  |                                  |            |               |              |                 |                           |                     |                     |                                       |
| I-N[<br>                    | ABM24<br>       | <br> 114201                       | ASPHALT BASE MECH 24 IN<br>  ASPHALT (BASE)  | 1 250                            | ET [                             |            | ~             | 5            |                 | 1<br>1<br>1               | I SK-JA             | 0.0                 |                                       |
| <br>  I-N  <br>             | BH04XH          | <br> <br>  ¥20201                 | I MACH DIC EDENCH 4 FT DEED DACKNOF  | 268                              | י י<br>ודיקו                     | c          |               | is           | c               |                           | іс-вс               | 13.41               |                                       |
| <br> I-N <br>               | REM-4 '         | <br>  X30007                      | DUMPING FEE  | 268<br>  92                      | CY                               |            | С             |              | 1               | L<br>E<br>]<br>]          |                     |                     |                                       |
| <br> I-N <br>               | 1               | <br> 656400                       | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 804<br>  60                      | FT <br> CY                       | С          | i<br>c        | S -          | C<br>           | G7409<br>                 | 3-WF3               | 2.4 <br>            |                                       |
| <br> I-N <br>   <br>   <br> | 1               | <br> 248201<br> 249664<br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH                     | 210<br>4<br>210<br>1 210<br>1 36 | FT  <br>  CY  <br>  FT  <br>  EA | С          |               | S<br> <br>   | C<br> <br> <br> | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br> | (2.9)<br> <br> <br> |                                       |
| ]<br> I-N <br>              | 1-3SLS          | 1<br>]<br> 322144                 | 1 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED  | 4<br>  4<br>  1                  | EA<br>  EA<br>  CY               | U          | ט<br>1<br>1 ט | \$<br> <br>  | C<br> <br>      | 3373.2                    | <br> 3-WF3<br> <br> | 0.7                 |                                       |
| I-N <br>                    | <br> 1-3SLB<br> | <br> <br> 322048<br> 656400       | <br>  1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DE 3 IN 90 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND |                                  | EA                               | σ          | <br>  11      | S<br> <br>   | i c             | 13373.2                   | 3-WF3               | 0.1                 | · · · · · · · · · · · · · · · · · · · |
| <br> I-N                    | <br>  LN-S/U    | 1                                 | SLURRY MIX, 1 SACK SAND<br>CC-LANE CLOSURE URBAN STREET  | 1                                | I<br>EA                          | с          |               | s            | l C             |                           | тсз                 | 1 1.0               |                                       |
| 1 <b>-</b> N                | LN/S/S          | 1                                 | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1                              | EA.                              | C          |               |              | i c             | 1                         |                     | j 1.0               |                                       |
| [<br>]I-N                   |                 | l                                 | TRAFFIC COND. (XING LANE) STREET REPAIR  | i 1                              | FT                               | с          |               |              | C               | 1                         | TC4                 | 0.1                 | 1                                     |
| I-N]                        | l               | 1114215                           | ASPHALT, COLD MIX  | 1<br>  1                         | FT<br>  TN                       | C          | <br>  C       | i s          | i c             |                           |                     | 0.1                 |                                       |
| I-N                         | SAW-CC          | i                                 | SAW CUT CONCRETE   | i 20                             | FT                               | i c        | i             | i s          | i c             | I                         |                     | 1 2.0               |                                       |
| I-N  <br>                   | <br> CC-MTR<br> | <br> <br> 248205                  | CONCRETE SIDEWALK SECTION (5x5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                                    | 2<br>  1                         | EA<br>CY                         | c<br>1     | <br>  C       | [ S          | i c             | 1                         | SR3CS               | 2.0                 |                                       |

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## CONSTRUCTION NOTES

## SEE SHT 2,4

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|                   |            |             |                  | TYPE:                              |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               | ER: 2960700   |
|-------------------|------------|-------------|------------------|------------------------------------|---------------|-----------------|--------------------|---------------|-------------------|------------|--------------|------------|-------|--------------|------------|------------------|----------------|---------------|---------------|
| SIGN: 01          | NAME       |             |                  |                                    |               |                 |                    |               | US: A             |            |              |            |       |              |            |                  |                |               |               |
| CATION:           |            | ET: 01      | DISTRIC          | r: CM                              | DESIG         | NED BY:         | : GEORGI           | e bonner      | ٤                 |            |              |            |       |              |            | NE: 999-9        |                |               | ON 310 OF 587 |
| VRK <br>F-C[MU ID | AU ID      | STOCK#      | I                |                                    |               |                 |                    |               | 1                 | QTY<br>RQD | ן<br>[עע]    | WRK<br>RSP | MAT   | TIM <br>TRT[ | ACC<br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE | EST<br> HOURS |               |
| I-N1<br>1         | 3421-1     | <br> 514240 | PAD 34           | 421 1-PHA                          | SE TR         | ANSFORM         | MER                |               | 1                 | 1<br>1     | EA  <br>  EA | С          | 1 1   | S I          | С          | 3421.1           | 3-AF4          | I 0.4         | I             |
| I-N               | X-XF1P     | 1           | I PAD PI         |                                    |               |                 |                    |               | 1                 | 1          | EA           | С          |       | SI           | С          | 1<br>1<br>1      | 3SWF3          | 0.4           |               |
| T-NI              | TG-T-W     | 1           | ( ŴIRI           | H GRD WIF<br>E BARE CO             | E W/O<br>PPER | RODS<br>#2-7 ST | (TRANS/<br>IR SOFT | CAP)<br>DRAWN | 1                 | 1<br>8     | EA  <br>  LB | С          |       | S I          | С          | 4510.1<br>       | 3SWF3          | 0.2           |               |
| I-N<br>[<br>]     | 1-3SLB<br> | <br> 322048 | 1-3 II<br>  BENI | N DB 90 I<br>D CONDUIT<br>RRY MIX, | DB 3          | IN 90           | D 36 II            |               | 1                 | 3<br>3     | EA <br> EA   | С          |       | S ]<br>      | С          | 3373.2<br>       | 3-\WF3<br>     | 0.2           | I             |
| WORK FA           |            |             |                  |                                    |               |                 |                    |               |                   |            |              |            | TRUCT |              |            |                  |                |               |               |
|                   | D PAD      |             |                  |                                    | D218          |                 |                    |               | SEE :             | SHT 4      |              |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               |                 |                    |               | · · · · · · · · · |            | ·            |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               | . <u></u>       |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |
|                   |            | ,           |                  |                                    |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |
|                   |            |             |                  |                                    |               |                 |                    |               |                   |            |              |            |       |              |            |                  |                |               |               |

| SHEET: 01<br> <br>J ID  STOCK# | DO BLK 7G2 T&C JOB 1 STATUS:<br>DISTRICT: CM DESIGNED BY: GEORGE BONNER                         | ACT   |   |  |   |   |  |  |  |   |  |
|--------------------------------|---|---|---|--|---|---|--|--|--|---|--|
| SHEET: 01<br> <br>J ID  STOCK# | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |   |   |  |   |   |  |  |  |   |  |
| <br>J ID  STOCK#               |   |   |   |  |   |   |  | Æ: 999-9   |  |   | N 311 OF 58  |
|                                | DESCRIPTION/CONSTRUCTION NOTES  | RQD   | UM  | RSP  | RSP   | TIM <br>TRT   | ACC  <br>TRT   | STANDARD<br>PAGE   | CREW  <br> TYPE  | EST  <br>HOURS  |  |
| HD-A                           | HAND DIG TRENCH 3 FT DEEP AVE   | 10  | FT  | i c i  | 1   | S   | С  | G7453  |  | 4.1   |  |
| i                              | BACKFILL TRENCH 3 FOOT DEEP   | 10<br>  | FT  | C<br>  |   | S [<br>[  | Ċ  |  | 3-WF3 <br> C-BC  | 0.21  |  |
| HD-12 <br> 611492<br>          | SAND, FILL RECYCLED MATLS PREFFERED   | 10<br>  1   | FT  <br>  TN  | [ C<br> <br>   | c  <br>  c  | S  <br>   | С  | G7405  | 3-WF3 <br> C-BH  <br> C-DT   | 1   |  |
| DB3-S <br> 249664              | CONDUIT DB 3 IN 20 FT LENGTH  | 10<br>  10  | FT  <br>  FT  | t C<br>1   |   | S  <br>   | С  | 3373.1<br>   | 3-WF3  | 0.2   |  |
| 0B3-S <br> 249664              | 1-3 IN DE CONDUIT SEC<br>1  CONDUIT DE 3 IN 20 FT LENGTH  | 10<br>  10  | FT<br>FT  | ן ד<br>ן   | ן סו  | S   | С  | 3373.1<br>   | 3-WF3  | 0.2   |  |
| -XCES1<br> X30007              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>7  DUMPING FEE  | i 10  | FT<br>  CY  | i C<br>I   | <br>  C   | S I   | Ċ  | l<br>[   | C-DT  <br>   | 0.31<br>1   | <del>_</del>   |
|                                |   |   |   |  |   |   |  |  |  |   |  |
|                                |   | E SHT 2   |   | CONS:  | IRUCI   | ION   | NOTI   | 5S<br>   |  |   | <b></b>  |
|                                |   |   |   |  |   |   |  |  |  |   |  |
| · •                            |   | -   |   |  |   |   |  |  |  |   |  |
| <u> </u>                       |   |   |   |  |   |   |  |  |  |   |  |
| <u> </u>                       |   |   |   |  |   |   |  |  | -<br>  |   |  |
|                                |   |   |   |  |   |   |  |  |  |   | <u>.</u>   |
|                                |   |   |   |  |   |   |  |  |  |   |  |
|                                | ID-12 <br>611492<br>1249664<br>DB3-S1<br>249664<br>DB3-S1<br>249664<br>XCES1<br>X30007<br>LANTU | HD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>(611492)         SAND, FILL RECYCLED MATLS PREFFERED         DB3-S1       1-3 IN DE CONDUIT SEC<br>(249664)         CONDUIT DE 3 IN 20 FT LENGTH         DB3-S1       1-3 IN DE CONDUIT SEC<br>(249664)         CONDUIT DE 3 IN 20 FT LENGTH         DB3-S1       1-3 IN DE CONDUIT SEC<br>(249664)         CONDUIT DE 3 IN 20 FT LENGTH         VESS       EXCESS TRENCH SPOIL (12 IN DEEP)<br>(X30007)         UMPING FEE         LANTU       REMOVE/REPLACE LANDSCAPING         DESC       EXIST TAG | ID-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10         [611492]       SAND, FILL RECYCLED MATLS PREFFERED       1         DB3-S1       1-3 IN DE CONDUIT SEC       10         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10         DB3-S1       1-3 IN DE CONDUIT SEC       10         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10         DB3-S1       1-3 IN DE CONDUIT SEC       10         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10         DE3-S1       1-3 IN DE CONDUIT SEC       10         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10         XCES1       EXCESS TRENCH SPOIL (12 IN DEEP)       10         [X30007]       DUMPING FEE       1         [ANTU]       REMOVE/REPIACE LANDSCAPING       10         DESC       EXIST TAG       NEW TAG | ID-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT         611492       SAND, FILL RECYCLED MATLS PREFFERED       1 IN         bB3-S1       1-3 IN DE CONDUIT SEC       10 FT         249664       CONDUIT DE 3 IN 20 FT LENGTH       10 FT         bB3-S1       1-3 IN DE CONDUIT SEC       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         conduit DE 3 IN 20 FT LENGTH       10 FT         cont DUMPING FEE       10 FT | ID-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT [ C         [611492]       SAND, FILL RECYCLED MATLS PREFFERED       1 ITN         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT [ C         [249664]       CONDUIT DB 3 IN 20 FT LENGTH       10 FT [ U         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT [ U         [249664]       CONDUIT DB 3 IN 20 FT LENGTH       10 FT [ U         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ U         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ U         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ U         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ U         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ C         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ C         [249664]       CONDUIT DE 3 IN 20 FT LENGTH       10 FT [ C         [249664]       EXCESS TRENCH SPOIL (12 IN DEEP)       10 FT [ C         [230007]       DUMPING FEE       1 [ C ] [ I         [2401]       REMOVE/REPLACE LANDSCAPING       10 [ FT ] C         [2401]       REMOVE/REPLACE LANDSCAPING       10 [ FT ] C         [2402]       EXIST TAG       NEW TAG       CONST | ID-12:       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT C         611492:       SAND, FILL RECYCLED MATLS PREFFERED       11 TN C         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT C         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT C         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT C         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT U         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT U         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT C         DE3-S1       1-3 IN DE CONDUIT SEC       10 FT U         1249664       CONDUIT DE 3 IN 20 FT LENGTH       10 FT U         DE3-S1       1-3 IN DE CONDUIT SEC       10 FT U         1249664       CONDUIT DE 3 IN 20 FT LENGTH       10 FT U         XCES1       EXCESS TRENCH SPOIL (12 IN DEEP)       10 FT C         X30007       DUMPING FEE       10 FT C         LANTU       REMOVE/REPLACE LANDSCAPING       10 FT C         DESC       EXIST TAG NEW TAG       CONSTRUCT | ID-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT C I       S         ID-12       SAND, FILL RECYCLED MATLS PREFERED       11 TNI       C         ID-12       SAND, FILL RECYCLED MATLS PREFERED       11 TNI       C         ID-12       SAND, FILL RECYCLED MATLS PREFERED       11 TNI       C         ID-12       SAND, FILL RECYCLED MATLS PREFERED       11 TNI       C         ID-12       SAND, FILL RECYCLED MATLS PREFERED       11 TNI       C         ID-13       IN DE CONDUIT SEC       10 FTI C I       S         ID-249664       CONDUIT DE 3 IN 20 FT LENGTH       10 FTI U I       S         ID-3       IN DE CONDUIT SEC       10 FTI U I       S         ID-4964       CONDUIT DE 3 IN 20 FT LENGTH       10 FTI U I       S         ID-3       IN DE CONDUIT SEC       10 FTI U I       S         ID-4964       CONDUIT DE 3 IN 20 FT LENGTH       10 FTI U I       S         ID-3       EXCESS TRENCH SPOIL (12 IN DEEP)       10 FTI C I       S         ID-40       ID       ID       ID       ID         ID-50       ID/10 FTI C I       S       ID       ID         ID-50       ID/10 FTI C I       S       ID       ID         ID-50 | ID-12:       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT C       S       C         IG11492:       SAND, FILL RECYCLED MATLS PREFFERED       11 IN C       I       I         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT C       S       C         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT C       S       C         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT U       S       C         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT U       S       C         DB3-S1       1-3 IN DE CONDUIT SEC       10 FT U       S       C         1249664       CONDUIT DB 3 IN 20 FT LENGTH       10 FT U       S       C         DE3-S1       1-3 IN DE CONDUIT SEC       10 FT U       S       C         1249664       CONDUIT DE 3 IN 20 FT LENGTH       10 FT U       S       C         VECES       EXCESS TRENCH SPOIL (12 IN DEEP)       10 FT C       S       C         IANTU       REMOVE/REPLACE LANDSCAPING       10 FT C       S       C         DESC       EXIST TAG       NEW TAG       CONSTRUCTION NOT | ID-12:       SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>[611492:       10 FT C I       S C G7405         ID-12:       SAND, FILL RECYCLED MATLS PREFFERED<br>[611492:       10 FT C I       S C G7405         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT C I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT C I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       1-3 IN DE CONDUIT SEC<br>[249664]       10 FT I U I       S C G3373.1         DB3-SI       EXCESS TRENCH SPOIL (12 IN DEEP)       10 FT C I       S C I         IANTUI       REMOVE/REPIACE LANDSCAPING       10 FT C I       S C I         DESC       EXIST TAG       NEW TAG       CONSTRUCTION NOTES | ID-12:       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT [C   S   C   G7405        3-WF3]         [611492:       SAND, FILL RECYCLED MATLS PREFFERED       1 ITN   C   I   I   I   I   I   I   I   I   I | ID-12:       SHADE TRENCH WITH SAND - 12 INCH WIDTH       10 FT C       S       C (G7405       3-WF3]         ID-12:       SAND, FILL RECYCLED MATLS PREFERED       11TN       C       IC-BH       IC-BH         IG11492:       SAND, FILL RECYCLED MATLS PREFERED       11TN       C       IC-BH       IC-BH         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT C       S       C (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT U       S       C (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT U       IS       C (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT U       IS       C (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT U       IS       IC (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT SEC       I0 FT U       IS       IC (3373.1       I3-WF3]       0.2         DB3-S1       1-3 IN DE CONDUIT DE 3 IN 20 FT LENGTH       I0 FT U       IS       IC (3373.1       I3-WF3]       0.2         I249664       CONDUIT DE 3 IN 20 FT LENGTH       I0 FT C       IS       IC (2-DT I       0.3 |

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| ROJECT: 253       |                 |                    |                           |          |                |                  |         |                 |                    |                         |               |                |            |              |                    | T WOR       | CK ORDEI            | R: 2960700  |
|-------------------|-----------------|--------------------|---------------------------|----------|----------------|------------------|---------|-----------------|--------------------|-------------------------|---------------|----------------|------------|--------------|--------------------|-------------|---------------------|-------------|
| ESIGN: 01         |                 |                    | 0 BLK 7G2                 |          |                |                  |         | STAT            |                    |                         |               |                |            |              |                    |             |                     |             |
| CATION: 3         | L2 SHE          | ET: 01 }           | DISTRICT                  | CM :     | DESIGN         | NED BY           | : GEOR  | GE BONNER       |                    |                         |               |                |            | PHO.         | NE: 999-99         | 99 I        | OCATIO              | N 312 OF 58 |
| WRK <br>F-C!MU ID |                 | <br> STOCK#        | 1                         | DESCRIPT | ION/CO         | onstru           | CTION 1 | NOTES           | QTY<br>  RQD       |                         | WRI<br>  RSI  | K MAT<br>P RSF | TIM        | ACC<br>  TRT | STANDARD<br>  PAGE | TYPE        | HOURS               |             |
| I-N1<br>1         | BH03XH<br> <br> | <br>[X20201        | MACH D:<br>TRAFI<br>ASPHI | IG TRENC | H 31<br>ING ST | FT DEE<br>TEEL P | P BACKI | HOE             | 78<br>  59         | )   F.<br>)   E2        | ri c<br>Li    | c              | S<br> <br> | C<br> <br>   | G7453<br> <br>     | C-BC        | 3.1 <br>3.1 <br>6.2 |             |
|                   | REM-3'          | i i                | TRENCH<br>DUMP:           |          | 3 FT I         | DEPTH            |         |                 | 78<br>  20         | 3   F.                  | i c<br>I      | с              | S          | C I          |                    | • •         | · · ·               |             |
| I-N               | SLR-18<br>      | i i                | BACKFII<br>SLURI          |          |                |                  |         | IN DEEP         | 225                | 5   F5<br>8   C3        | i c<br>I      | <br>  c        | i          | i i          |                    | 3-WF3 <br>  | 0.5                 |             |
| I-N               | 1EB3SL<br>      | 1  <br>]249664     |                           | JIT DB 3 | IN 20          | 0 FT L           | ENGTH   | D               | 78<br>  78<br>  78 | 8   F<br>8   F<br>2   C | ni c<br>N     |                | ៃន         | i c          |                    | 3-WF3 <br>  | 1.1                 |             |
| i<br>I            | <br>            | 322048 <br> 656400 | 1-3 IN<br>BEND<br>SLURI   | CONDUIT  | DB 3           | IN 90            | D 36 1  | RRY ENC<br>IN R |                    |                         | i c<br>1<br>1 |                | 1          | 1            | 3373.2<br> <br>    | 3-WF3 <br>  | 0.1                 |             |
| ī-N               | <br>  ln-s/u    |                    | TC-LAN                    | E CLOSUR | E URBA         | AN STR           | EET     |                 | i :                |                         | ui c          |                | 1 5        | i c          |                    | TC3 [       | 1.0                 |             |
|                   | <br> LN/S/S     |                    | LANE C                    | LOSURE U | RBAN :         | ST (ST           | REET RI | EPAIR)          | i :                | L E2                    |               | Ì              | S          | c            |                    | TC4         |                     |             |
| I-NI              | l<br>[CC-2CT    | i i                | CONCRE                    | fe 2 saw | CUT A          | AND BR           | eak m   | ЕСН             | 6                  | 5   F                   |               | i              | 1 \$       |              | 1                  |             | 2.6                 |             |
| •                 | i<br> CF-H18    |                    | FINISH                    | CONCRET  | E SURI         | FACE             | MAN 1   | 8 IN            |                    |                         | <br>   C      |                | <br>  S    |              | l                  | <br>  SR3CS |                     |             |
| WORK FAC          |                 |                    | EXIS                      | T TAG    | NEW 2          | TAG              |         |                 |                    |                         | CON           | STRUC          | TION       | NOT          | ES                 |             |                     |             |

|                  | 3568 3          |                     | REV:0 TYPE: U                                       | D NAME: ROL                    |                      | -T&C JOB        | 1            |          |        |     |       |                  |                                       |             | R: 2960700  |
|------------------|-----------------|---------------------|---|--------------------------------|----------------------|-----------------|--------------|----------|--------|-----|-------|------------------|---------------------------------------|-------------|-------------|
|                  |                 |                     | O BLK 7G2 T&C JOB                                   | 1                              | STATUS               |                 |              |          |        |     |       |                  |                                       |             |             |
|                  | 13 SHEI         | ET: 01              | DISTRICT: CM DE:                                    |                                |                      |                 |              |          |        |     |       | E: 999-99        |                                       |             | N 313 OF 58 |
| RK <br>'-C MU ID | <br> AU ID      | <br>  STOCK#        | DESCRIPTIO  |                                | N NOTES              | RQD             | UM           | RSP      | RSP    | TRT | TRT ] | STANDARD<br>PAGE | TYPE                                  | HOURS       |             |
| 1                | (3313TC         | <br> 4003021        | HANDHOLE 3313 WI<br>3313 TRAFFIC C                  | TH TRAFFIC CO<br>OVER HANDHOLE | VER                  | 10<br>  10      | EA <br> EA   | C I      | c i    | S   | C     | 3313             | BOOMT<br>  3-AF4                      | 30.0<br>5.0 |             |
| -N               | X13H-A          |                     | EXCAVATE 3313 HA                                    | NDHOLE                         |                      | 1               | EA           | ci       | 1      | \$  | ςΪ    | 3313.2           | <br> 3SWF3 <br>                       | 0.41        |             |
| -N               |                 | 1 1                 | CONCRETE 1 SAW C                                    | UT                             |                      | į 1             | FT           | сi       | ĺ      | S   | CI    |                  | SR3AS <br>                            | 1           |             |
| -N  <br>         | 1               | <br> 248205         | ADJUST HH TO GRA<br>CONCRETE - 6 S                  | DE (IN PKY OR<br>ACK (3/4" ROC | NEW CONST)<br>K MIX) | 1<br>  1        | EA  <br>  CY | C 1<br>I | ¢      | S   | CI    |                  | SR3CS<br>  BOOMT                      | 1.5<br>4.0  |             |
| 1                | 1-3SLB<br> <br> | 322048 <br>  656400 | 1-3 IN DB 90 D 3<br>BEND CONDUIT D<br>SLURRY MIX, 1 | B 3 IN 90 D 3                  |                      | 3<br>  3<br>  1 | EA <br> CY]  |          | C<br>C | S   | 1     | 3373.2           | 3-WF3<br> <br>                        | 0.2         |             |
| -N               | LN-S/U          | • •                 | TC-LANE CLOSURE                                     | URBAN STREÈT                   |                      | i 1             | EAI          | сi       |        | \$  |       |                  |                                       | 1.0         |             |
|                  | [               |                     |   |                                |                      |                 |              |          |        | -   |       |                  | <br> TC4                              |             |             |
| ORK FAC          |                 |                     | LANE CLOSURE URB                                    |                                | REPAIR)              |                 |              |          |        |     | NOTE  |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      | 1<br>EE SHT 4   | c            |          |        |     |       |                  |                                       |             | i           |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  |                                       |             |             |
| ORK FAC          |                 |                     |   |                                |                      |                 | c            |          |        |     |       |                  | · · · · · · · · · · · · · · · · · · · |             |             |

| ROJECT: 2         | 53568 JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | -T&C JOB            | 1                  |         |          |      | :          |                    |                         |                      | R: 2960700   |
|-------------------|--------------------------------------|---|---------------------|--------------------|---------|----------|------|------------|--------------------|-------------------------|----------------------|--------------|
| ESIGN: 01         | NAME: ROLAND                         | DO BLK 7G2 T&C JOB 1 STATUS:  | : ACT               |                    |         |          |      |            |                    |                         |                      |              |
| CATION:           | 314 SHEET: 01                        | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                    |         |          |      | PHO        | NE: 999-99         | 199 1                   | LOCATIO              | N 314 OF 587 |
| NRK <br>F-C MU ID | ]                                    | DESCRIPTION/CONSTRUCTION NOTES  | QTY  <br>  RQD      | UMI                | RSPI    | RSP      | TRT  | TRT        | STANDARD<br>  PAGE | TYPE                    | HOURS                |              |
| [-N <br> <br>     | BH03XH   <br>   X20201 <br>   114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | 50 <br>  38]<br>  1 | FT  <br>EA  <br>TN | C  <br> | с  <br>с | S    | C<br> <br> | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 2.0[<br>2.0[<br>4.0[ |              |
| I-N <br> <br>1    | ]REM-3'   <br>]  X30007              | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 50 <br>  13         | FT  <br>CY         | C I     | c        | S    |            | <br>               | 1                       | 4.4                  |              |
| I-N]<br>1         | SLR-18   <br>  656400                | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    | 9]                  | FT  <br>CY         | C i     | c I      | S    | i c<br>I   | G7409<br>          | í                       | 0.3i                 | ·            |
| I-N <br> <br>     | 249664                               | 1-3 IN EB CONDUIT SLURRY ENCASED  | 50 <br>  50 <br>  1 | FT  <br>FT  <br>CY | C  <br> | с  <br>с | Ş    |            | 3376.1<br> <br>    |                         | 0.7                  |              |
| I-N               | LN-S/U                               | TC-LANE CLOSURE URBAN STREET  | i 1i                |                    | C       |          | S    | <br>  C    | Ì                  | TC3                     |                      | · · ·        |
| I-N(              |                                      |   | 1                   | EA                 | Cİ      | I        | S    |            | l                  | TC4                     |                      |              |
| I-N               | <br> CC-2CT                          |   | 1 501               | FT                 | сi      | i        | S    |            | Ì                  |                         | 2.0                  | • ••         |
| I-N [             |                                      | FINISH CONCRETE SURFACE MAN 18 IN   | 50[                 |                    |         |          |      | 1<br>1 C   |                    | <br>  SR3CS             |                      |              |
| NORK FA           |                                      | EXIST TAG NEW TAG   | EE SHT 4            | C                  | onst    | RUCI     | TION | NOTI       | ES                 |                         |                      |              |
|                   |                                      |   |                     |                    |         |          |      |            | -                  |                         |                      |              |
|                   |                                      |   |                     |                    |         |          |      |            |                    |                         |                      |              |
|                   |                                      |   |                     |                    |         |          |      |            |                    |                         |                      |              |
|                   |                                      |   |                     |                    |         |          |      | -          |                    |                         |                      |              |
|                   |                                      |   | <b>-</b> .          |                    |         |          |      |            |                    |                         | <u>.</u>             |              |
|                   |                                      |   |                     |                    |         |          |      |            |                    |                         |                      |              |
|                   |                                      |   |                     |                    |         |          |      |            |                    |                         |                      |              |

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|                       | 3569         |                 |                                       |                     |                          | NDO BLK 7G2 -        | *              |                        |             |            |              |              | STATUS: AC       |                    |              | R: 2960700  |
|-----------------------|--------------|-----------------|---------------------------------------|---------------------|--------------------------|----------------------|----------------|------------------------|-------------|------------|--------------|--------------|------------------|--------------------|--------------|-------------|
|                       |              |                 | 0 BLK 7G2 T&C                         |                     |                          | STATUS:              |                |                        |             |            |              |              |                  |                    |              | <b></b>     |
|                       |              |                 | DISTRICT: CM                          |                     |                          | DRGE BONNER          |                | <b>-</b>               |             |            |              | PHON         | NE: 999-99       | 99 I               | OCATIO       | N 315 OF 58 |
|                       |              |                 |                                       |                     |                          |                      | QTY  <br>  RQD | <br>  UM               | WRK <br>RSP | MAT<br>RSP | TIM <br> TRT | ACC  <br>TRT | STANDARD<br>PAGE | CREW  <br> TYPE    | HOURS        |             |
|                       | +<br>13313TC | ⊦ <b></b> +<br> | HANDHOLE 33<br>3313 TRAE              | 13 WITH             | TRAFFIC COV              | /ER                  | -+             | EA                     | C           |            | S            | с            | 3313             | BOOMT  <br>  3-AF4 | 30.0 <br>5.0 |             |
| 1                     | 1            |                 |                                       |                     |                          |                      | 1              | EA                     | C 1         |            | S            | C            | 3313.2           |                    | 0.41         |             |
|                       | <br> CC-1CT  |                 | CONCRETE 1                            | SAW CUT             |                          |                      | 1              | FT [                   | CΙ          |            | S            | С            | 1                | SR3AS              | 1            |             |
|                       | 1            | <br> 248205     | ADJUST HH I<br>CONCRETE               | o grade<br>- 6 sace | (IN PKY OR<br>(3/4" ROCH | NEW CONST)<br>K MIX) | 1              |                        | сi          |            | S  <br>      | с            | <br>             |                    | 1.5 <br>4.0  |             |
| [-N[<br> <br>         | 1-3SLB<br>   | 322048          | 1-3 IN DB 9<br>BEND CONI<br>SLURRY MI | DUIT DB 3           | 3 IN 90 D 30             | LURRY ENC<br>6 IN R  |                | EA  <br>  EA  <br>  CY | C I         | c<br>c     | S  <br>      | C<br>I       | 3373.2<br>[      | 1 1<br>1 1         | 0.21         |             |
| •                     | <br> LN-S/U  | <br>            | TC-LANE CLO                           | SURE URE            | BAN STREET               |                      | 1              | EA]                    | CI          |            | l<br>I S     | ι¢           | ĺ                | 1 ITC3             | 1.0          |             |
| <br>[-]]              | <br> LN/S/S  | <br>            | LANE CLOSU                            | RE URBAN            | ST (STREET               | REPAIR)              | [ 1            | EA]                    | ¢           |            | i<br>  S     | c            |                  | <br> TC4           |              |             |
| VORK FAC<br>FUNC CODE |              |                 | EXIST TAC                             | g new               | TAG                      | SE                   | E SHT 4        |                        | CONS:       | RUC        | TION         | NOT          | ES               |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      | ·              |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              | . <u></u> .      |                    |              |             |
|                       |              |                 |                                       |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 | <u> </u>                              |                     |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
| . <u> </u>            |              |                 |                                       |                     |                          |                      |                |                        |             |            | _            |              |                  |                    |              | <u> </u>    |
|                       |              |                 | . <u> </u>                            | <u>_</u>            |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
|                       |              |                 |                                       | -                   |                          |                      |                |                        |             |            |              |              |                  |                    |              |             |
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|                       |                 |                         | REV:0 TYPE                                  |                 |                          |            |                   |                    |             |          |          |            | STATÜS: AC     |                         |                            |          |
|-----------------------|-----------------|-------------------------|---|-----------------|--------------------------|------------|-------------------|--------------------|-------------|----------|----------|------------|----------------|-------------------------|----------------------------|----------|
|                       |                 |                         |   |                 |                          |            |                   |                    |             |          |          |            |                |                         |                            |          |
|                       |                 |                         | DISTRICT: CM                                |                 |                          | <u>.</u>   |                   |                    |             |          |          |            |                |                         |                            |          |
|                       |                 |                         | DESCRIP                                     |                 |                          | N NOTES    | RQD               | UM                 | RSP         | RSP      | TRT      | TRT        |                | TYPE                    | HOURS                      |          |
| I-N <br>              | BH03XH<br> <br> | <br> X20201 <br> 114215 | MACH DIG TREN<br>TRAFFIC BEA<br>ASPHALT, CC | ICH 3<br>RING S | FT DEEP BA<br>TEEL PLATE | CKHOE      | 90<br>  68<br>  1 | FT<br>  EA<br>  TN | C<br> <br>  | C<br>  C | S  <br>  | Ç<br> <br> | G7453<br> <br> | C-BC<br> C-BH<br> 35WF4 | 1 3.61<br>1 3.61<br>1 7.21 |          |
| I-N                   | REM-3'<br>      |                         | TRENCH SPOIL<br>DUMPING FEE                 |                 | DEPTH                    |            | <br>  90<br>  23  | FT                 | I C         | i c      | •        | Ì          |                | [C-DT                   | 7.9                        |          |
| I-N                   | SLR-18<br>      | i i                     | BACKFILL SLUP<br>SLURRY MIX,                |                 |                          | 12 IN DEEP | [ 270<br>[ 16     | FT                 | i C<br>     |          | [ \$<br> | i C        | G7409<br> <br> | •                       |                            |          |
| I-N <br>              | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CON<br>CONDUIT DB<br>SLURRY MIX,  | 3 IN 2          | 0 FT LENGI               |            | i 90<br>I 90      | FT<br>  FT<br>  CY | C<br> <br>  |          | [ 5      |            |                | -                       | 1.3                        |          |
|                       | <br> LN-S/U<br> |                         | TC-LANE CLOSU                               | IRE URB         | AN STRÉÉT                |            |                   |                    | l C         | [        | S        | Ċ          | <br> <br>      | 1<br>  TC3              | 1.0                        |          |
| I-N                   | <br> LN/S/S     | i i                     | LANE CLOSURE                                | urban           | ST (STREE1               | REPAIR)    | 1 1               | EA                 | I C         | 1        | ] S      |            | i<br>I         |                         | 1.01                       | <u> </u> |
| I-N[                  | CC-2CT          | i i                     | CONCRETE 2 SA                               | w cur           | and break                | MECH       |                   |                    | <br>  C<br> |          | S I      |            | •              |                         | 3.6                        |          |
|                       | [<br> CF-H18    | 1 1                     | FINISH CONCRE                               | TE SUR          | FACE MAN                 | 18 IN      |                   | <br>  FT           |             |          | \$       | •          | •              |                         |                            |          |
| WORK FAC<br>FUNC CODE |                 |                         | EXIST TAG                                   | NEW             | <br>TAG                  |            |                   |                    | CONS        | TRUC     | rion     | NOT        | ES             |                         |                            |          |
|                       |                 |                         |   |                 |                          | SI         | EE SHT 4          |                    |             |          |          |            |                |                         |                            |          |
|                       |                 |                         |   |                 |                          |            |                   |                    |             |          |          |            |                |                         |                            |          |
|                       |                 |                         |   |                 |                          |            |                   |                    |             |          |          |            | · · · · ·      |                         |                            |          |
|                       |                 |                         |   |                 |                          |            |                   |                    |             |          |          |            |                |                         |                            |          |
|                       |                 |                         |   |                 |                          |            |                   |                    |             |          |          |            |                |                         |                            |          |

| P001EM2-L<br>9/05/17 1 | 1:36            |                   |   | DPSS - DES      |                     | PY - DE         | TAII           |     |          |         |     |                  |                  |            | PAGE NO 354  |
|------------------------|-----------------|-------------------|---|-----------------|---------------------|-----------------|----------------|-----|----------|---------|-----|------------------|------------------|------------|--------------|
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     | STATUS: AC       | T WOF            | K ORDE     | IR: 2960700  |
|                        |                 |                   | 00 BLK 7G2 T&C JO                             | - <i></i>       | STATUS:             |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   | DISTRICT: CM                                  |                 | ORGE BONNER         |                 |                |     |          |         |     |                  |                  |            | ON 317 OF 58 |
| WRK <br>F-CIMU ID      |                 | STOCK#            | DESCRIPT                                      | ION/CONSTRUCTIO | N NOTES             |                 | UM             |     | RSP      | TRT     | TRT | STANDARD<br>PAGE | TYPE             | HOURS      |              |
| I-N]                   | 3313TC          | <br> 400302       | HANDHOLE 3313<br>3313 TRAFFIC                 | WITH TRAFFIC CO | VER                 | 10              | EA             |     | Сі       | i       |     | 3313<br>         |                  | 5.0        |              |
| I-N                    | X13H-A          |                   | EXCAVATE 3313                                 | HANDHOLE        |                     | i 1             | EA             | C 1 | 1        | S       | С   | 3313.2           | 3SWF3            | 0.4        |              |
| I-N                    |                 | 1                 | CONCRETE 1 SAW                                | CUT             |                     | 1               | FT             | C I | 1        | S       | С   | I                | SR3AS            | L I        |              |
| I-N[                   | 1               | (<br> 248205      | ADJUST HH TO G<br>CONCRETE - 6                |                 |                     | i 1<br>I 1      | EA <br> CY     | C I | С        | S  <br> | с   | [<br>[           | SR3CS<br>  BOOMT | 1.5<br>4.0 | 1            |
| I-N <br> <br>          | 1-3SLB<br> <br> | 322048<br> 656400 | 1-3 IN DB 90 D<br>BEND CONDUIT<br>SLÜRRY MIX, | DB 3 IN 90 D 3  | LURRY ENC<br>6 IN R | 4<br>  4<br>  1 | EA<br>EA<br>CY | c   | C<br>C   | S       | С   | 3373.2           |                  | 0.2        | l            |
|                        | iln-s/u         |                   | TC-LANE CLOSUR                                | E URBAN STREET  |                     | i 1             | EA             |     |          |         | С   | İ                | TC3<br>          |            |              |
| <br>I-N                | <br>  LN/s/s    | 1                 | <br>  LANE CLOSURE U                          | RBAN ST (STREET | REPAIR)             |                 |                |     |          |         |     |                  |                  | 1.0        |              |
|                        |                 |                   |   |                 | SE                  | 5 SHT 4         |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     | <u></u>  |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     | <u>.</u> |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     | •               |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     | <del></del>     |                |     |          |         |     |                  |                  |            | <u> </u>     |
|                        |                 |                   |   |                 | i.                  |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |
|                        |                 |                   |   |                 | · · · ·             |                 |                |     |          |         |     | •• <u>-</u>      |                  |            |              |
|                        |                 |                   |   |                 |                     |                 |                |     |          |         |     |                  |                  |            |              |

| WXKI         | CT: 253568    |      | JOB:01                | REV:             | 0 Т               | YPE: UD          | NAM              | E: ROL | ANDO BLK 7 | G2 -T&C | JOB                   | 1                      |            |                  |              |            | STATUS: AC         |                         |                      | R: 2960  |
|--|---------------|------|-----------------------|------------------|-------------------|------------------|------------------|--------|------------|---------|-----------------------|------------------------|------------|------------------|--------------|------------|--------------------|-------------------------|----------------------|----------|
| WRXI       P-CIMU ID IAU ID STOCK#I       DESCRIPTION/CONSTRUCTION NOTES       QTY I WRKIMATITIMIACCISTANDARD ICREW EST TYPE HOURS         I-N       BE03XHI       MACH DIG TRENCH 3 FT DEEP BACKHOE       1551FTI C IS C G7453       C-BC 6.2         I-N       IX20201       TRAFFIC BEARING STEEL PLATE       111/1EAI       C IS C G7453       C-BC 6.2         I-N       IX20201       TREPCH SPHALT, COLD MIX       21TNI C ISSIFTI C IS C G7409       3-WF31 2.4         I-N       REM-3'       TRENCH SPOIL 3 FT DEPTH       1551FTI C IS IC G7409       3-WF31 0.9         I-N       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       4651FTI C IS IC G7409       3-WF31 0.9         I-N       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       4651FTI C IS IC G7409       3-WF31 0.9         I-N       IEB3SLI       1-3 IN BE CONDUIT SLURRY ENCASED       1551FTI C IS IC G7409       3-WF31 0.9         I-N       11EB3SLI       1-3 IN DE 90 D 36 IN R BEND SLURRY ENC       1551FTI C IS IC G373.2       3-WF31 0.1         I-N       112320481       BEND CONDUIT DB 3 IN 90 D 36 IN R       11CXI IC IIEAI C I   | N: 01 NA      | ME : | ROLAND                | O BLK            | 7G2 T&            | р јов 1          |                  |        | STA        | TUS: AC | т                     |                        |            |                  |              |            |                    |                         |                      |          |
| MEXI       Image: Construction Notes       OTY 1       WEXEMAT TIM ACCISTANDARD       CREW   EST         F-CIMU ID       AU ID       STOCK#       DESCRIPTION/CONSTRUCTION NOTES       RQD IUM RSPIRETITAT       PAGE       TYPE       HOURS         I-N       BE03XH       MACH DIG TRENCH 3 FT DEEP BACKHOE       1551FTI C       S C G7453       C-BC 6.2       C-BC 6.2         I-N       IX20201       TREPTC BEARING STEEL PLATE       1117/EAL       C I       SWF4       12.4         I-N       IX20201       TRENCH SPOIL 3 FT DEPTH       1551FTI C IS C IC C-DC 1       SWF4       12.4         I-N       IREM-3'       TRENCH SPOIL 3 FT DEPTH       1551FTI C IS IC IG7409       3-WF31 0.9         I-N       ISLR-18       BACKFTLL SLURRY 18 IN WIDE X 12 IN DEEP       4651FTI C IS IC IG7409       3-WF31 0.9         I-N       1EB3SL       1-3 IN EB CONDUIT SLURRY ENCABED       1551FTI C IS IC IG7409       3-WF31 0.9         I-N       1EB3SL       1-3 IN EB CONDUIT SLURRY ENCABED       1551FTI C IS IC IG7409       3-WF31 0.9         I-N       1249664       CONDUIT DB 3 IN 20 FT LENGTH       1551FTI C IS IC IG7409       3-WF31 0.9         I-N       1249664       CONDUIT DB 3 IN 20 D36 IN R       11EA       IEA       IEA       IEA         I-N   |               |      |                       |                  |                   |                  |                  |        |            |         |                       |                        | . <b></b>  |                  |              |            |                    |                         |                      | N 318 OI |
| I-N       IBE03XHI       MACH DIG TRENCH 3 FT DEEP BACKHOE       1551FT C       S C G7453       C-BC 6.2         I (11215       TRAFFIC BEARING STEEL PLATE       1171EA       C I       ISSNF4 12.4         I-N       REM-3'       TRENCH SPOIL 3 FT DEPTH       1551FT C I       S C G7453       C-BC 6.2         I-N       REM-3'       TRENCH SPOIL 3 FT DEPTH       1551FT C I       S C I       G-DT 13.6         I-N       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       4651FT C I       S C I G7409       3-WF31 0.9         I-N       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       4651FT C I       S C I G7409       3-WF31 0.9         I-N       IEB3SL       1-3 IN EB CONDUIT SLURRY ENCASED       1551FT C I       S C I G376.1       3-WF31 0.9         I-N       1249664       CONDUIT DB 3 IN 20 FT LEMOTH       1551FT I C I       S C I 3373.2       3-WF31 0.1         I-N       1249664       CONDUIT DB 3 IN 90 D 36 IN R       11551FT I C I       S C I 3373.2       3-WF31 0.1         I-N       11-3SLB       1-3 IN DB 90 D 36 IN R       112AI C I       S C I 17C3 1.0       I         I-N       11-3SLB       1-3 IN 90 D 36 IN R       112AI C I       S C I 17C3 1.0       I         I-N       ILN-S/U <t< td=""><td>MU ID  AU 1</td><td>D</td><td>STOCK# </td><td></td><td>DESC</td><td>RIPTION</td><td>/CONSTR</td><td>RUCTIO</td><td>N NOTES</td><td></td><td>QTY<br/>RQD</td><td>I I<br/>I UM I</td><td>WRK<br/>RSP</td><td>MAT  </td><td>TIM <br/>TRT </td><td>ACC<br/>TRT</td><td>  STANDARD<br/>  PAGE</td><td>  CREW<br/>  TYPE</td><td>  EST  <br/> HOURS </td><td></td></t<> | MU ID  AU 1   | D    | STOCK#                |                  | DESC              | RIPTION          | /CONSTR          | RUCTIO | N NOTES    |         | QTY<br>RQD            | I I<br>I UM I          | WRK<br>RSP | MAT              | TIM <br>TRT  | ACC<br>TRT | STANDARD<br>  PAGE | CREW<br>  TYPE          | EST  <br> HOURS      |          |
| I-NI       IREM-3'       TRENCH SPOIL 3 FT DEPTH       155 FT C       S C       C-DT       13.6         I-NI       IX30007       DUMPING FEE       39(CY       C       I       I       I         I-NI       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       465(FT) C       S C G7409       3-WF3       0.9         I-NI       IEB3SL       1-3 IN EB CONDUIT SLURRY ENCASED       155(FT) C       S C G376.1       3-WF3       0.9         I-NI       1249664       CONDUIT DB 3 IN 20 FT LENGTH       155(FT) C       S C G3376.1       3-WF3       0.9         I-NI       1249664       CONDUIT DB 3 IN 20 FT LENGTH       155(FT) C       S C G3373.2       3-WF3       0.1         I-NI       11-3SLB       1-3 IN DB 90 D 36 IN R BEND SLURRY ENC       1[EA] C       S C G3373.2       3-WF3       0.1         I-NI       11-3SLB       1-3 IN DB 90 D 36 IN R BEND SLURRY ENC       1[EA] C       S C G3373.2       3-WF3       0.1         I-NI       11-SURY MIX, 1 SACK SAND       1[CY   C       I       I       I       I         I-NI       12-322048       BEND CONDUT DB 3 IN 90 D 36 IN R       1[EA] C       S C I       ITC3       1.0         I-NI       ILN-S/U       TC-LANE CLOSURE URBAN ST (STR   | BH03<br> <br> | BXH  | <br>X20201 <br>114215 | MACH<br>TR<br>AS | DIG TI<br>AFFIC I | RENCH<br>BEARING | 3 FT DI<br>STEEL | EEP BA | CKHOE      |         | 155<br>117<br>2       | FT  <br>  EA  <br>  TN | С          | <br>       <br>  | S  <br>      | С          | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 6.2[<br>6.2]<br>12.4 |          |
| I-N1        SLR-18        BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP        465 FT C         S C G7409        3-WF3 0.9          I        656400        SLURRY MIX, 1 SACK SAND        26 CY  C   | REM-          | -31  |                       | TREN             |                   |                  | T DEPTI          | H      |            |         | 155<br>39             | FT <br> CY             | с          |                  | SI           | С          | 1                  | C-DT<br>                | 13.6 <br>            |          |
| I-N       11EB3SL       1-3 IN EB CONDUIT SLURRY ENCASED       155 [FT] C       S C 13376.1       3-WF3       2.2         I       1249664       CONDUIT DB 3 IN 20 FT LENGTH       155 [FT] C       S C 13376.1       3-WF3       2.2         I       1656400       SLURRY MIX, 1 SACK SAND       3[CY] C       I       I       I       I         I-N       11-3 IN DB 90 D 36 IN R BEND SLURRY ENC       1[EA] C       S C 13373.2       3-WF3       0.1         I-N       1322048       BEND CONDUIT DB 3 IN 90 D 36 IN R       IIEA       C I       S C I 3373.2       3-WF3       0.1         I-N       1656400       SLURRY MIX, 1 SACK SAND       11CY       C I       I       I       IIEA       IIEA       C I       IIEA  | SLR-<br>      | -18  | <br>656400            | BACK<br>SL       |                   |                  |                  |        |            |         | 465<br>26             | FT <br> CY             | с          | C                | SI           | С          | G7409<br>          | 3-WF3                   | i 0.9 <br>           |          |
| I-N       1-3 IN DE 90 D 36 IN R BEND SLURRY ENC       1 [EA C   S C [3373.2] 3-WF3 0.1           322046       BEND CONDUIT DE 3 IN 90 D 36 IN R       1 [EA C   S C ] 373.2] 3-WF3 0.1           1 656400       SLURRY MIX, 1 SACK SAND       1 [EA C   S C ] 1           1 656400       SLURRY MIX, 1 SACK SAND       1 [EA C   S C ] 1           1 N-S/U        IC-LANE CLOSURE URBAN STREET       1 [EA C   S C ] 1           1 N-S/U        IC-LANE CLOSURE URBAN STREET       1 [EA C   S C ] 1           1 N-S/S        LANE CLOSURE URBAN ST (STREET REPAIR)       1 [EA C   S C ] 1           1-N!       LN/S/S        LANE CLOSURE URBAN ST (STREET REPAIR)       1 [EA C   S C ] 1           -N!       CONCRETE 2 SAW CUT AND BREAK MECH       1 33 [FT C   S S C ] 1       1 C 1           -N!       [CF-H18]       FINISH CONCRETE SURFACE MAN 18 IN       1 33 [FT C   S C ] 1       SR3CS1 0.5]         WORK FAC       FAC       FUNC CODE       DESC       EXIST TAG NEW TAG       CONSTRUCTION NOTES  | 1EB3<br> <br> | SL   | <br>249664 <br>656400 | 1-3<br>CO<br>SL  | NDUIT I           | DB 3 IN          | 20 FT            | LENGT  |            |         | 155<br>155<br>3       | [FT <br>[FT <br>[CY    | C          | <br>  C  <br>  C | S  <br> <br> | С          | 3376.1<br> <br>    | 3-WF3                   | 2.2                  |          |
| I-N]       ILN-S/U        TC-LANE CLOSURE URBAN STREET       1   EA  C   S   C         TC3   1.0          I-N]       ILN/S/S        LANE CLOSURE URBAN ST (STREET REPAIR)       1   EA  C   S   C         TC4   1.0          I-N]       ILN/S/S        LANE CLOSURE URBAN ST (STREET REPAIR)       1   EA  C   S   C         TC4   1.0          I-N]       ICC-2CT        CONCRETE 2 SAW CUT AND BREAK MECH       1 33   FT   C   S   C         ISR3ASI 5.3          I-N]       ICF-H18        FINISH CONCRETE SURFACE MAN 18 IN       1 33   FT   C   S   C         ISR3CS  0.5          WORK       FAC       FUNC CODE       DESC       EXIST TAG       NEW TAG       CONSTRUCTION NOTES   | 1-38<br> <br> | 5LB  | <br>322048 <br>656400 | 1-3<br>BE<br>SL  | ND CON            | DUIT DB          | 3 IN 9           | 90 D 3 |            | i.      | 1<br>1<br>1           | EA  <br>  EA  <br>  CY | с          | C  <br>  C       | S I          | С          | 13373.2<br>1<br>1  | 1                       | I                    |          |
| I-N!       ILN/S/S        LANE CLOSURE URBAN ST (STREET REPAIR)       1   EA  C   S   C         TC4   1.0]         I-N!       !CC-2CT        CONCRETE 2 SAW CUT AND BREAK MECH       1 133   FT   C   S   C         S   C         SR3AS   5.3]         I-N!       !CC-2CT        CONCRETE 2 SAW CUT AND BREAK MECH       1 133   FT   C   S   C         SR3AS   5.3]         I-N!       !CF-H18        FINISH CONCRETE SURFACE MAN 18 IN       1 133   FT   C   S   C         S   C         SR3CS   0.5]         WORK       FAC  | i LN-S        | 5/U  | i                     |                  | ANE CL            | OSURE U          | RBAN S           | TREET  |            |         | 1                     | EA                     | С          |                  | SI           | С          | 1                  | TC3                     | 1.0                  | ,        |
| I-NI [CC-2CT]   CONCRETE 2 SAW CUT AND BREAK MECH   133 FT C   S C   S C   SR3ASI 5.3<br>I-NI [CF-H18]   FINISH CONCRETE SURFACE MAN 18 IN   133 FT C   S C   S C   SR3CSI 0.5]<br>NORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES   | LN/S          | s/s  | i                     | LANE             | CLOSU             | RE URBA          | N ST (S          | STREET | RÉPAIR)    | ļ       | 1                     | EA                     | С          | i i              | SI           | C,         | 1                  | TC4                     | 1.0                  |          |
| I-NI (CF-H18)   FINISH CONCRETE SURFACE MAN 18 IN   133 FT  C   S   C   SR3CS  0.5 <br>NORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES   | icc-2         | 2CT  | i                     | CONC             | RETE 2            | SAW CU           | T AND H          | BREAK  | MECH       | ļ       | 133                   | FT                     | С          | i i              | SI           | С          | 4                  | SR3AS                   | 1 5.3                |          |
| TUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES  |               |      |                       | FINI             | SH CON            | CRETE S          | URFACE           | MAN    | 18 IN      | i       |                       |                        |            |                  |              |            |                    |                         |                      | · · ·    |
|  |               | sc   |                       | EX               | IST TA            | g në             | Ŵ TAG            |        |            | <br>977 | 1<br>1<br>1<br>1<br>1 |                        | CONS       | IRUCI            | ION          | NOT        | ES                 |                         |                      |          |
|  |               |      |                       |                  | <b></b>           |                  |                  |        |            |         |                       |                        |            |                  |              |            |                    |                         |                      |          |
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|-----------------------|--|---------|-------------|-------------|----------|---------|-----------|--------------------|------------|---------|--------------|----------|--------------|-------|------------|--------------|------------------|----------------|---------------|-------------------|----------|
| PROJECT:              | 253                                    | 568     |             | REV:0       |          | 5: UD   | NAME:     | ROLAND             | O BLK      | 7G2 -1  | C&C JOE      | 3 1      |              |       |            | S'           |                  |                | ORK ORDI      | ER: 296070        | 0        |
| DESIGN: 0             |  |         |             |             | 52 T&C J | JOB 1   |           |                    | ST         | ATUS:   | ACT          |          |              |       |            |              |                  |                |               |                   |          |
| LOCATION              |  | 9 SH    | EET: 01     |             | T: CM    | DESIC   | SNED BY   | : GEORG            | E BONN     | ER      |              |          |              |       |            |              | E: 999-9         |                |               | ON 319 OF         | 587      |
| WRK <br> F-C MU       | ID                                     | AU ID   | <br> stock# | 1           |          |         |           |                    |            |         | QTY<br>  RQD | <br>  UM | WRK<br>I!RSP | MAT   | TIM<br>TRT | ACC  <br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE | EST<br> HOURS | <br> <br><b>+</b> |          |
| +<br>  [<br>1 [       | + ــــــــــــــــــــــــــــــــــــ |         |             |             | esign un | NITS FO | OR THIS   | LOCATI             | ON         |         |              | 1        |              | <br>  |            |              |                  |                | <br>          | <br>1             |          |
| WORK<br>FUNC C        |  | DES     | с           | EXI         | ST TAG   | NEW     | TAG       |                    |            |         |              |          | CONS         | IRUCI | FION       | NOTE         | S                |                |               |                   |          |
|                       |  | <b></b> |             |             |          |         | <b></b> - |                    |            | SEI     | E SHT 4      | 1        |              |       |            |              |                  |                |               |                   | ÷        |
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|                       |  |         |             |             |          |         |           |                    |            | <u></u> |              |          |              |       | <u> </u>   |              |                  |                |               |                   |          |
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|                                       | DPSS  | - DESIGN REVIEW CC                 |                          |              |              |                    |                    |                 |        |             |
|---------------------------------------|---|------------------------------------|--------------------------|--------------|--------------|--------------------|--------------------|-----------------|--------|-------------|
|                                       | 01 REV:0 TYPE: UD NAME:   |                                    |                          |              |              |                    |                    |                 |        | R: 2960700  |
| ESIGN: 01 NAME: RC                    | LANDO BLK 7G2 T&C JOB 1   | STATUS:                            |                          |              |              |                    |                    |                 |        |             |
|                                       | 01 DISTRICT: CM DESIGNED B  |                                    |                          |              |              |                    |                    |                 | OCATIO | Ň 320 OF 58 |
| VRK     <br>F-C MU ID  AU ID  STO     | <br>CK#  DESCRIPTION/CONSTRU  | UCTION NOTES                       | QTY  <br>  RQD  UM       | WRK<br>4 RSP | MAT  <br>RSP | TIM ACC<br>TRT TR1 | STANDARD<br>  PAGE | CREW  <br> TYPE | HOURS  |             |
| I-N   3421-1 <br>    1514             | PAD 3421 1-PHASE TRANSFOR<br>240  PAD 1-PHASE XFMR / 3-PI                                 | RMER                               | 1 E#<br>  1 E#           | <i>f</i> ] C | C I          | s i c              | 3421.1             | 3-AF4           | 0.4    |             |
| I-N   X-XF1P                          | PAD PREP 3421 PAD (1-PHAS   | SE TRANSFORMER)                    | 1 EA                     | A) C         | 1            |                    | 1                  |                 | 0.4[   |             |
| I-NI  TG-T-W <br>     812             | I<br>TRENCH GRD WIRE W/O RODS<br>I<br>WIRE BARE COPPER #2-7 S                             | (TRANS/CAP)<br>STR SOFT DRAWN      | ) 1 EA<br>) 8 LE         | A) C<br>31   | c 1          | 1                  | 14510.1<br>I       | 1               | 0.2    |             |
| I-N   1-3SLB <br>     322<br>     656 | 1-3 IN DE 90 D 36 IN R BH<br>0481 BEND CONDUIT DE 3 IN 90<br>4001 SLURRY MIX, 1 SACK SANI | END SLURRY ENC<br>0 D 36 IN R<br>D | 2 EF<br>  2 EF<br>  2 EF | <i>f</i>   C | I C I        | [                  | 13373.2<br>1       |                 | 0.1    |             |
| NORK FAC<br>FUNC CODE DESC            | EXIST TAG NEW TAG   |                                    |                          | CONS         | TRUCT        | ION NOT            | ES                 |                 |        |             |
| I PD PAD                              | D218234   | SE                                 | E SHT 4                  |              |              |                    |                    |                 |        |             |
|                                       |   |                                    |                          |              |              |                    |                    |                 |        |             |
|                                       |   |                                    |                          |              |              |                    |                    |                 |        |             |

| ROJECT: 25 | 3568 0               | 705 01             | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                      |                    | 1                 |               |          |              |               | STATUS: AC      | T WO                    | RK ORDER        | R: 2960700 |
|------------|----------------------|--------------------|--|--------------------|-------------------|---------------|----------|--------------|---------------|-----------------|-------------------------|-----------------|------------|
| ESIGN: 01  | NAME                 | : ROLAND           | O BLK 7G2 T&C JOB 1 STATU  | S: ACT             |                   | <b>.</b>      |          |              |               |                 |                         |                 |            |
| OCATION: 3 | 21 SHE               | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                    |                   |               |          |              | PHO           | NE: 999-99      | 99                      | LOCATION        | N 321 OF 5 |
|            |                      |                    | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD       | <br>  UM          | WRK<br> RSP   | MAT      | TIM          | ACC<br>TRT    | STANDARD        | CREW<br>[ TYPE          | EST  <br> HOURS |            |
| I-N <br>   | BH03XH<br> <br>      | <br> X20201        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 73<br>  55<br>  1  | FT<br>  EA        | C<br> <br>    | l<br>L C | S  <br>      | С             | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4 | 2.9             |            |
| I-N <br>   | REM-3'               | <br> X30007        | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 73                 | I FT<br>I CY      | i c<br>I      | c        | S            | С             | <br>[           | C-DT                    | 6.41            |            |
| I-NI       | SLR-18<br>           | 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 219<br>  13        | FT                | i C<br>I      |          | S            | I C           | G7409           |                         | 0.4             | i          |
| I-N1       | 1EB3SL<br> <br>      | 2496641            | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 73<br>  73<br>  73 | FT<br> FT         | i c<br>1<br>1 |          | is<br>I      | c             | 3376.1<br> <br> | 3-WF3<br> <br>          |                 |            |
|            | 1-3SLB<br> <br>      | 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                    | IEA<br>IEA<br>ICY | i c<br>I      | i –      | ; S<br> <br> | i c<br>I<br>I | 3373.2<br> <br> |                         |                 |            |
| I-N        | XING-U<br>           | 114215             | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX  | 1 1<br>  1         |                   | C<br>         |          | S            | 1 C<br>1      | 1               |                         | i 0.11          |            |
| I-N        | XING/S               |                    | TRAFFIC COND. (XING LANE) STREET REPAIR  | i 1                |                   | i c           |          | S            |               | i               | TC4                     |                 |            |
| I-N        | [<br>[LN-S/U         | i i                | TC-LANE CLOSURE URBAN STREET   | 1 1                |                   | Ċ             |          | S            |               | 1               | ITC3                    | 1.0             |            |
| I-N        | <br> LN/S/S          | i i                | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1                |                   | i c           | i        | S            | i c           | i               |                         | 1.01            |            |
| I-N[       | <br> AS-2CT          | İİ                 | ASPHALT 2 SAW CUT AND BREAK MECH   | ,<br>I 45          | FT                | i c           |          | S            | •             |                 |                         | 1 1 2           |            |
| I-N <br>   | <br> AB-M18<br> <br> | 11142011           | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i 45               | FT<br>  TN        | i C<br>1      | C        | S            | <br>  C<br>   | i               | IC-BC                   | 1.2             |            |
| I-N]       | SAW-CC               | I I                | SAW CUT CONCRETE   | j 20               | FT                | i c           | Ì        | S            | c             | i               | SR-30                   | 2.0             | <u> </u>   |
| I-N        | 1                    | 248205             | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | i 2                | IÉA<br>ICY        |               | i<br>I C | 1            | C<br>         | <br>            | SR3CS                   | 2.0 <br>[ ]     |            |
| <br>I-N    | <br>  PLANTU         | 1                  | REMOVE/REPLACE LANDSCAPING   |                    |                   |               |          |              |               |                 |                         | 1.4             |            |

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|------------|--------------------|--|--------------------|------------------------------------|-----------------|--|--------|-------------|-----------------|-----------|--------------|
| OJECT: 25  | 3568 JOB:0         | 1 REV:0 TYPE: UD                               | NAME: ROLANDO B.   |                                    |                 |  |        | STATUS: AC  |                 |           |              |
|            |                    | ANDO BLK 7G2 T&C JOB 1                         |                    | STATUS: ACT                        |                 |  |        |             |                 |           |              |
|            |                    | 1 DISTRICT: CM DESI                            |                    |                                    |                 |  | PHO    | DNE: 999-99 | 99<br>          | LOCATIO   | N 322 OF 587 |
| -CIMU ID   |                    | <br>K#  DESCRIPTION/                           |                    | S   RQD                            | UMIR            | SPIRSPI                                | TRTITR | STANDARD    | TYPE            | HOURS     |              |
| -N         | 1RED5-4            | CONDUIT BELL REDUC<br>84  CONDUIT BELL RED<br> | ER DE 5 IN TO 4 I  | Ň                                  | 1 EA  1<br>1 EA | יים<br>עו                              | SIC    | 3373.2      |                 |           |              |
| -n  <br>   | RED4-3 <br>   5733 | CONDUIT BELL REDUC                             | ER DB 4 IN TO 3 II | N  <br>                            | 1 EA <br>1 EA   | וטו                                    | s   c  | 3373.2      | l               | 1 l       |              |
| i          | <br>  PUMP-S ]<br> | <br>  PUMP AND/OR CLEAN<br>                    | мн/нн              | ł                                  | 1 EA]  <br>     | ין<br>ווי<br>ווי                       | s i c  | Ē           | PUMPT<br>  2WF3 | 2.0       |              |
| -N         |                    | I TC-LANE CLOSURE UR                           | BAN STREET         | 1                                  | 1   EA   1      | ויט                                    | sic    | i           | TC3             | 1 1.01    |              |
|            | <br> LN/S/S]       | LANE CLOSURE URBAN                             | I ST (STREET REPAI |                                    |                 | וו<br>ווט                              |        |             |                 | <br>  1.0 |              |
|            |                    |  |                    |                                    |                 |  |        |             |                 |           |              |
|            |                    |  |                    |                                    |                 |  |        |             |                 |           |              |
|            |                    |  |                    |                                    |                 |  |        |             |                 |           |              |
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| DP001EM2-LOCAL40-001SAN DIEGO GAS AND EL09/05/17 11:36DPSS - DESIGN REVIEW COP |   |
|--|---|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T                 |   |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS:                             | ACT   |
| LOCATION: 323 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER                | PHONE: 999-9999 LOCATION 323 OF 587   |
| WRK  | QTY    WRK!MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP{RSP TRT TRT  PAGE  TYPE  HOURS |
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| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG                                   | CONSTRUCTION NOTES  |
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| ROJECT        | : 253568           |     | JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB        | 1                        |               |                     |          | 1            | STATUS: AC         | T WO                         | RK ORDE          | R: 2960700  |
|---------------|--------------------|-----|------------------------|--|----------------|--------------------------|---------------|---------------------|----------|--------------|--------------------|------------------------------|------------------|-------------|
| ESIGN:        | 01 N               | AME | : ROLAI                | NDO BLK 7G2 T&C JOB 1 STATUS:  | ACT            |                          |               |                     |          |              |                    |                              |                  |             |
|               |                    |     |                        | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                |                          |               |                     |          | PHO          | NE: 999-99         | 199 ]                        | LOCATIC          | N 324 OF 58 |
| F−C   MU      |                    | ID  |                        | <br># DESCRIPTION/CONSTRUCTION NOTES   | [ QTY<br>[ RQD | <br>  UM                 | WRK<br> RSP   | MAT<br> RSP         | I TIM    | ACC<br>  TRT | STANDARD<br>  PAGE | CREW                         | EST  <br>  HOURS |             |
| -N            | <b>3 '</b> स       | D-A | 1                      | HAND DIG TRENCH 3 FT DEEP AVE  | 16             | FT                       | ) C           |                     | I S      | C            | G7453              | 3-WF3                        | 6.3!             |             |
| [-N]          | Ì                  |     |                        | BACKFILL TRENCH 3 FOOT DEEP  | l.             | FT<br>                   | i C<br>I      | <br>                | S<br>    | l C<br>l     | ĺ                  | 3-WF3<br> C-BC               | 0.21             |             |
| E-N <br> <br> | <br>  SHD<br> <br> | -12 | 61149:                 | [<br>SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                     | 1 16           | TN<br>                   | ic<br>1<br>1  | <br>  C<br>         | S        |              | G7405<br> <br>     | <br> 3-WF3<br> C-BH<br> C-DT |                  |             |
| [-N <br>      |                    |     | 249664                 | <br>  1-3 IN DE CONDÙIT SEC<br>  CONDUIT DE 3 IN 20 FT LENGTH  | 16             | <br> FT<br> FT           | i C<br>1      | i                   | IS       | l            | 3373.1<br>         | <br> 3-WF3<br>               | 0.21             |             |
|               | R-X                | CES | 1X3000'                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE  | i 16<br>i 2    | CY                       | i c<br>I      | <br> <br>  C        | S<br>    | <br>  C<br>  | <br>               | IC-DT                        | i i              |             |
| -N            | cc-                | 2CT |                        | CONCRETE 2 SAW CUT AND BREAK MECH  | 1 16           |                          | I C           |                     | l<br>I S |              | İ                  | <br>  SR3AS                  | 0.61             |             |
| -N            | CF-                | H12 | 1                      | FINISH CONCRETE SURFACE MAN 12 IN  | 1 16           |                          | i C           |                     | <br>  \$ | i C          | l                  | I<br>ISR3CS                  | 0.1              |             |
| E-N <br> <br> | <br>  3H0<br>      | 3хн | <br> X2020:<br> 11421: | [<br>  MACH DIG TRENCH 3 FT DEEP BACKHOE<br>   TRAFFIC BEARING STEEL PLATE<br>5  ASPHALT, COLD MIX     |                | <br>  FT<br>  EA<br>  TN | i c<br>1<br>1 | C<br>  C            | 1        | [<br>        | G7453<br> <br>     | <br> C-BC<br> C-BH<br> 3SWF4 | 0.21             |             |
| C-N           |                    | -3' | X3000                  | ( TRENCH SPOIL 3 FT DEPTH<br>7   DUMPING FEE   | i 5<br>i 2     | CY                       | i C<br>1      | C                   | is<br>I  | İ            | [                  | IC-DT                        | 0.41             |             |
| [-N <br>      | SLR                | -18 | (                      | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP  | 15<br>  1      | -                        | i c<br>I      |                     | S        | i c          | G7409              | <br> 3-WF3                   | i i              | <u>.</u>    |
| [N <br> <br>  | 1                  | 3SL | <br> 24966 <br> 65640  | 1-3 IN EB CONDUIT SLURRY ENCASED   | i 59<br>I 59   | <br> FT<br> FT<br> CY    | i C<br>I      | <br>  C<br>  C      | Ì        | <br>         | 3376.1<br> <br>    | 3-WF3<br>                    | i i              |             |
| -N]           | 1                  | SLB | 322048<br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLÜRRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1              | EA<br> CY                | i             | <br> <br>  C<br>  C | Ì        |              | 3373.2<br> <br>    | 3-WF3<br>                    | i i              |             |
| -N;           | LN-                | s/u |                        | TC-LANE CLOSURE URBAN STREET   | i 1            |                          | i c           | 1                   | I S      | C            | ]                  | TC3                          |                  |             |
| <br>  N       | <br>  LN/          | s/s | i                      | LANE CLOSURE URBAN ST (STREET REPAIR)  | j 1            |                          | c             | •                   | • -      | l C          | 1                  | TC4                          | 1.0              |             |
| -n            | cc-                | 2CT | i                      | CONCRETE 2 SAW CUT AND BREAK MECH  | i 5            |                          | с             | i                   | s        |              |                    | <br>  SR3AS                  | 0.2              |             |
| <br> -N       | <br> CF-           |     |                        | FINISH CONCRETE SURFACE MAN 18 IN  |                | <br>  FT                 | l C           |                     | S        |              |                    | <br> SR3CS                   |                  |             |

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## CONSTRUCTION NOTES

| DP001EM2-L<br>09/05/17 1 | CAL40-00<br>1:36 | 01                | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC  | DECTRIC           | TATI               |             |                 |              |               |                  |                           | P.                   | AGE NO 362   |
|--------------------------|------------------|-------------------|---|-------------------|--------------------|-------------|-----------------|--------------|---------------|------------------|---------------------------|----------------------|--------------|
| ROJECT: 2                |                  |                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | TOR JOR           | 1                  |             |                 |              |               | TATUS - AC       | т йо                      | RK ORDE              | R: 2960700   |
| ESIGN: 01                | NAME             | : ROLANE          | DO BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                    |             |                 |              |               |                  |                           |                      |              |
|                          | 325 SHE          | ET: 01            | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |             |                 |              | PHO           | NE: 999-99       | 99                        | LÓCATIO              | N 325 OF 587 |
| WRK <br> F-C MU ID       | <br> AU ID       | <br>  stock# [    | DESCRIPTION/CONSTRUCTION NOTES  | ROD               | UM                 | RSP         | RSP             | TRT          | TRT           | STANDARD<br>PAGE | [ TYPE                    | HOURS                |              |
| I-N!                     | 3'HD-A           | J I               | HAND DIG TRENCH 3 FT DEEP AVE   | 15                | ETI                | C           | 1               | I S          | С             | G7453            | 13-WF3                    | 5.9                  |              |
| <br> I-N <br>!           | <br> BKF-3'      | 1                 | BACKFILL TRENCH 3 FOOT DEEP   | 15<br>            | [FT <br>           | С           | 1<br>1          | s            | С             |                  | 3-WF3<br> C <b>-</b> BC   | 0.2 <br>  0.2        |              |
| <br>  I – N  <br>        | 1                |                   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                   | i 15<br>I 1       | TN  <br>  j        | С           | C<br>           | <br>         | C             | G7405<br> <br>   | 3-WF3<br>  C-BH<br>  C-DT | 1 1<br>1 1           |              |
| I-N <br>  .              | 1DB3-S<br>[      | 249664            | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | i 15<br>  15      | FT<br>FT           | C           | c c             | S            | i c           | 3373.1           | <br> 3-WF3<br>            | 0.2 <br>             |              |
| I-N <br>                 | IR-XCES          | X30007            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 15<br>  2         | FT                 | C<br>       | c               | S            | i C           | l<br>I           |                           | 0.4                  |              |
| <br> I-N                 | icc-2ct          |                   | CONCRETE 2 SAW CUT AND BREAK MECH   | j 15              | FT                 | I C         |                 | is<br>[      | C             | 1                | •                         | 0.6                  | <del></del>  |
| I-N                      | <br> CF-H12      | Ì                 | FINISH CONCRETE SURFACE MAN 12 IN   | i 15              | FT                 |             | :               |              | C             | l                |                           | 0.1                  |              |
| ]<br> I-N <br>           | 1                | <br> X20201       | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX           | 5<br>  4<br>  1   | FT<br>  EA<br>  TN | іс<br> <br> | <br>  C<br>  C  | ) S<br>1<br> | i ¢<br>I<br>I | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4   | 0.2                  |              |
| I-N                      | i i              | X30007            | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 5<br>1 2        | CY                 | i c<br>I    | i<br>I C        | S<br>        | i c           | 1                | C-DT                      | [ [<br>] 0_4 <br>] 1 |              |
| I-N                      | SLR18<br>        | <br> <br> 656400  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                              | 15<br>  1         | FT<br> CY<br>      | i C<br>I    | <br>  C         | S            | C<br>         |                  | 3-WE3<br>                 | [                    |              |
| I-N                      | 1EB3SL<br> <br>  | 249664<br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>  CONDUIT DB 3 IN 20 FT LENGTH<br>  SLURRY MIX, 1 SACK SAND | 25<br>  25<br>  1 | FT<br>  FT<br>  CY | C<br> <br>  | )<br>  C<br>  C | 1 5          | i C<br>I      | 3376.1<br> <br>  | 3-WE3                     | 0.41                 |              |
| <br> I-N <br>            | 1-3SLB<br> <br>  | 322048<br>656400  | 1 1-3 IN DR 90 D 36 IN R BEND SLURBY ENC  | i 1<br>i 1<br>i 1 | EA<br> CY          | 1 C<br>1    | <br>  C<br>  C  | S<br> <br>   | C<br> <br>    | 3373.2<br> <br>  | 3-WF3                     | 0.1                  |              |
| I–N                      | (<br>  ln-s/u    | ri –              | TC-LANE CLOSURE URBAN STREET  | į 1               | •                  | i c         | j               |              | i c           | i                | TC3                       | i 1.0                |              |
| I-N                      | <br> LN/S/S      | i -               | LANE CLOSURE URBAN ST (STREET REPAIR)   | i 1               | ]EA                | <br>  C     | i               | <br>  S      | i c           | 1                | TC4                       | 1 1.0                | l            |
| I - N                    | 1<br>1CC-2CT     | ri -              | CONCRETE 2 SAW CUT AND BREAK MECH   |                   |                    | ic          | i               | <br>  S      | i c           | i                | SR3AS                     | 1 0.2                | . <u></u>    |
| <br> I-N                 | <br>[CF-H18      | 1                 | <br>  FINISH CONCRETE SURFACE MAN 18 IN   | 5                 |                    | 1<br>  C    |                 | <br>  S      |               |                  |                           | <br>                 | ( <u></u>    |

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## CONSTRUCTION NOTES

| ROJECT: 25        | 3568            | JOB:01                  | REV:0 TYPE:                                       | ud name              | : ROLANDO BLF       | (7G2 -T&   | С ЈОВ 1                    |             |                |       | S    | STATUS: AC       | T WOI           | K ORDE         | R: 2960700   |
|-------------------|-----------------|-------------------------|---|----------------------|---------------------|------------|----------------------------|-------------|----------------|-------|------|------------------|-----------------|----------------|--------------|
| ESIGN: 01         | NAME            | : ROLAND                | 0 BLK 7G2 T&C JOB                                 | 1                    | <br>۶               | STATUS: AG | <br>CT                     |             |                |       |      |                  |                 |                |              |
| OCATION: 3        | 26 SHE          | ET: 01                  | DISTRICT: CM D                                    | ESIGNED B            | Y: GEORGE BON       | INER       |                            |             |                |       | PHON | VE: 999-99       | 99 1            | LOCATIO        | N 326 OF 587 |
| WRK1<br>F-C MU ID | i<br> AU ID     | <br> STOCK#             | DESCRIPTI   | ON/CONSTR            | UCTION NOTES        |            | QTY  <br>RQD  UM           | WRK<br> RSP | MAT<br> RSP    | TIM]  | ACC  | STANDARD<br>PAGE | CREW            | EST  <br>HOURS |              |
| I-N <br>          | 3'HD-A          |                         | HAND DIG TRENCH                                   | 3 FT DE              | EP AVE              |            | 9!FT                       | C           | Í.             | S     | C    | G7453            | 3WF3            | 3.7            |              |
| 1                 | BKF-3'<br> <br> | 1                       | HAND DIG TRENCH<br>BACKFILL TRENCH                | 3 FOOT D             | EEP                 |            | 9 FT                       |             | 1              | I S 1 |      |                  | 3-WF3 <br> C-BC | 0.1            |              |
| I-N               | SHD-12<br> <br> | i i                     | SHADE TRENCH WI<br>SAND, FILL R                   |                      |                     |            | 9   FT<br>1   TN<br>       | Ì           | <br>  c<br>    |       | С    | G7405            | C-DT            |                |              |
| I-N               | 1DB3-S<br>      | i i                     | 1-3 IN DE CÒNDU<br>CONDUIT DE 3                   | IT SEC<br>IN 20 FT 1 | LENGTH              |            | 9!FT<br>9!FT               | i           |                | S     |      | 3373.1           |                 | 0.1            |              |
| I-N               | ir-xces         | i i                     | EXCESS TRENCH S<br>DUMPING FEE                    | POIL (12             | IN DEEP)            |            | 9 FT<br>1 CY               | C           | <br>  C        | S     | с    |                  | C-DT            | 0.2            |              |
| L-N               |                 | 1 1                     | CONCRETE 2 SAW                                    | CUT AND B            | REAK MECH           |            | 91FT                       | i c         | 1              | S     | CI   |                  | SR3AS           | 0.4            |              |
| I-N               |                 | i i                     | FINISH CONCRETE                                   | SURFACE              | MAN 12 IN           |            | 9 FT                       | i c         | i –            | S     | ci   |                  | SR3CS           | i i            |              |
|                   | і внозхн<br>1   | <br> X20201             | MACH DIG TRENCH<br>TRAFFIC BEARI<br>ASPHALT, COLD | NG STEEL !           | EP BACKHOE<br>PLATE |            | 5   FT<br>4   EA<br>1   TN | . <br>      | <br>  C<br>  C |       | C    | G7453            | C-BH<br>3SWF4   | 0.21           |              |
| I <b>-</b> N <br> | REM-3'<br>      |                         | TRENCH SPOIL 3<br>DUMPING FEE                     | FT DEPTH             |                     |            | 51FT<br>21CY               |             |                | S     | С    |                  | C-DT            | 0.4            |              |
| I-N               | SLR-18<br>      | i i                     | BACKFILL SLURRY<br>SLURRY MIX, 1                  |                      |                     | EP         | 10 FT<br>1 CY              |             | l c            | S     | c    |                  | 3-WF3           |                |              |
| I-N  <br> <br>    | ileb3sL<br>l    | <br> 249664 <br> 656400 | 1-3 IN EE CONDU<br>CONDUIT DE 3<br>SLURRY MIX, 1  | IN 20 FT 3           | LENGTH              |            | 3 FT<br>3 FT<br>1 CY       |             | i c<br>I c     |       |      |                  | i i             | 1              |              |
| I−N¦              | LN-S/U          | i i                     | TC-LANE CLOSURE                                   | URBAN ST             | REET                |            | 1   EA                     | i c         | i '            | S     | C I  |                  | TC3             | 1.0            |              |
| E-N               | <br> LN/S/S<br> | i i                     | LANE CLOSURE UR                                   | BAN ST (S'           | TREET REPAIR)       | 1          | 1   EA                     |             | i ·            | S     | сі   |                  | 1 TC4           | 1.0            |              |
| E-N               | <br> CC-2CT     | i i                     | CONCRETE 2 SAW                                    | CUT AND BI           | REAK MECH           | 1          |                            | i c         | E              | S     |      |                  | <br>  SR3AS     | 0.21           |              |
| I-N               | CF-H18          |                         | FINISH CONCRETE                                   | SURFACE              | MAN 18 IN           | 1<br>1     | <br>5   FT                 |             |                | S     | C I  |                  | I<br>SR3CS      | [<br>          |              |

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| OJECT: 25        | 3568 3      | JOB:01                                | REV-0 TYPE: UD   | NAME: ROLANDO BLK 7G2 -                    | T&C JOB         | 1              |         |        |             |                                       |                  |                  |               | R: 2960700  |
|------------------|-------------|---------------------------------------|--|--|-----------------|----------------|---------|--------|-------------|---------------------------------------|------------------|------------------|---------------|-------------|
| SIGN: 01         | NAME :      | ROLANI                                | O BLK 7G2 T&C JOB 1                                      | STATUS:                                    | ACT             |                |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       | DISTRICT: CM DESIG                                       | SNED BY: GEORGE BONNER                     |                 |                |         |        |             |                                       | VE: 999-99       |                  | JOÇATIC       | N 327 OF 58 |
| RK <br>F-C MU ID | AU ID       | STOCK#                                | DESCRIPTION/   |  | RQD             | UM             | RSP     | RSP    | TIM         | ACC                                   | STANDARD<br>PAGE | CREW  <br> TYPE  | HOURS         |             |
|                  | 13313TC     | . ,                                   | HANDHOLE 3313 WITH                                       | TRAFFIC COVER<br>ER HANDHOLE COMPLETE      | i 10            | EA             | СІ      | 1      | S           | C                                     | 3313             | BOOMT            | 30,01         |             |
| I-N !            | X13H-A      |                                       | EXCAVATE 3313 HAND                                       |  | 1               | EA             | C       | 1      | [\$         |                                       | 3313.2           | 35WF3            | 0.4           |             |
| -N               |             | 1                                     | CONCRETE 1 SAW CUT                                       |  | 1               | FT.            | С       |        | S           |                                       | İ                | SR3AS            | i I           |             |
| :-N <br>         | 1           | <br> 248205                           | CONCRETE - 6 SAC   | (IN PKY OR NEW CONST)<br>K (3/4" ROCK MIX) | i 1             | EA<br>CY       | Ċ       | C I    | S           | [ C                                   | l<br>I .         | SR3CS<br>  BOOMT | 1.5 <br>  4.0 |             |
| 1                | 1-3SLB<br>  | 322048                                | 1-3 IN DB 90 D 36<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA |  | 3<br>  3<br>  1 | EA<br>EA<br>CY | С       | C<br>C | S<br> <br>[ | 1 C<br> <br>                          | 3373.2<br>       | 3-WF3<br> <br>   | 0.2           |             |
|                  | LN-S/U      |                                       | TC-LANE CLOSURE UR                                       | BAN STREET                                 | 1               | ĒA             | C       | 1      | \$          |                                       | i                | 1<br>  TC3       | 1.0           |             |
| <br>[—]] [       | <br> LN/S/S |                                       |  | ST (STREET REPAIR)                         | i<br>i 1        |                | <br>  C |        |             | <br>! C                               |                  | I TC4            |               |             |
| FUNC CODE        | E DESC      |                                       | EXIST TAG NEW  | 140  |                 |                |         |        |             | NOT                                   |                  |                  |               |             |
|                  |             |                                       |  |  | CE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       |  |  | SE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  | <b></b> _   |                                       |  |  | CE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       |  |  | EE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             | · · · · · · · · · · · · · · · · · · · |  |  | EE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             | -                                     |  |  | CE SHT 4        |                |         |        |             |                                       |                  |                  |               | ·           |
|                  |             |                                       |  |  | ZE SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       |  |  | 3E SHT 4        |                |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       |  |  | 3E SHT 4        | -              |         |        |             |                                       |                  |                  |               |             |
|                  |             |                                       |  |  | SE SHT 4        | -              |         |        | - <b>i</b>  | · · · · · · · · · · · · · · · · · · · |                  |                  |               |             |
|                  |             |                                       |  |  | 3E SHT 4        |                |         |        |             |                                       |                  |                  |               |             |

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| EBIEN: 01         NAME: FOLANDO BLK 7G2 TAC JOB 1         STATUS: ACT           CCATION: 328         SHEET: 01         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         PHONE: 999-9999         LOCATION           GREM:         I         DISTRICT: CM         DESIGNED BY: GEORGE BONNER         GTY         IVER.MAT: ITMIACC (STANDARD, CREW   EST, TROW         CREW   EST, TROW         COMPLEX         GTY         IVER.MAT: ITMIACC (STANDARD, CREW   HOURS)         CREW   EST, TROW         HOURS         IVER.MAT: ITMIACC (STANDARD, CREW   HOURS)         CREW   EST, TROW         HOURS         IVER.MAT: ITMIACC (STANDARD, CREW   HOURS)         IVER   HOURS)         IVER.MAT: ITMIACC (STANDARD, CREW   HOURS)         IVER   HOURS)         IVER.MAT: ITMIACC (STANDARD, CREW   HOURS)         IVER | ROJECT: 25 | 3568 .           | JOB:01                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB         | 1              |         |                   |     |               |                |                              |                   | R: 2960700  |
|--|------------|------------------|--------------------------|--|-----------------|----------------|---------|-------------------|-----|---------------|----------------|------------------------------|-------------------|-------------|
| IRK       OTY       INRK MATITIMIACCISTANDARD       ICCN       EST        C.MU ID       AU ID       ETOCK#       DESCRIPTION/CONSTRUCTION NOTES       OTY       INRK MATITIMIACCISTANDARD       ICCN       EST        NI       13'HD-AI       HAND DIG TRENCH 3 FT DEEP AVE       12 IFT C       S       C       G7453       13-MF3       4.8        NI       BKF-3'       BACKFILL TRENCH 3 FOOT DEEP       12 IFT C       S       C       G7453       13-MF3       0.2        NI       BKF-3'       BACKFILL TRENCH 3 FOOT DEEP       12 IFT C       S       C       G7453       13-MF3       0.2        NI       SHD-12       SHADE TRENCH WITH SAND - 12 INCH WIDTH       12 IFT C       S       C       G7405       3-MF3       0.2        NI       1DB3-S       1-3 IN DE CONDUIT SEC       12 IFT C       S       C       G7405       3-WF3       0.2         I-NI       C249664       CONDUIT DE 3 IN 20 FT LENGTH       12 IFT C       S       C       S7373.1       3-WF3       0.2         I-NI       C2-CCT       CONCRETE SAW CUT AND BREAK MECH       12 IFT C       S       C       SR326       1-3         I-NI       CC-F112       FINISH CONCRETE SURFACE MAN 12 IN  | SIGN: 01   | NAME             | ROLAND                   | D BLK 7G2 T&C JOB 1 STATUS:  |                 |                | • ••••• |                   |     |               |                |                              |                   |             |
| CHUI ID         AU ID         ETCCRFFION/CONSTRUCTION NOTES         RQD         UMIRSPIRSPIRT         THT         THT         THT         THT         HOURS           I-N         3'HD-A         HAND DIG TRENCH 3 FT DEEP AVE         12 FT C         S         C         G7453         3-WF3         4.8           I-N         BKF-3'         BACKFILL TRENCH 3 FOOT DEEP         12 FT C         S         C         G7453         3-WF3         0.2           I-N         SHD-12         SHADE TRENCH WITH SAND - 12 INCH WIDTH         12 FT C         S         C         G7405         3-WF3         0.2           I-N         161432         SAND, FILL RECYCLED MATLS PREFFERED         11 IN         C         IC-DT         IC-DT         IC-DT           -N         1DB3-S         1-3 TN DB CONDUT SEC         12 FT C         IS C         S373.1         3-WF3         0.2           I-N         R-XCES         EXCESS TRENCH SPOIL (12 IN DEEP)         12 FT C         S IC C         C-DT         0.3           X30007         DUMPING FEE         21 CY         C         S IC C         SRABS         0.5           I-N         IC-FH12         FINISH CONCRETE SUFFCE MAN 12 IN         12 FT C         S IC G7453         C-BC 0.2   | CATION: 3  | 28 SHE           | ET: 01 :                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                 |                |         |                   |     | PHOI          | NE: 999-99     | 99 I                         | LOCATIO           | N 328 OF 58 |
| N         3'HD-A         HAND DIG TRENCH 3 FT DEEP AVE         12 FT         C         S         C         G7453         3-WF3         4.8           I-N         BKF-3'         BACKFILL TRENCH 3 FOOT DEEP         12 FT         C         S         C         G7453         3-WF3         0.2           I-N         SHD-12         SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>1611492         SAND, FILL RECYCLED MATLS PREFFERED         12 FT         C         S         C         G7453         3-WF3         0.2           I-N         1DB3-SI         I-3 IN DB CONDUIT SEC         12 FT         C         S         C         G7405         13-WF3         0.2           I-N         IDB3-SI         I-3 IN DB CONDUIT SEC         12 FT         C         S         C         G7405         13-WF3         0.2           I-N         R-KCESI         EXCEPS TEENCH SPOIL (12 IN DEEP)         12 FT         C         S         C         G7453         C-DT         0.3           I-N         R-KCESI         EXCEPS TEENCH SPOIL (12 IN DEEP)         12 FT         C         S         C         SR345         0.5           I-N         IC-PH12         FINISH CONCRETE SURFACE MAN 12 IN         12 FT         C         S         C  | -C MU ID   | AU ID            | STOCK#                   | DESCRIPTION/CONSTRUCTION NOTES   | RQD             | UM             | RSP     | RSP               | TRT | TRT           | PAGE           | TYPE                         | HOURS             |             |
| E-N         BKF-3'         BACKFILL TRENCH 3 FOOT DEEP         12 FT C         S         C         3-WF3         0.2           I-N         SHD-12         SHADE TRENCH WITH SAND - 12 INCH WIDTH         12 FT C         S         C         G7405         3-WF3         0.2           I-N         I611492         SAND, FILL RECYCLED MATLS PREFFERED         I TN         C         I         I C-BC         0.2           I-N         IDE3-S         I-3 IN DE CONDUIT SEC         IITN         I C         I C-DT         I C-DT           I-N         IDE3-S         I-3 IN DE CONDUIT SEC         I2 FT C         I S I C         I C-DT         I C-DT           I-N         R-XCES         EXCESS TRENCH SPOIL (12 IN DEEP)         I2 FT C         I S I C         I C-DT         0.3           I-N         ICC-2CT         CONCRETE 2 SAW CUT AND BREAK MECH         I 2 FT C         I S I C         I SR3GS           I-N         ICC-2T         CONCRETE SURFACE MAN 12 IN         I 2 FT C         I S I C         SR3GS           I-N         ICC-2CT         CONCRETE SURFACE MAN 12 IN         I 1 TN         I C         I S I C         I S I C           I-N         ICC-2CT         CONCRETE SURFACE MAN 12 IN         I 1 IN         I I I I I I I I I I I I I I I I I I I   | N          | 3 ' HD-A         | 1 1                      | HAND DIG TRENCH 3 FT DEEP AVE  | i 12            | ET             | С       | I I               | s   | ,<br>c        | G7453          | 3-WF3                        | 4.8               |             |
| -NI       SHD=12       SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>IG11492       12 IFT C       C       S       C       G7405       3-WF3       C-BH         -NI       1DB3-S       1-3 IN DB CONDUIT SEC       12 IFT C       C       S       C       G7405       3-WF3       C-DH         -NI       1DB3-S       1-3 IN DB CONDUIT SEC       12 IFT C       S       C       ISTC       C-DT </td <td>-N</td> <td>  BKF-3 '</td> <td>1 I<br/>1 I</td> <td></td> <td></td> <td>FT</td> <td>С</td> <td>i i</td> <td>s</td> <td>i c<br/>I</td> <td></td> <td> 3-WF3 <br/> C-BC  </td> <td>0.2<br/>0.2</td> <td></td>   | -N         | BKF-3 '          | 1 I<br>1 I               |  |                 | FT             | С       | i i               | s   | i c<br>I      |                | 3-WF3 <br> C-BC              | 0.2<br>0.2        |             |
| NI       1DB3-S        1-3 IN DB CONDUIT SEC<br>COMPUT DB 3 IN 20 FT LENGTH       12 FT       C       S       C       3373.1       3-WF3       0.2        NI       R-XCES       EXCESS TRENCH SPOIL (12 IN DEEP)       12 FT       C       S       C       C-DT       0.3        NI       R-XCES       EXCESS TRENCH SPOIL (12 IN DEEP)       12 FT       C       S       C       C-DT       0.3        NI       ICC-2CT       CONCRETE 2 SAW CUT AND BREAK MECH       12 FT       C       S       C       ISS333       0.5        NI       ICC-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 FT       C       S       C       ISR3AS       0.5        NI       ICC-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 IFT       C       S       C       ISR3AS       0.5        NI       IBH03XH       MACH DIG TRENCH 3 FT DEEP BACKHOE       5 IFT       C       IS IC 107453       C-BC       0.2        NI       IREM-3'       TRENCH SPOIL 3 FT DEPH       5 IFT       C       IS IC 107453       C-BT       0.4        NI       IREM-3'       TRENCH SPOIL 3 FT DEPH       5 IFT       C       IS IC 107453       C-DT       0.4        NI   | -N         | SHD-12<br> <br>  | <br> 611492 <br>         | SAND, FILL RECYCLED MATLS PREFFERED  | i 1             | TN]            |         | C                 |     | C<br> <br>    | G7405<br> <br> | 3-WF3 <br> C-BH  <br> C-DT   |                   |             |
| IN       IR-XCES       EXCESS TRENCH SPOIL (12 IN DEEP)       12 FT C       S C       IC-DT       0.3         IX30007       DUMPING FEE       IC       S C       IC-DT       0.3         IN       ICC-2CT       CONCRETE 2 SAW CUT AND BREAK MECH       12 FT C       S IC       ISR3AS       0.5         I-NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 FT C       S IC       ISR3CS       ISR3CS         I-NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 FT C       S IC       ISR3CS       IC-BC       0.2         I-NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 IFT C       S IC       ISR3CS       IC-BC       0.2         I-NI       IREM-31       TRAFFIC BEARING STEEL PLATE       4 IEA       C       IC       ISR3CS       IC-BC       0.2         I-NI       IREM-31       TRENCH SPOIL 3 FT DEPTH       ITNI IC       ISTIC       S IC       IC-DT       0.4         I-NI       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       ISIFTI C       S IC       IC-ADT       0.4         I-NI       ISLBA-18       BACKFILL SLURRY MIX, 1 SACK SAND       IICXI IC       IICXI IC       IIC       IICXI IC       IICXI IC       IICXI IC  | -N         | 1DB3-S           | <br> 249664[             | CONDUIT DB 3 IN 20 FT LENGTH   | 1 12            | FT             |         | I C               | S   | i C<br>I      | 3373.1<br>I    | 13-WF31                      | 0.2               |             |
| -NI       ICC-2CT       CONCRETE 2 SAW CUT AND BREAK MECH       12 FT C       S C       SR3AS       0.5         -NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 FT C       S C       SR3CS          -NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12 FT C       S C       SR3CS          -NI       IBH03XH       MACH DIG TRENCH 3 FT DEEP BACKHOE       5 FT C       S C       G7453       C-BC I       0.2         -NI       IBH03XH       MACH DIG TRENCH 3 FT DEEP BACKHOE       5 FT C       S C       G7453       C-BC I       0.2         -NI       IL1215       ASPHALT, COLD MIX       11TN I       C       I       3SWF4I       0.4         -NI       IREM-3'       TRENCH SPOIL 3 FT DEPTH       5 FTI C       S I C       G7409       3-WF3I         -NI       ISLRP-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       15 FTI C       S I C IG7409       3-WF3I         -NI       ILEB3SL       1-3 IN EB CONDUIT SLURRY ENCASED       3 FTI C       S I C IG7409       3-WF3I         -NI       ILEB3SL       1-3 IN EB CONDUIT SLURRY ENCASED       3 FTI C       S I C IG7409       3-WF3I         -NI       ILB3SL       1-3 IN EB CONDUIT DE 3 IN 20 FT LENGTH </td <td>-N  </td> <td> R-XCES<br/> </td> <td>   <br/> X30007[</td> <td>EXCESS TRENCH SPOIL (12 IN DEEP)<br/>DUMPING FEE</td> <td>i 12<br/>  2</td> <td>FT<br/>CY</td> <td>c</td> <td>l C</td> <td>i</td> <td>I C</td> <td> <br/> </td> <td>IC-DT I</td> <td>0.3</td> <td></td>          | -N         | R-XCES<br>       | <br> X30007[             | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 12<br>  2     | FT<br>CY       | c       | l C               | i   | I C           | <br>           | IC-DT I                      | 0.3               |             |
| -NI       ICF-H12       FINISH CONCRETE SURFACE MAN 12 IN       12  FT   C   S   C         SR3CS           -NI       IBH03KH         MACH DIG TRENCH 3 FT DEEP BACKHOE       5  FT   C   S   C   G7453   C-BC   0.2                   X20201       TRAFFIC BEARING STEEL PLATE       4  EA   C   1         IC-BH 0.2                   114215       ASPHALT, COLD MIX       1  TN   C   1         IC-BT   0.4           -NI       IREM-3'         TRENCH SPOIL 3 FT DEPTH       5  FT   C   S   C   G7409   3-WF3         -         -NI       ISLR-18         BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       15  FT   C   S   C   G7409   3-WF3         -         -NI       IEB3SL         1-3 IN EB CONDUIT SLURRY ENCASED       3  FT   C   S   C   3376.1         3-WF3         -         -NI       ILB93SL         1-3 IN EB CONDUIT SLURRY ENCASED       3  FT   C   S   C   3376.1         3-WF3         -         -NI       ILB93SL         1-3 IN 20 FT LENGTH       3  FT   C   S   C         S   C   10         -         -NI       ILB04641       CONDUIT DB 3 IN 20 FT LENGTH       3  FT   C   S   C         S   C   10         -         -NI       ILM-S/U         TC-LANE CLOSURE URBAN STREET       1   EA   C   S   C         S   C   10         -         -NI       ILN-S/S         LANE CLOSURE URBAN ST (STR  | -N [       | CC-2CT           | i i                      | CONCRETE 2 SAW CUT AND BREAK MECH  | i 12            | FT             | С       | 1                 | s   | I C           | l              | SRJAS                        | 0.5               |             |
| -NI        BH03XH        MACH DIG TRENCH 3 FT DEEP BACKHOE       5  FT  C         S   C   G7453       C-BC         0.2                    X20201        TRAFFIC BEARING STEEL PLATE       4  EA        C         1       1         0.2                    X20201        TRAFFIC BEARING STEEL PLATE       4  EA        C         1       1         0.2           -NI        ITM          C                  ITM          C                  ITM          0.4           -NI        REM-3'        TRENCH SPOIL 3 FT DEPTH       5  FT  C         S   C         C -DT         0.4           -NI        REM-3'        TRENCH SPOIL 3 FT DEPTH       5  FT  C         S   C   G7409       3 -WF3           -NI        SIR-18        BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       15  FT  C         S   C   G7409       3 -WF3           -NI        SIR-18        BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       15  FT  C         S   C   G7409       3 -WF3           -NI        LEB3SL        1 -3 IN EB CONDUIT SLURRY ENCASED       3  FT  C         S   C   3376.1       3 -WF3         -         -NI        LE94641       CONDUIT DB 3 IN 20 FT LENGTH       3  FT  C         S   C         I         -         -NI        LN-S/U   | -N [       | CF-H12           | i i                      |  | i 12            | FT             | с       | 1                 | s   | i c           | l              | SR3CS                        | [ ]               |             |
| -NI       IREM-3'I       ITRENCH SPOIL 3 FT DEPTH       5 FT C I       S C I       C-DT I       0.4]         I       IX30007       DUMPING FEE       I       2 CYI       C I       I       I       I         -NI       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       ISIFTI C I       S I C IG7409       3-WF3I       I         -NI       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       ISIFTI C I       S I C IG7409       3-WF3I       I         -NI       I 656400       SLURRY MIX, 1 SACK SAND       I ICYI       C I       S I C I3376.1       3-WF3I       I         -NI       I 12496641       CONDUIT DB 3 IN 20 FT LENGTH       I SIFTI C I       S I C I3376.1       I-WF3I       I <td>-N  </td> <td>і внозхн<br/>І</td> <td>   <br/> X20201 </td> <td>TRAFFIC BEARING STEEL PLATE</td> <td>  5<br/>  4<br/>  1</td> <td>FT<br/>EA<br/>TN</td> <td>с</td> <td>1<br/>  C<br/>  C '</td> <td>S</td> <td>i c<br/>I<br/>I</td> <td> G7453<br/> <br/> </td> <td> C-BC  <br/> C-BH  <br/> 3\$WF4 </td> <td>0.2<br/>0.2<br/>0.4</td> <td></td>                            | -N         | і внозхн<br>І    | <br> X20201              | TRAFFIC BEARING STEEL PLATE  | 5<br>  4<br>  1 | FT<br>EA<br>TN | с       | 1<br>  C<br>  C ' | S   | i c<br>I<br>I | G7453<br> <br> | C-BC  <br> C-BH  <br> 3\$WF4 | 0.2<br>0.2<br>0.4 |             |
| -Ni       ISLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       ISIFT C       SIC [G7409       3-WF3]         I       IG56400       SLURRY MIX, 1 SACK SAND       ICY       IC       I       ICY       IC       IC       ICY       IC       IC       ICY       IC       ICY       IC       IC       ICY       IC       IC       ICY       IC       IC       IC       ICY       IC       IC       ICY       IC       IC       IC       ICY       IC  | -N         | REM-3 '<br>      | <br> X30007              | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 5<br>  2        | FT<br>CY       | С       | <br>  C           | S   | 1 C<br>1      | 1<br>1         | C-DT                         | 0.4               |             |
| -NI       [1EB35L]       1-3 IN EB CONDUIT SLURRY ENCASED       3 [FT] C   S   C 3376.1       3-WF3           I       [249664]       CONDUIT DB 3 IN 20 FT LENGTH       3 [FT] C   S   C 3376.1       I -WF3           I       [249664]       CONDUIT DB 3 IN 20 FT LENGTH       3 [FT] C   S   C 1   I   I   I   I   I   I   I   I   I  | -N         | SLR-18           | <br> 656400              | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                         | 15<br>  1       | FT<br>CY       | С       | i c               | S   | C<br>         | G7409<br>      | 3-WF3 <br>                   |                   |             |
| -N   LN-S/U     TC-LANE CLOSURE URBAN STREET   1  EA   C     S   C     TC3   1.0]<br>  | -N[        | (1£B3SL<br> <br> | <br> 2496641<br> 6564001 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX 1 SACK SAND | 3<br>  3<br>  1 | ET<br>ET<br>CY | с       |                   | S   |               | 3376.1         | 3-WF3 <br>  [                |                   |             |
| -N   LN/S/S    LANE CLOSURE URBAN ST (STREET REPAIR) [ 1 EA  C [ [ S   C      TC4   1.0[<br>   | -N         | LN-S/U           |                          | TC-LANE CLOSURE URBAN STREET   | 1               | EA             | С       | [                 | s   | i C           |                | TC3                          | 1.0               |             |
|  | -N         | LN/S/S           | i i                      | LANE CLOSURE URBAN ST (STREET REPAIR)  | [ 1             | EA             | с       | t i               | S   | i c           | T              | TC4                          | 1.0               |             |
| -N   CC-2CT   CONCRETE 2 SAW CUT AND BREAK MECH   5 FT C   S   C   SR3AS  0.21   | -N         | CC-2CT           | i i                      | CONCRETE 2 SAW CUT AND BREAK MECH  | i 5             | FT]            | C       | i i               | 5   | i c           | I              | SR3AS                        | 0.2               |             |
| -N   CF-H18  ; FINISH CONCRETE SURFACE MAN 18 IN   5 FT! C   [S   C    SR3CS  ]_   |            |                  | 1                        |  | ſ               |                |         |                   |     |               |                | <br> SR3CS                   |                   |             |

| ROJECT: 25        | 3568              | JOB:01                  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2         | -T&C JOB          | 1                  |              |                 |              | 4            | STATUS: AC       | T WO!                   | RK ORDE                 | R: 2960700  |
|-------------------|-------------------|-------------------------|---|-------------------|--------------------|--------------|-----------------|--------------|--------------|------------------|-------------------------|-------------------------|-------------|
| ESIGN: 01         | NAME              | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS  | S: ACT            |                    |              |                 |              |              |                  |                         |                         |             |
| OCATION: 3        | 29 SHEE           | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |              |                 |              | PHO          | NE: 999-99       | 99                      | LOCATIO                 | N 329 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID        | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD      | ÚΜ                 | WRK<br>RSP   | MAT<br>RSP      | TIM<br>  TRT | ACC<br>TRT   | STANDARD         | ICREW<br>ITYPE          | EST  <br> HOURS         |             |
| I-N1              | 3'HD-A            | + <b></b> +<br>         | HAND DIG TRENCH 3 FT DEEP AVE   | 5                 | FT                 | i c          |                 | S            | с            | G7453            | 3-WF3                   | 2.3                     |             |
| I-N <br>          | <br>  BKF-3 '<br> |                         | BACKFILL TRENCH 3 FOOT DEEP   | 5<br>             | FT                 | c            | <br>            | S            | С            | l                | 3-WF3<br> C-BC          | 0.1 <br>  0.1           | · · ·       |
| I-N <br> <br>     | 1                 | <br> <br> 611492 <br>   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | 1                 | TN                 |              | i<br>  c<br>    | S<br>        | с            | [G7405<br>]<br>] | C-BH<br>  C-DT          | 1. 1<br>1 1<br>1 1      |             |
| I-N1              | 1                 | 2496641                 | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 5                 |                    | [            | i<br>I C        | S            | С            |                  | <br> 3-WF3<br> <br>     | 0.1 <br>                |             |
| 1<br>E-N <br>     | R-XCES<br>        | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 5<br>  1          | I FT<br>I CY       | іс<br>І      | 1<br>1 C        |              | C            | <br>             | C-DT                    | 0.1[<br>                |             |
| 1-N[              | ) PLANTU          |                         | REMOVE/REPLACE LANDSCAPING  | i 1               | FT                 |              |                 | s            | C            |                  |                         | [ 0.1]                  | · .         |
| i-ni              |                   | 1                       | CONCRETE 2 SAW CUT AND BREAK MECH   | i 1               |                    | i c          |                 |              | -            | •                | (SR3AS                  | i i                     |             |
| I-N               | CF-H12            | i 1                     | FINISH CONCRETE SURFACE MAN 12 IN   | i 1               |                    | 1 C          | Î.              | <br>[ 5      | C            | 1                | :<br> SR3CS             | i i                     |             |
| I-N <br>          | l                 | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 10<br>  8<br>  1  | FT<br>  EA<br>  TN | i c<br> <br> | 1<br>1 C<br>1 C | S<br> <br>   | ic<br>I<br>I | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4 | 0.4!<br>  0.4!<br>  0.8 |             |
| I-N <br>[         | REM-3 '           | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 10<br>I 3       | CY                 | ) C          | i<br>i c        | 1            | i c          | [                | <br>  C <b>-</b> DT<br> | 0.9                     |             |
| I-NI              | SLR-18<br>        | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | i 30              | CY                 | C<br>        | [<br>[ C        | ( S          | C<br>        | G7409            |                         | i 0.1 <br>              |             |
| 1<br>I-N <br>     | i1EB3SL           | 249664                  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 10<br>  10<br>  1 | FT<br>  FT<br>  CY | C<br> <br>   | 1<br>1 C<br>1 C | j S          | C<br> <br>   | 3376.1<br>       | 3-WF3                   | 0.1                     |             |
| I-N               |                   |                         | TC-LANE CLOSURE URBAN STREET  | j 1               |                    | ן<br>1<br>1  | i               |              | I C          | 1                |                         | 1 1.0                   |             |
| I-N               | <br> LN/S/S       | I                       | LANE CLOSURE URBAN ST (STREET REPAIR)   | i 1               |                    | i c          | i –             | s            | •            | •                |                         |                         |             |
| I-N]              | CC-2CT            | i i                     | CONCRETE 2 SAW CUT AND BREAK MECH   | i 10              | FT                 | ic           | i –             | i s          | ¢            | <br>             |                         | 0.4                     | <u> </u>    |
| 1<br>1-N          | l<br> CF-H18      | 1 1                     | FINISH CONCRETE SURFACE MAN 18 IN   | 10                | ,<br>FT            | c            |                 | S            | ιc           | i<br>I           | SR3CS                   |                         |             |

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CONSTRUCTION NOTES

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| DJECT: 25        |                  | JOB:01              | REV:0 TYPE: UD   |                  | BLK 7G2 -T | &C JOB           | 1                       |          |        |          | 5        |                  |                                  |                     | R: 2960700  |
|------------------|------------------|---------------------|--|------------------|------------|------------------|-------------------------|----------|--------|----------|----------|------------------|----------------------------------|---------------------|-------------|
| SIGN: 01         |                  |                     | ) BLK 7G2 T&C JOB 1                                      |                  | STATUS:    | ACT              |                         |          |        |          |          |                  |                                  |                     |             |
| CATION: 3        | 30 SHEI          | ET: 01 :            | DISTRICT: CM DESI  | GNED BY: GEORGE  | BONNER     |                  |                         |          |        |          | PHO      | VE: 999-99       | 99 I                             | OCATIO              | N 330 OF 58 |
| RK <br>'-C MU ID | AU ID            |                     | DESCRIPTION/   | CONSTRUCTION NOT | ES         | RQD              | UM                      | RSPI     | RSP    | TRT      | TRT      | STANDARD<br>PAGE | TYPE                             | HOURS               |             |
| L-N              | [3'HD-A          | 1                   | HAND DIG TRENCH 3  |                  |            | 1 25             | FT                      | CI       | i      | SĮ       | с        | G7453            | 3-WF3                            | 9.5                 |             |
|                  | <br> BKF-3'<br>] | i i<br>I I          | BACKFILL TRENCH 3  | Foot deep        |            | 25               | IFT <br>                | c  <br>  | I      | SI       | С        | 1                | 3-WF3 <br> C-BC                  | 0.4 <br>0.4         |             |
| I-N <br> <br>    | SHD-12<br>       |                     | SHADE TRENCH WITH<br>SAND, FILL RECY                     |                  |            | 25<br>  2        | TN                      | с і<br>І |        | S        |          | G7405            | <br> 3-WF3 <br> C-BH  <br> C-DT  | 0.1 <br>0.1 <br>0.1 |             |
| I-N              | 1DB3-S<br>       | 249664              | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN                     |                  |            | 25<br>  25       | FTI                     | C I      | C      | S        |          | 3373.1           | <br> 3-WF3 <br>                  | 0.41<br>I           |             |
| ⊑−N <br>         |                  | <br> X30007[        | EXCESS TRENCH SPOI<br>DUMPING FEE                        | L (12 IN DEEP)   |            | ! 25<br>  3      | <br> FT]<br> CY]<br>    | CI       | c      | S        | c        | <br>             | IC-DT  <br>I                     | 0.6                 |             |
| I-N              | CC-2CT           |                     | CONCRETE 2 SAW CUT                                       | AND BREAK MECH   | ł          | 25               | FT                      | CI       |        | 5        |          | i                | SR3AS                            | 1.01                |             |
| [<br>I-N]        | I<br>CF-H12      | i i                 | FINISH CONCRETE SU                                       | RFACE MAN 12 1   | IN         | i 25             |                         | C I      | İ      | si       | i c      | 1                | SR3CS                            | 0.1                 |             |
| i–n <br> <br>    | 1                | <br> X20201         | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI | STEEL PLATE      | 5          | 10<br>  8<br>  1 | FT  <br>  EA  <br>  TN  | i        | c<br>c | S        | i<br>I   | G7453<br>        | <br> C-BC  <br> C-BH  <br> 3SWF4 | 0.4 <br>0.4 <br>0.8 |             |
| I-N              | REM-3'           | X30007              | TRENCH SPOIL 3 FT<br>DUMPING FEE                         | DEPTH            |            | i 10<br>I 3      | CY                      | C  <br>I |        | -        | C<br>    | l<br>I           | IC-DT                            | 0.9                 |             |
| I-N <br>         | SLR-18<br>       | [656400]            | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                   |                  |            | 30<br>  2        | I CY I                  | C  <br>  |        | S        |          | G7409<br>        | <br> 3-wf3 <br>                  | 0.1                 |             |
| I-N <br> <br>    | 1EB3SL<br> <br>  | [249664 <br>[656400 | 1-3 IN EB CONDUIT<br>CONDUIT DB 3 IN<br>SLURRY MIX, 1 SA | 20 FT LENGTH     |            | i 10<br>i 10     | <br> FT <br> FT <br> CY | C I      | c<br>c | S        | i c<br>I | 3376.1<br> <br>  | [3-WF3]                          | 0.1                 |             |
| [-N <br> <br>    | 1-3SLB<br> <br>  | 1322048 <br>1656400 | 1-3 IN DB 90 D 36<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA | 3 IN 90 D 36 IN  |            | i 1              | EA <br> EA <br> CY      | l        | с<br>С | [        | I<br>I   | 3373.2<br>       | <br> 3-WF3 <br> <br>             | i                   |             |
| I-N              | LN-S/U           |                     |  | BAN STREET       |            | •                | EA                      | c        |        | I S      | i C      |                  | TC3                              |                     |             |
| r-ni             | <br> LN/S/S      | i                   | LANE CLOSURE URBAN                                       | ST (STREET REPA  | AIR)       | 1 1              | EA                      | C        |        | s        |          | 1                | ]<br>]TC4                        | 1.0                 |             |
| E-N              | <br> CC-2CT      | i i                 | CONCRETE 2 SAW CUT                                       | AND BREAK MECH   | H          | • • •            |                         | С        |        | ]<br>] S |          | I                | <br> SR3AS                       | 0.4                 |             |
| <br>[-N          | <br> CF-H18      |                     | FINISH CONCRETE SU                                       | RFACE MAN 18 ]   | IN         | •                |                         | ן<br>כ ו |        | ] S      | [<br>[ C | ,                | <br>  SR3CS                      |                     |             |

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## CONSTRUCTION NOTES

| ROJECT:        | 253568 JOB:       | 01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOB            | 1                       |      |              |            | 5    | STATUS: AC      | T WOR                        | RK ORDE             | R: 2960700   |
|----------------|-------------------|--|---------------------|-------------------------|------|--------------|------------|------|-----------------|------------------------------|---------------------|--------------|
| ESIGN: (       | 01 NAME: RO       |  | s: ACT              |                         |      |              |            |      |                 |                              |                     |              |
|                |                   | 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                         |      |              |            | PHON | NE: 999-99      | 99 1                         | LOCATIC             | N 331 OF 587 |
|                | 1                 | CK#  DESCRIPTION/CONSTRUCTION NOTES  | LOTY                | 11 1                    | MPKI | MAT  <br>RSP | TIM<br>TRT | ACC  | STANDARD        | CREW<br> TYPE                | EST  <br> HOURS     |              |
| I-N            | 3'HD-A            | HAND DIG TRENCH 3 FT DEEP AVE  | [ 25                | FT                      | CI   | L 1          | S          | CI   | G7453           | 3-WF3                        | 9.5                 |              |
| I–N [<br>      | 1 l               | <br>  BACKFILL TRENCH 3 FOOT DEEP<br>  |                     | FT                      | CI   | I I          | S          |      | ĺ               | 3-WF3<br> C-BC               | 0.41                |              |
| I-NI<br>I<br>I | 611               | I SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>492: SAND, FILL RECYCLED MATLS PREFFERED                             | 1 25<br>1 2         | FT                      | СI   | I I          | S          |      | G7405<br>]<br>] | <br> 3-WF3<br> C-BH<br> C-DT | 0.1 <br>0.1 <br>0.1 |              |
| I-N            |                   | <br>  1-3 IN DE CONDUIT SEC<br>664  CONDUIT DE 3 IN 20 FT LENGTH   | 25                  | FT                      |      | i c i        | S          |      | 3373.1<br>      | <br> 3-WF3<br>               | i 0.41              |              |
| 1-N            | R-XCES            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>007  DUMPING FEE   | 25                  | ]<br> FT <br> CY]       | CI   |              | s          | с    | <br>            | <br> C <b>-</b> DT<br>       | 0.6                 |              |
| I-N            | PLANTU            | REMOVE/REPLACE LANDSCAPING   | 1                   | FT                      | С    |              | s          | с    | İ               | 3-WF3                        | 0.1                 | w            |
| I-N            |                   | CONCRETE 2 SAW CUT AND BREAK MECH  |                     | FT                      |      | 1 1          | 5          | с    | İ               | SR3AS                        | i i                 |              |
| I-N            |                   | FINISH CONCRETE SURFACE MAN 12 IN  | 1                   | [  <br> FT              |      |              | -          |      | I               | <br> SR3CS<br>               |                     |              |
| I-N <br>[      | 1 X20             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>201 TRAFFIC BEARING STEEL PLATE<br>215 ASPHALT, COLD MIX                    | 5<br>  4<br>  1     | EA <br>  TN             |      |              | S          | C    | G7453<br> <br>  | C-BC<br>  C-BH               | 0.21                |              |
| I-N            | REM-3' <br>  [X30 | [ TRENCH SPOIL 3 FT DEPTH<br>007  DUMPING FEE  | i 5<br>1 2          | ]  <br> FT <br> CY <br> |      |              |            |      | t<br>t          | <br> C-DT<br> <br>           | 0.4                 |              |
| I-N <br>       | 656               | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>400  SLURRY MIX, 1 SACK SAND  | i 15                | FT <br>  CY             | С    |              | s          |      | IG7409          | <br> 3-WF3<br>               | 1 I                 |              |
| I-N <br> <br>  | 1249              | 1-3 IN EB CONDUIT SLURRY ENCASED<br>664  CONDUIT DB 3 IN 20 FT LENGTH<br>400  SLURRY MIX, 1 SACK SAND            | 1 48<br>1 48<br>1 1 | FT<br>FT<br>CY          |      |              |            |      | 1               | 3-WF3<br> <br>               | i i                 |              |
| I-N1           | 322               | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>0481 BEND CONDUIT DE 3 IN 90 D 36 IN R<br>4001 SLURRY MIX, 1 SACK SAND |                     | EA <br> EA <br> CY      |      |              | S          | I    | 3373.2<br> <br> |                              | i i                 |              |
| I-N            | LN-S/U            | TC-LANE CLOSURE URBAN STREET   | 1                   | <br> EA <br>            | С    |              |            |      | İ               | 1<br>1 TC 3                  |                     |              |
| I-N            |                   | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                   | [  <br>]EA [            | С    |              |            |      | İ               | <br> TC4<br>                 | 1.0                 |              |
| I-N            | CC-2CT            | CONCRETE 2 SAW CUT AND BREAK MECH  | i 5                 | <br> FT                 | С    |              | s          | C    | İ               | SR3AS                        | 0.2                 |              |
| <br> I-N       | <br> CF-H18       | <br>  FINISH CONCRETE SURFACE MAN 18 IN  |                     |                         |      | 1<br>        |            |      | l               | <br> SR3CS                   |                     |              |

| P001EM2-I<br>9/05/17 1 |              |       |     |      |            |             | ND ELECTRIC<br>W COPY - DETA | AIL             | PAGE NO 369         |
|------------------------|--------------|-------|-----|------|------------|-------------|------------------------------|-----------------|---------------------|
|                        | B JOB:01     |       |     |      |            |             | G2 -T&C JOB                  |                 | WORK ORDER: 2960700 |
|                        | NAME: ROLAND |       |     |      |            |             | TUS: ACT                     |                 |                     |
|                        | SHEET: 02    |       | CM  | DESI | GNED BY: G | EORGE BONNE | R                            |                 | LOCATION 331 OF 587 |
| WORX FA                | DESC         | EXIST | TAG |      |            |             |                              | CONSTRUCTION    |                     |
|                        |              |       |     |      |            |             | SEE SHT 4                    |                 |                     |
|                        | <br>         |       |     | i    |            |             |                              |                 |                     |
|                        | <br>         |       | •   |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
| <u></u>                |              | ····  |     |      |            |             |                              |                 | <br>                |
|                        | <br>         |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 | <br>                |
|                        | <br>         |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 | <br>                |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             |                              |                 | <br>                |
|                        | <br>         |       |     |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             | <u> </u>                     |                 |                     |
|                        |              |       |     |      |            |             |                              | • • • • • • • • | <br>                |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             |                              |                 | <br><u>_</u>        |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        | <br>         |       |     |      |            |             |                              |                 | <br>                |
|                        |              |       |     |      |            |             |                              |                 |                     |
|                        |              |       |     |      |            |             |                              |                 |                     |

| ROJECT: 2         | 53568             | JOB:01                  | REV:0 TYPE: UD  | SAN DIEGO GAS A<br>DPSS - DESIGN REVIE<br>NAME: ROLANDO BLK 7 | G2 -T&C JOE  | 3 1                        |              |                |              | <u>8</u>     | STATUS: AC       | T WO                    | RK ORDE                 | R: 2960700 |
|-------------------|-------------------|-------------------------|---|---|--------------|----------------------------|--------------|----------------|--------------|--------------|------------------|-------------------------|-------------------------|------------|
| STGN: 01          | NAME              | ROLAND                  | O BLK 7G2 T&C JOB 1   |   | TUS: ACT     |                            |              |                |              |              |                  |                         |                         |            |
|                   |                   |                         |   | GNED BY: GEORGE BONNE   |              |                            |              |                |              | PHOI         | NE: 999-99       | 99 1                    | LOCATIO                 | N 332 OF 5 |
| TRKI<br>T-CIMU II | I I ID            | <br> STOCK#             | DESCRIPTION/C   | CONSTRUCTION NOTES  | QTY<br>  RQD | I<br>∣UM                   | WRK<br> RSP  | MAT<br>RSP     | TIM <br> TRT | ACC<br>TRT   | STANDARD<br>PAGE | CREW<br> TYPE           | EST  <br> HOURS         |            |
| (-N               | !3'HD <b>-</b> A  |                         | HAND DIG TRENCH 3   | FT DEEP AVE   | 30           | )]FT                       | [ C          |                | S            | С            | G7453            | 3-WF3                   | 11.3                    |            |
| [-N]              | <br>  BKF-3 '<br> | i i                     | BACKFILL TRENCH 3 I   | FOOT DEEP   | 1 30         | )   FT<br>                 | I C          | l<br>l         | S  <br>      | С            | 1                | 3-WF3<br> C-BC          | 0.5 <br>  0.5           |            |
| <br>[-N <br>1     |                   | 611492 <br>             | SAND, FILL RECYC  | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED                  |              |                            | ic           | l<br>c         |              | С            | G7405<br>        | C-BH                    | 0.1 <br>  0.1 <br>  0.1 |            |
| <br> -N <br>      | 1                 | <br> 249664             |   | SEC<br>20 FT LENGTH   | [ 30         | FT                         | 1            | <br>  c        | \$           | C I          | 3373.1<br>       | 3-₩F3                   | 1 1                     |            |
| [-N <br>[         | R-XCES            | X30007                  | EXCESS TRENCH SPOID<br>DUMPING FEE                            | L (12 IN DEEP)  | 1 30         |                            | i c          | 1              | S  <br>      | С            | E                | C-DT                    | 0.8                     |            |
| [-N]              | icc-2ct           |                         |   | AND BREAK MECH  |              |                            | i c          |                | i s i        |              | 1                |                         | 1.2                     |            |
| <br>I-N           |                   | I I                     |   | RFACE MAN 12 IN   | j 30         | FT                         | l C          | i              |              | i C          | 1                | SR3CS                   | 0.1                     |            |
| 1<br>1<br>1<br>1  | 1                 | <br> X20201 <br> 114215 | MACH DIG TRENCH 3<br>TRAFFIC BEARING S<br>ASPHALT, COLD MIS   | STEEL PLATE   |              | 5   FT<br>1   EA<br>1   TN |              | <br>  C<br>  C | S            | i c          | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4 |                         |            |
| L-N               | REM-3 '           | X30007                  | TRENCH SPOIL 3 FT<br>DUMPING FEE                              | DEPTH   |              | 5 FT<br>2 CY               | i c          | i –            | i i          | i c<br>I     | l                |                         | 0.4                     |            |
| t-N <br>[         | SLR-18            | 656400                  | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SAG                       | IN WIDE X 12 IN DEEP<br>CK SAND                               |              | 5   FT                     | i c          | i<br>l c       | \$           | i c<br>I     | (G7409<br>       | 3-WF3<br> <br>          | 1 1                     |            |
| I-NI<br> <br>     | 1EB3SL<br> <br>   | 249664 <br> 656400      | 1-3 IN EB CONDUIT :<br>CONDUIT DB 3 IN :<br>SLURRY MIX, 1 SAG | 20 FT LENGTH  | 1 25         | 5   FT<br>5   FT<br>L   CY | i c<br>I     | l c            | S  <br> <br> | C<br>        | 3376.1<br>1      |                         | 0.4                     |            |
| ן<br>1<br>1<br>1  | 1-3SLB<br> <br>   | 322048 <br> 656400      |   | IN R BEND SLURRY ENC<br>3 IN 90 D 36 IN R<br>CK SAND          |              | LIEA<br>LICY               | ic<br>1<br>1 | <br>  C<br>  C | S<br> <br>   | i c<br> <br> | 3373.2<br> <br>  |                         |                         |            |
| [ <b>-</b> N      |                   | i i                     | TC-LANE CLOSURE UR  | BAN STREET  | i :          | LEA                        |              | i –            |              | C ]          | l                | j TC3                   | į 1.0j                  |            |
| <br>[-N           | <br> LN/S/S       | i i                     | LANE CLOSURE URBAN  | ST (STREET REPAIR)  | 1 :          | 1 ] EA                     | l<br>  C     | i –            | S            | i c          | [                | TC4                     |                         |            |
| <br>[-N           | I<br>ICC-2CT      | 1                       | CONCRETE 2 SAW CUT  | AND BREAK MECH  | 1 1          | <br>5   FT                 | i c          | Ì              | S            | I C          | 1                |                         | 0.2                     |            |
| [<br>I-N]         | 1                 | 1 1                     |   | RFACE MAN 18 IN   |              |                            | 1            | L              | <br>  S      |              |                  | I<br>SR3CS              | 1 1                     |            |

WORK FAC FUNC CODE DESC

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EXIST TAG NEW TAG

## CONSTRUCTION NOTES

| DP001EM2-LC<br>09/05/17 13 |            |             |      |          |         |        |        |     | AND EL<br>LEW COP |        |       |      |      |     |                  |        |        |    | Ρ                | AGE NO | 371    |
|----------------------------|------------|-------------|------|----------|---------|--------|--------|-----|-------------------|--------|-------|------|------|-----|------------------|--------|--------|----|------------------|--------|--------|
| PROJECT: 25                | 3568       | JOB:01      |      | TYPE     |         | NAME : |        |     |                   | €C JOB | l     |      |      |     |                  |        |        |    | RK ORDE          |        | 0700   |
| DESIGN: 01                 | NAME       | : ROLANI    |      | 52 T&C J | JOB 1   |        |        | S   | TATUS:            | ACT    |       |      |      |     |                  |        |        |    |                  |        |        |
| LOCATION: 3                |            | ET: 01      |      |          |         | NED BY | : GEOR |     | VER               |        |       |      |      |     |                  |        |        |    | LOCATIO          |        | OF 587 |
|                            | <br> AU ID | <br> stock# | [    | DESCRIP  | PTION/C |        |        |     |                   |        |       |      | MATI | TIM | ACC              | STANDA | RD  CB | EW | EST  <br>  HOURS |        |        |
|                            | i          | i           |      | SIGN UN  | NITS FO | R THIS | LOCAT  | ION |                   | <br>   | [<br> |      | 1    |     | ,,<br>  [<br>  [ |        |        |    | ] [              |        |        |
| WORK FAC<br>FUNC CODE      |            | 2           | ĒXIS | ST TAG   | NEW     | TAG    |        |     |                   |        |       | ONST | RUCT | ION | NOTE             | s      |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     | SEE               | SHT 5  |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    | _                |        |        |
| ;                          |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |
|                            |            |             |      |          |         |        |        |     |                   |        |       |      |      |     |                  |        |        |    |                  |        |        |

Block 7G2 UUP Attachment E – Technical Specifications

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|                  |                    |  |                         |                               |                         |                              |                                       | REVIEW C   |                   |                    |                   |     |     |                    |        |                |                 |              |
|------------------|--------------------|--|-------------------------|-------------------------------|-------------------------|------------------------------|---------------------------------------|------------|-------------------|--------------------|-------------------|-----|-----|--------------------|--------|----------------|-----------------|--------------|
| OJECT: 25        | 3568 4             | JOB:01                                     | REV:0                   | TYPE:                         | UD<br>                  | NAME: 1                      | ROLANDO                               | BLK 7G2    | -T&C JOB          | 1                  |                   |     |     |                    |        | ACT WO         |                 | R: 2960700   |
|                  |                    |  | 0 BLK 7G2               |                               |                         |                              |                                       | STATUS     |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  | 34 SHE             |  | DISTRICT:               |                               |                         |                              | GEORGE                                | BONNER     |                   |                    |                   |     |     |                    |        |                |                 | N 334 OF 587 |
| RKI<br>'-CIMU ID | AU ID              | STOCK#                                     | D                       | ESCRIPT                       |                         |                              |                                       | TES        |                   | UM                 | RSP               | RSP | TRT | TRT                |        | TYPE           | HOURS           |              |
| 1                | 1EB3SL<br>         | <br> 249664 <br> 656400                    | 1-3 IN CONDU            | EB COND<br>IT DB 3            | UIT SI<br>IN 20         | LURRY E                      | NÇASED<br>NGTH                        |            | 24<br>  24<br>  1 | FT<br>  FT<br>  CY | 1 C  <br>1  <br>1 |     | S   | Ċ  <br>            | 3376.1 |                | 0.3 <br>        |              |
| :-N <br> <br>    | 1-3SLB<br> <br>    | 656400                                     | 1-3 IN<br>BEND<br>SLURR | DB 90 D<br>CONDUIT<br>Y MIX,  | 36 II<br>DB 3<br>1 SACI | N R BEN<br>IN 90 1<br>K SAND | D SLURR<br>D 36 IN                    | Y ENC<br>R | 1<br>  1<br>  1   | EA<br>EA<br>CY     | C  <br>     <br>  |     | 5   | C  <br>       <br> |        | 3-WF3<br> <br> | 0.1 <br>   <br> |              |
| -n:              | STUB/M<br>         | <br>   <br> 476302 <br> 476494 <br> 809200 | STUB MA<br>MARKE        | RKER FO<br>R CONDU<br>R, BALL | R UND                   | ERGROUN<br>JB RED<br>.M.S    | D CONDU                               | IT         |                   | EA<br>EA           | <br>  C<br> <br>  |     | s   |                    | 3377.1 | 3-wf3<br> <br> | E               |              |
| <br>[-N]         | I<br>I<br>I CON-SB | 009200 <br>                                | WIRE CONDUIT            | WORK                          | (STAN                   | DBY LIN                      | eman as                               | SIST)      |                   | 1<br>  HR          | i<br>i c          |     | S   |                    |        | i              | 1               |              |
|                  |                    |  |                         |                               |                         |                              |                                       | -          |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            | EE SHT 5          |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              | · · · · · · · · · · · · · · · · · · · |            |                   |                    |                   |     |     |                    |        |                |                 |              |
|                  |                    |  |                         |                               |                         |                              |                                       |            |                   |                    |                   |     |     |                    |        |                |                 |              |

| DP001EM2-LOCAL40-001         SAN DIEGO GAS AND E           09/05/17 11:36         DPSS - DESIGN REVIEW CO |   |
|---|---|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB 1 STATUS: ACT WORK ORDER: 2950700   |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS:  | ACT   |
| LOCATION: 335 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER   | PHONE: 999-9999 LOCATION 335 OF 587         |
| WRK       <br>[F-C[MU ID  AU ID  STOCK#  DESCRIPTION/CONSTRUCTION NOTES                                   | QTY    WRK MAT TIM ACC STANDARD  CREW   EST |
| I I I I I I I I I I I I I I I I I I I   |   |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG  | CONSTRUCTION NOTES                          |
| SE  | E SHT 5                                     |
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|                       | :36                  |                         |  |               | DPSS - DESIGN RE                                  |               |             |                    |       |        |         |     |                  |                  |                  |            |
|-----------------------|----------------------|-------------------------|--|---------------|---|---------------|-------------|--------------------|-------|--------|---------|-----|------------------|------------------|------------------|------------|
|                       |                      |                         | - <u>,</u> <b></b>                           |               | NAME: ROLANDO BL                                  |               |             | 1                  |       |        | ·       |     |                  |                  |                  | R: 2960700 |
| ESIGN: 01             |                      |                         | O BLK 7G2 T&C JC                             |               |   | STATUS: AC    |             |                    |       |        |         |     |                  |                  |                  | @====      |
| OCATION: 3            | 36 SHE               | ET: 01                  | DISTRICT: CM                                 | DESIG         | NED BY: GEORGE BO                                 | NNER          |             |                    |       |        |         |     | IE: 999-99       |                  |                  | N 336 OF 5 |
| WRK <br>F-C MU ID     | AU ID                | STOCK#1                 | DESCRIP                                      | CION/C        | ONSTRUCTION NOTES                                 | 1             | RQD         | UM I               | RSP   | RSP]   | TRT     | TRT | STANDARD<br>PAGE | TYPE             | HOURS            |            |
| 1-N <br>[             | 342 <b>1-</b> 1<br>  | <br> 514240             | PAD 3421 1-PHA<br>PAD 1-PHASE                | SE TR         | ANSFORMER<br>/ 3-PHASE F.C. 34                    | 21            | 1<br>1      | EA<br>EA           | CI    | c      | S (     | C I | 3421.1           | 3-AF4            | 0.4              |            |
| I-NI                  | <br> X-XF1P          |                         | PAD PREP 3421                                | PAD (         | 1-PHASE TRANSFORM                                 | ER)           | 1           | EA                 | C     |        | S       | c   |                  |                  |                  |            |
| I-N <br>              | TG-T-W<br>           | <br> 812816             | TRENCH GRD WIN<br>WIRE BARE CO               | RE W/O        | RODS (TRANS/CAP)<br>#2-7 STR SOFT DRA             |               | 1<br>8      | EA<br>  LB         |       | C      | S  <br> | С   | 4510.1           | 35WF3<br>        | 0.2[             |            |
| I                     | <br> 1-2SLB<br> <br> | 321812 <br> 656400      | 1-2 IN DB 90 1<br>BEND CONDUL<br>SLURRY MIX, | r db 2        | N R BEND SLURRY E<br>11 90 D 36 IN R<br>K SAND    | NC I          | 1<br>1<br>1 | EA<br>  EA<br>  CY | C     | c<br>α | S       | С   | 3373.2<br> <br>  | 3-WF3<br>        | 0.1)<br>1  <br>1 |            |
|                       | 1-3SLB               | 3220481                 | 1-3 IN DB 90 BEND CONDULY                    | r db 3        | N R BEND SLURRY E<br>1 IN 90 D 36 IN R<br>XK SAND | NC  <br> <br> | 5<br>5<br>1 | EA<br>EA<br>CY     | 1 C I | сc     | S       | С   | 3373.2<br> <br>  | 3-WF3<br> <br> - | 0.3 <br>         |            |
| I-N                   | ]1-4SLB<br> <br>     | <br> 322082 <br> 656400 | 1-4 IN DB 90 1                               | 90 D<br>1 SAC |   | 1             | 1<br>1      | EA<br> EA          | i C   | С      | S       | C   | 3373.2<br>1      | 3-WF3<br>        | 0.1              |            |
| WORK FAC<br>FUNC CODE |                      |                         | EXIST TAG                                    |               |   |               |             | I                  | CONSI | rruc'  | TION    | NOT | ES               |                  |                  |            |
| I PD                  | PAD                  |                         |  | D218          | 3295  | SEE           | SHT 5       |                    |       |        |         |     |                  |                  |                  |            |
|                       |                      |                         |  |               |   |               |             |                    |       |        |         |     |                  |                  |                  |            |
|                       |                      |                         |  |               |   |               |             |                    |       |        |         |     |                  |                  |                  |            |
|                       |                      |                         | <u>.</u>                                     |               |   | <u></u>       | <u></u> .   |                    |       |        |         |     |                  |                  |                  |            |
|                       |                      |                         |  |               |   |               |             |                    |       |        |         |     |                  |                  |                  | · .        |
| <u>, "</u>            |                      |                         |  |               |   |               | <u> </u>    |                    |       |        |         |     |                  |                  |                  |            |
| ·                     |                      | ·····                   |  |               |   |               |             |                    |       |        |         |     |                  |                  |                  |            |
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| SIGN: 01          |                       |                         | REV:0 TYPE: UD   |  |                    |               |                  |              |              |              |            |                  |                           |                         | R: 2960700  |
|-------------------|-----------------------|-------------------------|--|--|--------------------|---------------|------------------|--------------|--------------|--------------|------------|------------------|---------------------------|-------------------------|-------------|
|                   |                       |                         | O BLK 7G2 T&C JOB 1<br>DISTRICT: CM DESI                 | GNED BY: GEORGE BO                       |                    |               |                  |              |              |              |            |                  |                           |                         | N 337 OF 58 |
|                   |                       |                         |  | GNED BI: GEORGE BC                       |                    |               |                  |              |              |              |            |                  |                           |                         |             |
| NRK <br>F-C MÚ II |                       | STOCK#1                 | DESCRIPTION/   | CONSTRUCTION NOTES                       | IQI<br>5 (RÇ       | Y  <br>D  i   | ן אַט<br>ואַט    | WRK<br>RSP(  | MAT  <br>RSP | TIM <br>TRT  | ACC<br>TRT | STANDARD<br>PAGE | CREW                      | EST<br> HOURS           |             |
| Ĺ−N               | 3'HD-A                | ] [                     | HAND DIG TRENCH 3  | FT DEEP AVE                              | 1                  | 14            | FT               | CΙ           | 1            | S (          | С          | G7453            | 13-WF3                    | 5.5                     |             |
| IN                | BKF-3 '               |                         | BACKFILL TRENCH 3  | foot deep                                |                    | 14            | FT               | CI           | i            | SI           | С          |                  | 3-WF3                     | 0.2                     |             |
| [-N]              | 1                     | 1                       | SHADE TRENCH WITH<br>SAND, FILL RECY                     | SAND - 12 INCH WIE<br>CLED MATLS PREFFER | DTH  <br>RED  <br> | 14            | FT  <br>TN  <br> | с  <br> <br> | c  <br>      | S  <br> <br> | С          | G7405            | 3-WF3<br>  C-BH<br>  C-DT |                         |             |
| -N  <br>          |                       | 249664                  | 1-3 IN DE CONDUIT<br>CONDUIT DE 3 IN                     |  |                    | 141<br>141    | FT  <br>FT       | Í            | c i          | S 1<br>1     | _          | 3373.1           | <br> 3-WF3<br> <br>       | 0.2                     |             |
|                   | <br> 1DB3S8 <br> <br> | <br> 321878             | 1-3 IN DB 45 D 36<br>BEND CONDUIT DB                     | IN R BEND SEC<br>3 IN 45 D 36 IN R       |                    | 1)<br>1)      | EA  <br>EA       | CI           | c            | S  <br>      | С          | 3373.2           | 3-WF3                     | i i<br>1 i              |             |
| -N  <br>          | R-XCES                | <br> X30007             | EXCESS TRENCH SPOI<br>DUMPING FEE                        | L (12 IN DEEP)                           |                    | 14 <br>2]     | FT [<br>CY       | Сİ           | CΙ           | 5            | С          |                  | C-DT                      | 0.4                     |             |
|                   |                       | ]                       | REMOVE/REPLACE LAN                                       | DSCAPING                                 | 1                  | 241           | FΤ               | ci           |              | S            | С          |                  |                           | 1.4                     |             |
| I-N               | BH03XH                | <br> X20201 <br> 114215 | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI | STEEL PLATE                              | 1                  | 3 <br>3 <br>1 | FT]<br>EA]<br>TN | C [<br>]     | с 1<br>с 1   | s  <br>      | С          | G7453            | C-BC<br> C-BH<br> 3SWF4   | 0.1]<br>  0.1 <br>  0.2 |             |
| I-N [             | <br>  REM-3 '<br>     | 1<br>  X30007           | TRENCH SPOIL 3 FI<br>DUMPING FEE                         | DEPTH                                    |                    | 3 <br>1 -     | FT  <br>CY       | c i          | СÌ           | s i<br>I     | ¢          |                  | <br> CDT<br> <br>         | i 0.3                   |             |
| <br> -N <br>      | SLR-18                | <br> 656400             | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                   |  |                    | 9<br>1        | FT  <br>CY       | C 1          |              | SI           | С          | G7409            |                           |                         |             |
|                   | 1EB3SL                | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT<br>CONDUIT DB 3 IN                     | 20 FT LENGTH                             | 1                  | 3 <br>3 <br>1 | FT <br>FT <br>CY | с і<br>і     | 0 1<br>0 1   | S [<br> <br> | С          | 3376.1           | 3-WF3<br> <br>            | ] <br>  ]<br>  ]        |             |
| -N [              | LN-S/U                | 0004001                 | TC-LANE CLOSURE UB                                       | BAN STREET                               | 1                  | 1             | EA               | C            | <br>         | s I          | с          |                  | TC3                       | 1.0                     |             |
| -n [              | <br>[LN/S/S           |                         | LANE CLOSURE URBAN                                       | ST (STREET REPAIR                        | R)                 | 1             | <br>EA           | C 1          |              | s i          | с          | 1                | TC4                       | 1.0                     | ·           |
| ORK FI            |                       |                         | EXIST TAG NEW  | TAG                                      |                    |               | с                | ONSI         | RUCI         | ION          | NOTI       | es               |                           |                         |             |

| DP001EM2-LC<br>09/05/17 11 | CAL40-00        | 01                      | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP   | ECTRIC<br>Y - DE'  | TAI                | L            |                |         |          |                    |                           | Pi                      | AGE NO 376              |
|----------------------------|-----------------|-------------------------|--|--------------------|--------------------|--------------|----------------|---------|----------|--------------------|---------------------------|-------------------------|-------------------------|
| PROTECT 25                 | 3568            | TOB - 01                | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T  | &C JOB             | 1                  |              |                |         |          |                    |                           |                         | R: 2960700              |
| DESIGN: 01                 | NAME            | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                |                    |              |                |         |          |                    |                           | ·                       |                         |
|                            |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                    |                    |              |                |         |          | NE: 999-99         |                           |                         | N 338 OF 587            |
| F-CIMT TD                  | <br> AU ID      | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | RQD                | UM                 | RSP          | RSP            | TRT     | TRT      | STANDARD<br>  PAGE | TYPE                      | HOURS                   | <b></b>                 |
| I-N[                       | 13'HD-A         | <br>I I                 | HAND DIG TRENCH 3 FT DEEP AVE  | 23                 | I FT               | ιс           |                | S [     | С        | G7453<br>          | 3-WF3                     | [ 8.8]                  |                         |
| II-NI                      |                 | i i                     | BACKFILL TRENCH 3 FOOT DEEP  | i 23               | ;<br>] FT<br>]     | , C          |                | S I     | С        | [                  | 3-WF3<br> C-BC            | ( 0.3)<br>  0.3)<br>  1 |                         |
| I-N                        | SHD-12<br> <br> | 6114921                 |  | 23<br>  2          | FT<br>  TN<br>     | C<br> <br>   |                | S       | С        | 1G7405<br>1<br>1   | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>  0.1 <br>  0.1 |                         |
| I-N <br>                   | 1               | 1                       | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 23<br>  23         | FT<br>  FT         | C<br>        | 1              | 5       | С        | 3373.1<br>         | 3-WF3                     | 1 1                     |                         |
|                            | R-XCES          | 1 1                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 23<br>i 3        | I FT<br>I CY       | i c<br>I     |                | S  <br> | С        | <br>               | C-DT                      | 0.61                    |                         |
| I-N                        |                 | E I                     | CONCRETE 2 SAW CUT AND BREAK MECH  | i 23               | FT                 | C            |                | S       | С        | 1                  |                           | i 0.9j                  |                         |
| I-N!                       | CF-H12          | i 1                     | FINISH CONCRETE SURFACE MAN 12 IN  | 1 23               | FT                 | i C          |                | S       | С        | 1                  | I SR3CS                   | 1 0.1                   |                         |
| I-N]<br>  I-N]<br>         |                 | <br> x20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | i 10<br>  8<br>  1 | FT<br>  EA<br>  TN | C<br> <br>   | <br>  C<br>  C | S       | С        | 1G7453<br>1<br>1   | IC-BC<br>IC-BH<br>I3SWF4  | 0.4 <br>  0.4 <br>  0.8 |                         |
| I-N <br>                   | REM-3 '<br>     | <br>   <br> x30007      | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   |                    | IFT<br>ICY         |              | <br> <br>  C   |         |          | i<br>I             |                           | 0.9 <br>                |                         |
|                            | ISLR-18         | i i                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 30<br>  2          | i FT               | C<br>        |                | 5       | С        | G7409<br>          | 3-WF3                     | 0.10                    |                         |
| I-N <br>                   | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 10<br>  10<br>  1  | FT<br> FT          | ic<br>I<br>I | Ì              | S       | С        | 3376.1<br> <br>    |                           | [ 0.1]<br>  ]<br>       |                         |
| I-N]<br>  I-N]<br>         | 1-3SLB<br> <br> | 322048 <br> 656400      | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1<br>  1<br>  1    | EA<br> EA<br> CY   | C<br> <br>   | i              | I S     | i C<br>I | 3373.2<br> <br>    |                           |                         | · · · _ · _ · _ · _ · _ |
| [I-N]                      | LN-S/U          | 1 1<br>1 I              | TC-LANE CLOSURE URBAN STREET   | j I                | EA                 | C            | 1              | s       | C        | İ                  | TC3                       | i 1.0i                  |                         |
| <br> I-N                   |                 |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                    | I EA               | 1 C          | 1<br>1         | I S     | c        | <br> <br>          | TC4                       | 1.0                     |                         |
| WORK FAC<br>FUNC CODI      |                 |                         | EXIST TAG NEW TAG  | SHT 5              |                    | CONS         | TRUC'          | fion    | NOT      | ES                 |                           |                         |                         |

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|           |                        |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  |                                   |                  |                |            |               | STATUS: AC      |                           |                      | R: 2960700  |
|-----------|------------------------|-------------------------|---|-----------------------------------|------------------|----------------|------------|---------------|-----------------|---------------------------|----------------------|-------------|
| SIGN: 01  | NAME                   | : ROLAND                | D BLK 7G2 T&C JOB 1 STATUS:   |                                   |                  |                |            |               |                 |                           |                      |             |
|           |                        |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   | <u>.</u>                          |                  |                |            | PHO           | NE: 999-99      | 99 1                      | LOCATIO              | N 339 OF 58 |
| -CIMU ID  |                        | STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES  | RQD  UM                           | I RSP            | IRSP           | TRT        | TRT           |                 | TYPE                      | HOURS                |             |
| -N [      |                        | I I                     | HAND DIG TRENCH 3 FT DEEP AVE   | · ·                               | c c              | i              | I S        | i c           | IG7453          | 3-WF3                     | . 7.0                |             |
| -NI<br>I  |                        | i i<br>I i              | BACKFILL TRENCH 3 FOOT DEEP   | 18 FT<br>                         | ci c             | i –            | S          | i C           |                 | 3-WF3                     | 0.3                  |             |
|           | :<br>  SHD-12<br> <br> | <br> 611492 <br>        | SAND, FILL RECYCLED MATLS PREFFERED   | 18 FT<br>  18 FT<br>  1 TN<br>  [ | ic<br>I          | <br>  C<br>    | S<br> <br> | C<br> <br>    | G7405<br> <br>  | 3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1<br>0.1    |             |
| -Nİ       | 1DB3-S<br>             | <br> <br> 249664 <br>   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 18 FT<br>  18 FT<br>  18 FT       | c<br>S           | i<br>c         |            | 1 C           | 3373.1<br>      |                           | 0.3 <br>             |             |
| -N  <br>  | IR-XCES                | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 18 F1<br>  2 CY                   | ci c<br>I        | і<br>  с       | S<br>      | i c<br>       | <br>1           |                           | 0.5                  |             |
| -N:       | 1<br>1CC-2CT           | I I                     | CONCRETE 2 SAW CUT AND BREAK MECH   | 18 FT                             | c C              | i –            | S          | i c           | 1               | SR3AS                     | 0.7[                 |             |
| -Nİ       | СF-H12                 | i i                     | FINISH CONCRETE SURFACE MAN 12 IN   | <br>  18 FI                       | ci c             | i –            | <br>  S    | i c           | İ               | <br>  SR3CS               | 0.1                  |             |
| -N i      | 1                      | <br> X20201             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 5 FT<br>  4 EA<br>  1 TN          | 1<br>1           | <br>  C<br>  C |            | C<br> <br>    | G7453<br> <br>  | C-BH<br> 3SWF4            | 0.21<br>0.21<br>0.41 |             |
| -N ]<br>1 | ]REM-3'<br>]           | <br> X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 2101                              | ci c<br>I        | l<br>I C       | S<br>      | i c           | 1               | i                         | 0.4 <br>             |             |
| -N [      | SLR-18<br>             | <br> <br> 656400 <br>   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 15(FI<br>  1(CY                   | i -              | <br>  C        | S<br>      | i c<br>1      | G7409<br>       | <br> 3-WF3<br> <br>       |                      |             |
|           | i 1eb3sl<br>I          | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLUBRY MIX. 3 SACK SAND | 1 1 CY                            | ci c<br>li<br>li |                | S<br> <br> | i c<br>1<br>1 | 3376.1<br> <br> | 3-WF3<br> <br>            |                      |             |
| -N <br>   | <br> 1-35L8<br>        | <br> 321878             | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R                 | 1 EA<br>  1 EA<br>  1 CY          |                  | <br>  c<br>  c | <br> <br>] | C<br> <br>    | 3373.2<br>      |                           |                      |             |
| -N        | LN-s/u                 |                         | TC-LANE CLOSURE URBAN STREET  | 1<br>  1 EA                       | i c              |                |            |               | E<br>t<br>I     | ]<br>  TC3                |                      |             |
|           | <br>  LN/5/S           |                         | LANE CLOSURE URBAN ST (STREET REPAIR)   |                                   |                  | 1<br>          | <br>  S    | <br>  C       | <br>            | I<br>ITC4                 | <br>  1.0            |             |

| ROJECT:            | 253568          | JOB:01                  | SAN DIEGO GAS ANI<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 762                      |            | י בלר             | 1                  |               |                |                | \$   | STATUS: AC       | T WO                      | RK ORDE                 | R: 2960700 |
|--------------------|-----------------|-------------------------|--|------------|-------------------|--------------------|---------------|----------------|----------------|------|------------------|---------------------------|-------------------------|------------|
| ESIGN: 0           |                 |                         |  | JS: ACT    |                   |                    |               |                |                |      |                  |                           |                         |            |
| CATIÓN:            |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |            |                   |                    |               |                |                | PHOI | NE: 999-99       | 99 3                      | LOCATIO                 | N 340 OF 5 |
| C-CIMIL T          | ]<br>D  AU ID   |                         | DESCRIPTION/CONSTRUCTION NOTES   | I ROI      | 5 IT              | UM I I             | RSPI          | RSPI           | TRTI           | TRT  | STANDARD         | TYPE                      | HOURS                   |            |
| <b>I –N  </b>      | 3 ' HD-A        | 1 1                     | HAND DIG TRENCH 3 FT DEEP AVE  | 1 3        | 2211              | FT (               | C [           |                | S              | С    | G7453            | (3-WF3                    | 8.4                     |            |
| I-N                | BKF-3 '         | <br>                    | BACKFILL TRENCH 3 FOOT DEEP  | i :        | 22   1            | FT                 |               | 1              | SI             | С    | <br>             | 3-WF3<br>  C-BC           | 0.3 <br>  0.3           |            |
| r-n <br> <br>      | I               | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          |            | 21                | TN                 | Ì             | CI             | S  <br>        | С    | G7405<br> <br>   | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>  0.1 <br>  0.1 |            |
| <br>[-N]<br> <br>1 |                 | [<br> <br> 249664 <br>  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 1          | 22 1<br>22 1      | FT  <br>FT         | C I           | С              | S I            | С    | 3373.1<br>1      | <br> 3-WF3<br> <br>       | 0.3                     |            |
| [ <b>−</b> N  <br> | R-XCES          | 1<br>1x300071           | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  |            | 22 :<br>2 (       |                    | C I           |                | \$  <br>       | С    | l                | C-DT                      | 0.6                     |            |
| I-N                | icc-2ct         |                         | CONCRETE 2 SAW CUT AND BREAK MECH  |            |                   | FT                 | сi            |                |                | с    |                  | SR3AS                     |                         |            |
| [-N]               |                 | i i                     | FINISH CONCRETE SURFACE MAN 12 IN  | •          | 221               |                    | ¢             |                | S              | С    | 1                | SR3CS                     | 0.1                     |            |
| I-N <br> <br>      |                 | <br> x20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 1<br>]<br> | 6 :<br>5 :<br>1 ' | FT  <br>EA  <br>TN |               | c              | S  <br>        | С    | 1G7453<br>1<br>1 |                           | 0.2<br>0.2<br>0.2       |            |
| 1<br>I-N <br>      | REM-3 "<br>     | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   |            | 6 <br>2           | ÇYI                | CI            | C              | S  <br>        |      | i<br>I           | C-DT<br>                  | 0.5                     |            |
| I-N <br>           | SLR-18<br>      |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     |            | 18<br>21          | FT  <br>CY         | C             | i<br>i c       | ្រៃ            | с    | G7409<br>        |                           | [<br>[                  |            |
| I-N <br> <br>      | 1EB3SL<br> <br> | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 1          | 6 <br>6 <br>1 -   | FT  <br>FT  <br>CY | ן כ<br>ו<br>ו |                | S  <br>   <br> | C    | 3376.1<br> <br>  | [3-WF3                    | 1 0.1                   |            |
| I-N <br> <br>      | 1-35LB<br> <br> | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |            | 1 <br>1 <br>1     | EA <br>EA <br>CY   |               | <br>  C<br>  C | S  <br>   <br> | С    |                  |                           |                         |            |
| <br>I-N            | I<br>ILN-S/U    |                         | TC-LANE CLOSURE URBAN STREET   |            | 1]                | EA                 | Cİ            | i              |                | С    | i                | TC3                       | i 1.0                   | ·          |
| <br>I—N            | ]<br> LN/S/S    |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |            | 11                | EA                 | c             |                | s              | c    |                  | [TC4                      |                         |            |
|                    | FAC<br>DDE DESC |                         | EXIST TAG NEW TAG  |            |                   | с                  | ONST          | PRUC'          | TION           | NÖT  | ES               |                           |                         |            |

| OJECT: 25       | 3568             | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB          | 1              |            |                |            |              | STATUS: AC         | CT WOR         | RK ORDE            | R: 2960700  |
|-----------------|------------------|-------------------------|--|-------------------|----------------|------------|----------------|------------|--------------|--------------------|----------------|--------------------|-------------|
| SIGN: 01        | NAME             | : ROLAND                | O BLK 7G2 T&C JOB 1 STATUS   | : ACT             |                |            |                | <b></b>    |              |                    |                |                    |             |
|                 |                  |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                |            |                |            | PHO          | NE: 999-99         | 999 I          | LOCATIC            | N 341 OF 58 |
| RK <br>-C MU ID | <br> AU ID       | <br> STOCK#             | DESCRIPTION/CONSTRUCTION NOTES   | [QTY<br>[RQD      | UM             | WRK<br>RSP | MAT<br>RSP     | I TIM      | ACC<br>  TRT | STANDARD<br>  PAGE | CREW<br>  TYPE | EST  <br>  HOURS ( |             |
| N               | 3'HD-A           | 1 1                     | HAND DIG TRENCH 3 FT DEEP AVE  | ; 19              | FT             | C          | I              | S          | C            | G7453              | 13-WF3         | 7.3                |             |
| -N              | BKF-3 '          | 1                       | BACKFILL TRENCH 3 FOOT DEEP  |                   |                |            | 1              | j S        | [ C          | l<br> <br>         | 3-WF3<br> C-BC | 0.3 <br>0.3        |             |
| -N              |                  | <br> 611492 <br>        |  | <br>  19<br>  1   |                | 1          | 1<br>1 C       | 1 S        | C<br> <br>   | G7405              | C-BH           | 0.1                |             |
| -N [            | [1DB3-S<br>[     | <br> 249664             | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 19<br>  19        | FT             |            | i<br>I C       | S<br>      | C<br>        | 3373.1<br>         | 3-WF3          | 0.3 <br>           |             |
| -N              | R-XCES           | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 19<br>i 2       | FT<br>  CY     |            | i<br>I C       | i S        | <br>  C<br>  | ]                  |                |                    |             |
| -N ]            | PLANTU           |                         | REMOVE/REPLACE LANDSCAPING   | 19                | [FT            | c c        | Ì              | S          | I C          | 1                  | <br> 3-WF3     | 1.9                |             |
| -N 1            | 1                | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 10<br>  8<br>  1  | EA<br>TN       | i c<br>I   | <br>  C<br>  C | S<br> <br> | C<br> <br>   | G7453<br> <br>     | C-BH<br> 3SWF4 | 0.4                |             |
| -N              | REM-3'           | [X30007]                | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 10<br>  3         | FT<br>  CY     | 1          | i<br>I C       | S          | <br>  c<br>  | <br>               | <br>  C-DT<br> | 0.91               |             |
| -11             | SLR-18           | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 30<br>  2         | FT<br> CY      | ŀ          | l<br>I C       | 5          | C<br>        | G7409              | Î              | 0.1                |             |
| -N  <br>        | 1EB3SL<br> <br>1 | 249664                  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLUPPY MIX 1 SACK SAND             | 10<br>  10<br>  1 | FT<br>FT<br>CY | <br> <br>  | <br>  C<br>  C | S          | ic<br>I<br>I | 3376.1<br> <br>    |                | 0.1 <br>   <br>    |             |
| N [             | (1-3SLB          | <br> 3220481<br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | EA<br>EA       |            |                | S<br>      |              | 3373.2<br>1        | i              |                    |             |
| -N [            | LN-S/U           |                         | TC-LANE CLOSURE URBAN STREET   | 1                 | EA             | l c        | <br>           | S          | I C          | 1                  | TC3            | 1.0                |             |
|                 | <br> LN/S/S      |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                   | EA             | <br>  C    | 1<br>1         | <br>  S    | I<br>I C     | ]<br>]             | <br> TC4       | <br>  1.0          |             |

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| OJECT: 2       | 53568 JOB:01                | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB      | 1                   |      |              |               | 5          | STATUS: A       | CT WO                     | RK ORDER: 296070                      |
|----------------|-----------------------------|---|--------------|---------------------|------|--------------|---------------|------------|-----------------|---------------------------|---------------------------------------|
| SSIGN: 01      | NAME: ROLAN                 | DO BLK 7G2 T&C JOB 1 STATUS:  | ACT          |                     |      |              |               |            |                 |                           |                                       |
|                | 342 SHEET: 01               | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |              |                     |      |              |               |            |                 |                           | LOCATION 342 OF                       |
| F-CIMU II      | <br> AU ID [STOCK#          | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD | UM                  | RSP  | RSP          | TIM <br>  TRT | ACC        | STANDARD        | )   CREW<br>  TYPE        | EST                                   |
| I-N            | 3'HD-A                      | HAND DIG TRENCH 3 FT DEEP AVE   | j 19         | FT                  | С    | ſ            | S             | I C        | G7453           | 13-WF3                    | 7.3                                   |
| 1<br>I-N <br>  | BKF-3'I                     | BACKFILL TRENCH 3 FOOT DEEP   | i 19         | [FT]                | Ċ    | 1            | S             | C<br>      | <br>            | ]3-WF3                    | 0.3 <br>  0.3                         |
| I-N <br> <br>  | <br> SHD-12 <br>   611492   | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br> | 19<br>  1    | FT  <br>  TN  <br>] |      | c            |               | C<br> <br> | G7405<br> <br>[ | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>  0.1 <br>! 0.1               |
| I-N!           | 1DB3-S <br>  1249664<br>  1 | 1 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                   | i 19<br>i 19 | FT <br> FT          |      | [ .<br>[ C   | S<br>         | 1 C<br>    | 3373.1<br>      | 3-WF3                     | · · · · · · · · · · · · · · · · · · · |
| <br> <br> <br> | R-XCES                      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE   | i 19<br>I 2  | FT <br> CY          | С    | l<br>I C     | S             | I C        |                 |                           | 0.5                                   |
| I-N            |                             | REMOVE/REPLACE LANDSCAPING  | į 19         | FT                  | С    | 1            | S<br>         | i c        | ĺ               | 3-WF3                     | i 1.9[                                |
| I-N            | LN-S/U                      | TC-LANE CLOSURE URBAN STREET  | 1 1          | EA                  | С    | Ì.           | S             | I C        | I               | TC3                       | [ 1.0]                                |
| I-N            |                             | [ LANE CLOSURE URBAN ST (STREET REPAIR)   |              |                     |      |              | i s           |            |                 |                           | 1.01                                  |
| FUNC COI       | DE DESC                     | EXIST TAG NEW TAG   | CE SHT 5     |                     | CONS | TRUC         | TION          | NOT        | ES<br>          |                           | <b></b> _                             |
|                |                             |   |              |                     |      |              |               |            | <u></u>         |                           |                                       |
|                |                             |   |              |                     |      |              |               |            |                 |                           |                                       |
|                |                             |   |              |                     |      |              |               |            |                 |                           |                                       |
|                |                             |   | ·            |                     |      |              |               |            | ,               |                           |                                       |
|                | · · · ·                     |   |              | .,                  |      |              |               |            |                 |                           |                                       |
|                |                             |   |              |                     |      | <del>.</del> |               |            |                 |                           |                                       |
|                |                             |   |              |                     |      |              |               |            |                 | -                         |                                       |

|                     | 3568         |                        | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 - | -T&C JOB    | 1          |       |                     |      |       |                  |                |                         | R: 2960700   |
|---------------------|--------------|------------------------|---|-------------|------------|-------|---------------------|------|-------|------------------|----------------|-------------------------|--------------|
| SIGN: 01            |              | : ROLAND               | D BLK 7G2 T&C JOB 1 STATUS:   |             |            |       |                     |      |       |                  | •••            |                         |              |
| CATION: 3           | 43 SHE       | ET: 01                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |             |            |       |                     |      | PHO   | VE: 999-99       | 99             | LOCATIO                 | N 343 OF 587 |
| -C MU ID            | <br> AU ID   | STOCK#                 | DESCRIPTION/CONSTRUCTION NOTES  | 1 RQD       | UM         | RSP   | RSP                 | TRT  | TRT   | STANDARD<br>PAGE |                |                         |              |
| -N                  | 3'HD-À       | {                      | HAND DIG TRENCH 3 FT DEEP AVE   | 1 28        | FT         | с     | 1                   | s    | i C I | G7453            |                |                         |              |
| -N                  | 1            | 1                      | BACKFILL TRENCH 3 FOOT DEEP   | ] 28<br>]   | FT         | С     |                     | S    |       |                  | 13-WF3         | 0.4 <br>  0.4           |              |
| -N  <br>            | 1            |                        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED         | [ 28<br>[ 2 | FT<br>TN   | С     | [  <br>[ ]<br>[ ] ] | S    | C     | G7405            | 3-WF3<br> C-BH | 0.1 <br>  0.1 <br>  0.1 |              |
| -N                  | <br> 1DB3-S  |                        | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                 | <br>  28    | <br>  FT   | с     | <br>                | s    | c     | 3373.1           | 1              | 0.4                     |              |
| -N  <br> <br>       | R-XCES       | [  <br>[  <br>[X30007] | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | 28<br>  3   | I FT<br>CY | С     | <br>  c             | S    | ¢     |                  | İ              | 1 0.71<br>1             |              |
| -N                  | PLANTU       | l I                    | REMOVE/REPLACE LANDSCAPING  | 4           | FT         | С     |                     | s    | C     |                  |                | 0.4                     |              |
| -N ]                | 1<br>1CC-2CT | i i                    | CONCRETE 2 SAW CUT AND BREAK MECH   | 24          | FT         | С     |                     | S    | С     |                  |                | 1.0                     |              |
| -N]                 | )<br> CF-H12 | i i                    | FINISH CONCRETE SURFACE MAN 12 IN   | 24          | FT         | С     | <br>                | S    | ļÇ    |                  | SR3CS          | <br>  0.1               |              |
|                     | <br> LN-S/U  | i i                    | TC-LANE CLOSURE URBAN STREET  | i 1         | EA         |       | i i                 | Ş    |       |                  | TC3            | <br>  1.0               |              |
|                     | i<br>[ln/s/s |                        | LANE CLOSURE URBAN ST (STREET REPAIR)   | <br>  1     |            |       | <br>                |      |       |                  |                | <br>  1.01              |              |
| ORK FAC<br>UNC CODE |              |                        | EXIST TAG NEW TAG   | e sht 5     |            | CONST | IRUCI               | TION | NOTE  | 2S               |                |                         |              |
|                     | ······       |                        |   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   | ·           |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        | · · · · · · · · · · · · · · · · · · ·   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            | ·     |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            |       |                     |      |       |                  |                |                         |              |
|                     |              |                        |   |             |            |       |                     |      | -     |                  |                |                         |              |

| OJECT: 25       | 3568            | JOB:01           | REV:0                                 | TYPE:    | ŲD      | NAME: I | ROLANDO      | BLK 7G2 | -T&C JOB   |                                       |                                       |              |          | 5            |                  | T WOF           | K ORDE    | R: 2960700  |
|-----------------|-----------------|------------------|---------------------------------------|----------|---------|---------|--------------|---------|------------|---------------------------------------|---------------------------------------|--------------|----------|--------------|------------------|-----------------|-----------|-------------|
| SIGN: 01        | NAME            | ROLANI           | 0 BLK 7G                              | 2 T&C JO | в 1     |         |              | STATUS  | : ACT      | _                                     |                                       |              |          |              |                  |                 |           |             |
|                 |                 | ST: 01           | DISTRICT                              | : CM     | DESIGN  | ED BY:  | GEORGE       | BONNER  |            |                                       |                                       |              |          |              | Æ: 999-99        |                 |           | ON 344 OF 5 |
| RK <br>-C MU ID | IAU ID          | <br> STOCK#      | <br>I                                 | DESCRIPT | rion/co | NSTRUC' | TION NOT     | FES     | RQD        | UM [                                  | RSP                                   | MAT  <br>RSP | TIM      | ACC  <br>FRT | STANDARD<br>PAGE | CREW  <br> TYPE | EST       |             |
|                 | 330926<br>      |                  | HAND HO<br>QUAZ                       | OLE 3309 | ə.2 37" | x 26" 3 |              |         | 1 1<br>1 1 | EA <br> EA                            | C [                                   | c            | S  <br>  | CI           | 3309.2           |                 | 0.8       |             |
| -N <br>         | <br> x09H26<br> | <br> <br> 162690 | INSTAL<br>QUAZ                        | L EXCAVA | ATION/R | EMOVE   |              |         | 1          | EA<br>EA                              | Ċ 1                                   | c 1          | S  <br>[ | C            | 3309.2           | 3SWF3           | 0.8<br>I  |             |
| -N[<br>         | 1               | <br>  322048     | 1-3 IN<br>BEND                        | CONDUIT  | r DB 3  | IN 90 3 | D 36 IN      | R       | 3          | EA <br> EA                            | CI                                    | c            |          | CI           | 3373.2           | 3-WF3           | 0.2       |             |
| <br> <br> -N    | 1               | 1 1              | REMOVE                                |          | E LANDS | CAPING  |              |         | i          | i 1                                   | I F                                   | 1            | - I      |              |                  | i.              | <br>  0.1 | l           |
| ORK FA          |                 |                  | EXIS                                  |          |         |         |              |         |            | ¢                                     | CONST                                 | RUCI         | ION      | NOTI         | ES               |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         | SEE SHT 5  | ō                                     |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         | à <b>=</b> , |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         | ÷=•          |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          | <b></b> |         | ` <b>_</b> . |         |            |                                       |                                       |              |          |              |                  |                 |           | <b>_</b>    |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  | · · · · · · · · · · · · · · · · · · · |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            | · · · · · · · · · · · · · · · · · · · |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       | · · · · · · · · · · · · · · · · · · · |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
|                 |                 |                  |                                       |          |         |         |              |         |            |                                       |                                       |              |          |              |                  |                 |           |             |
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| DP001EM2-LO<br>09/05/17 11 | :36     |                        |            |        |                           |       | DP    |       |       |       | S AND<br>VIEW ( |       |       |        | L    |     |      |       |      |                  |      |    | Ρ.    | AGE NO  | 383   |
|----------------------------|---------|------------------------|------------|--------|---------------------------|-------|-------|-------|-------|-------|-----------------|-------|-------|--------|------|-----|------|-------|------|------------------|------|----|-------|---------|-------|
| PROJECT: 25                | 3568    | JOB:01                 | REV        | V:0    | TYPE                      | : UD  | NAi   | ME: R | OLANI | DO BL | K 7G2           | -T&0  | C JOE | 31     |      |     |      |       |      | TATUS: A         |      |    |       | R: 296  |       |
| DESIGN: 01                 |         |                        | DO BLE     | K 7G2  |                           | гов 1 |       |       |       |       | STATU           | S: AG | CT    |        |      |     |      |       |      |                  |      |    |       |         |       |
| LOCATION: 3                | 45 SHE  | ET: 01                 |            |        |                           |       |       |       |       | GE BO |                 |       |       |        |      |     |      | <br>I | PHON | E: 999-9         | 999  | LO | CATIO | N 345 ( | F 587 |
| [F-C MU ID                 | AU ID   |                        | [          | DI     | ESCRIF                    | TION/ | CON5  | TRUCT | ION   |       |                 | I     |       |        |      |     |      |       |      | STANDARD<br>PAGE | TYPE | H  | OURS  |         |       |
| 1                          | [1-3SLB | <br> 322048<br> 656400 | 1-3<br>  E | BEND ( | DB 90<br>CONDUI<br>Y MIX, | T DB  | 3 IN  | 90 D  |       |       |                 |       |       | 3   EA |      | i c | i.   | ł     | 1    |                  |      | 31 | 0.2   |         |       |
| WORK FAC<br>FUNC CODE      |         |                        | 1          | EXIST  | TAG                       | NEV   | V TAG |       |       |       |                 |       |       |        | CONS | TRU | CTIC | N N   | NOTE | :s               |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 | SEE : | SHT S | 5      |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         | -     |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        | ·    |     |      |       |      |                  |      |    |       |         |       |
| ·                          |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           | •     |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 | _     |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 | -     |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       | •       |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |
|                            |         |                        |            |        |                           |       |       |       |       |       |                 |       |       |        |      |     |      |       |      |                  |      |    |       |         |       |

| 9/05/17            |                 | <b></b>                 | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  |                     |                  |               |              |          |               |                  |                          |                         |             |
|--------------------|-----------------|-------------------------|--|---------------------|------------------|---------------|--------------|----------|---------------|------------------|--------------------------|-------------------------|-------------|
| ROJECT:            | 253568          | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB            | 1                |               |              |          |               | STATUS: AC       | T WOI                    | RK ORDE                 | R: 2960700  |
| ESIGN: (           | 1 NAME          | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS   | ACT                 |                  |               |              |          |               |                  |                          |                         | <b></b>     |
| OCATION:           | : 346 SHE       | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                  |               |              |          | PHOI          | VE: 999-99       | iga 1                    | LOCATIO                 | N 346 OF 58 |
| F-CIMU J           | I<br>ID IAU ID  | STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES   | I ROD               | UM               | RSP           | RSP          | TRT      | [ TRT         | STANDARD<br>PAGE | TYPE                     | HOURS                   |             |
| I-NI               | 3'HD-A          | <br>I I                 |  | 1 25                | 1 ETH            | C             | I            | I S I    | L C           | G7453            | 13-WE3                   | 9.51                    |             |
| 1                  | BKF-3'          |                         | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | 1 25                | 1<br>  FT<br>    | с             | <br> <br>    | S        | I C           |                  | <br> 3-WF3<br> C-BC      | 0.4                     |             |
| <br> -N <br> <br>  | 1               |                         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 25<br>  2           | TN               |               | i c<br>I     | [<br>[   | 1 C<br>1<br>1 | 1                | [3-₩F3<br>[C-BH<br>[C→DT | 0.1 <br>  0.1 <br>  0.1 |             |
| I-N                | 1DB3-S<br>      |                         | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 25<br>i 25        |                  | i C           | <br>  C      | I S      | i c           | 3373.1<br>       | ]<br>]3-WF3<br>]<br>]    | 0.4 <br>                |             |
| I-N <br>           | R-XCES          | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 25<br>  3           | FT<br>  CY       | i c           | 1<br>1 C     | 1 S<br>1 | C             | <br>             | <br>  Ċ-DT<br>           | 0.6                     |             |
| I-N                | PLANTU          |                         | REMOVE/REPLACE LANDSCAPING   | 25                  | FT               | i c           | i –          | ) S      | C             | I                |                          | 2.51                    |             |
| I-N                |                 | i i                     | ASPHALT 2 SAW CUT AND BREAK MECH   | i 25                |                  | Ċ             | Ì            | 1 S      | <br>  C       |                  | SR3AS                    | 0.7                     |             |
| I-N[               | 1               | <br> 114201             | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i 25<br>I 3         | FT<br>  TN       | <br>  C<br>   | <br> <br>  C | S<br>    |               |                  | C-BC<br> SR4AL           | [ 0.7]<br>[ 0.7]        |             |
| I-NI<br>I          | BHO3XH<br> <br> | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 35<br>  27<br>  1   | EA<br> TN        | <br>          |              |          | 1             |                  | C-BH<br> 35WF4           | 1.4                     |             |
| I-N <br>           | REM-3'          | X300071                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 35<br>1 9         | CY               | i c<br>I      | <br> <br>  C | S        |               | 1                | <br> C-DT<br> <br>       | 3.1 <br>                | fr          |
| I-N <br>           | SLR-18          | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 6                   | FT<br> CY        | C<br>         | C            | l        |               | G7409<br>        | 3-WF3                    | 0.2                     |             |
| 1<br>I-N <br> <br> | 1EB3SL<br> <br> | <br> 2496641<br> 656400 | SLURBY MIX. 1 SACK SAND  | 112<br>  112<br>  3 | FT<br> FT<br> CY | 1 C<br>1<br>1 |              | S<br>    | C<br> <br>    | 3376.1<br>       | 3-WF3<br> <br>           | 1.6 <br>  [             | <b>1</b>    |
| <br> <br> <br>     | <br> 1-3SLB<br> | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2<br>  2<br>  1     | EA<br>EA<br>CY   | C<br> <br>    |              | 1 S<br>1 | C<br> <br>    | 3373.2<br> <br>  | <br> 3-WF3<br> <br>      |                         |             |
| I-N                | LN-S/U          | 1 1                     | TC-LANE CLOSURE URBAN STREET   | 1                   | EA               | l<br>C        | 1            | S        | Ç             | I                | TC3                      | [ 1.0]                  |             |
| I-N!               | I<br>ILN/S/S    | 1 1                     | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1 1                 | EA               | l C           |              | I S      | i c           | İ                | <br>  TC4                | 1.0                     |             |
| l<br>I-N           | ]<br>] PLANTU   |                         | REMOVE/REPLACE LANDSCAPING   | •                   | <br>  FT         |               |              | <br>  S  |               | l                | <br> 3-WF3               | • •                     |             |

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|        | M2-LOCA<br>17 11:3 | L40-001<br>6 |         |       |      |     |          |        | ELECTRIC  | ETAIL        |           |           |          | PAC        | GE NO 385  |
|--------|--------------------|--------------|---------|-------|------|-----|----------|--------|-----------|--------------|-----------|-----------|----------|------------|------------|
| PROJEC |                    | 68 JOB:01    |         |       |      |     |          |        | -T&C JOE  |              |           |           |          | WORK ORDER |            |
| DESIGN |                    | NAME: ROLAN  |         | T&C J | OB 1 |     |          | STATU  | S: ACT    |              |           |           |          |            |            |
| LOCATI | ON: 346            | SHEET: 02    |         |       |      |     | : GEORGE | BONNER |           |              |           |           | 999-9999 | LOCATION   | 346 OF 587 |
|        | FAC<br>CODE        | DESC         | EXIST   | TAG   | NEW  | TAG |          |        | SEE SHT 5 | CON          | STRUCTION | NOTES     |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           | <b>ue</b> |          |            |            |
|        |                    | <u>.</u>     |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
| ·····  |                    |              | <b></b> |       |      |     |          |        |           | <sup>-</sup> |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            | , ,,       |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           | ,            |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      | -   |          |        | ·         |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |
|        |                    |              |         |       |      |     |          |        |           |              |           |           |          |            |            |

|                        | 050570           | TOD - 01                     | D E37 • O               | TYDE: 11D   | NAME - DO                               | DIEGO GAS ANU<br>DESIGN REVIEW<br>DLANDO BLK 7G2 | , – те | C TOB                       | 1  |        |          |                | 5    | STATUS: AC                | T WOI                       | RK ORDE            | R: 2960      | )700 |
|------------------------|------------------|------------------------------|-------------------------|---|---|--|--------|-----------------------------|--|--------|----------|----------------|------|---------------------------|-----------------------------|--------------------|--------------|------|
| SIGN: 0                | 1 NAME:          | : ROLANE                     | O BLK 7G2               | TAC JOB 1   |   | STATU  | JS: A  | ст                          |  |        |          |                |      |                           |                             |                    |              |      |
|                        | A 1 7 A 17       |                              | DTOUDTOU.               | CM DEST   | CATED BY.                               | GEORGE BONNER                                    |        |                             |  |        |          |                | PHON | JE: 999-99                | 999 1                       | LOCATIC            | N 347 (      | DE 5 |
| TTTT I                 | ,                |                              |                         |   |   | ON NOTES   | 1      | OTY                         | 1 1  | WRK    | MAŤ      | TIM            | ACC  | STANDARD                  | CREW                        | EST                |              |      |
| [ — N ]                | AS-2CT           | <b>I</b>                     | ASPHALT                 | r 2 SAW CUI   | AND BREAK                               | K MECH   | 1      | 110                         | FT ]                                       | С      |          | S              | С    |                           | SR3AS                       | 2.9                |              |      |
| <br>  M<br>            | 1                | <br> 114201                  | ASPHA                   | T BASE MEC<br>ALT (BASE)  | CH 18 IN                                |  | i      | 110<br>12                   | FT  <br>  TN                               | С      | 1        | 1 S I<br>1 I   | с    | ĺ                         | C-BC<br> SR4AL              | 3.0 <br>  3.0      |              |      |
| l<br>[-N]<br>]         | BH03XH<br> <br>  | x20201                       | MACH DI<br>TRAFI        | IG TRENCH 3<br>FIC BEARING<br>ALT, COLD MI                              | STEEL PLAT                              |  | i<br>1 |                             | FT  <br>  EA  <br>  TN ]                   | С      | C<br>  C |                | С    | G7453<br> <br>            | C-BC<br> C-BH<br> 3SWF4<br> | 4.8<br>4.8<br>9.6  |              |      |
| N                      | REM-3'           | X30007                       | DUMP:                   | SPOIL 3 FT<br>ING FEE   | F DEPTH                                 |  | ļ      | 120<br>30                   | FT <br> CY                                 | с      |          | jsj            |      | İ                         | C-DT                        | 10.6               |              |      |
| [N [<br>               | SLR-18<br>       | 656400                       | BACKFIJ                 | LL SLURRY 18<br>RY MIX, 1 S#  |   | X 12 IN DEEP                                     | <br>   |                             | FT [<br>  CY                               | С      | C        |                |      |                           |                             | 0.7                |              |      |
| <br> -N <br> <br> <br> | 1EB3IN<br> <br>  | 248201<br> 249664<br> 663528 | CONCI<br>CONDI<br>SPACI | EB CONDUIT<br>RETE - 2 SAG<br>UIT DB 3 IN<br>ER INTERMEDI<br>BASE SPACE | CK (GRAVEL<br>20 FT LENG<br>IATE 5 IN 2 | MIX)<br>GTH<br>2-WAY                             |        | 120<br>3<br>120<br>21<br>21 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | C      | 0000     | 5  <br>   <br> | c    | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br>         | 1.7 <br> <br> <br> |              |      |
| [N  <br>               | і 1.—З.ST.В<br>І | 322048                       | BEND                    |   | 3 IN 90 D                               | SLURRY ENC<br>36 IN R                            | 1      | 2<br>1                      | EA<br>EA<br>CY                             |        | c<br>I C | S  <br>   <br> | С    | 3373.2<br>                | 3-WF3                       | 1<br>  0.1<br>     |              |      |
| <br>t – N              | i<br>iln-s/u     |                              | TC-LAN                  | E CLOSURE U   | RBAN STREE                              | r  |        |                             |  |        |          |                | с    |                           |                             | 1.0                | <del>_</del> |      |
| [<br>-N                | <br> LN/S/S      | i i                          | LANE C                  | LOSURE URBAI  | N ST (STRE                              | ET REPAIR)                                       | 1      |                             |  | l<br>C |          | IS I           | C    | 1                         | TC4                         | 1 1.0              |              |      |
| <br>[-N]               | <br>  plantu     |                              | REMOVE                  | /REPLACE LA   | NDSCAPING                               |  |        | 10                          |  | •      |          | I S            | C    | 1                         | 13-WF3                      | 1.0                | <br>         |      |

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Block 7G2 UUP Attachment E – Technical Specifications

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| OJECT:             | 253568 J<br>        | юв:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                    | 1                           |             |                  |            |                | STATUS: AC                | T WOI               | RK ORDE              | R: 2960700   |
|--------------------|---------------------|-------------------------------|--|-----------------------------|-----------------------------|-------------|------------------|------------|----------------|---------------------------|---------------------|----------------------|--------------|
|                    |                     |                               | O BLK 7G2 T&C JOB 1 STATUS   | : ACT                       |                             |             |                  |            |                |                           |                     |                      |              |
| OCATION:           | : 348 SHEE          | T: 01 1                       | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                             |                             |             |                  |            | PHO            | NE: 999-99                | 99 1                | LOCATIO              | N 348 OF 587 |
| WRK <br>F-C MU:    | [<br>ID  AU ID      | <br>STOCK#                    | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                | <br> 004                    | WRK <br>RSP | MAT<br>RSP       | TIM<br>TRT | ACC<br>  TRT   | STANDARD<br>  PAGE        | CREW<br>  TYPE      | EST  <br>  HOURS     |              |
| I-N                | AS-2CT              | 1                             | ASPHALT 2 SAW CUT AND BREAK MECH   | l 315                       | FTI                         | CI          | 1                | S          | C              | 1                         | [SR3AS              | 8.21                 |              |
| I-N                | AB-M24              | ļ                             | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | 315<br>  12                 | FT  <br>  TN                | C  <br>     | с                | l S        | C              | 1                         | 1                   | 8.5                  |              |
| I-N <br> <br>      | BH04XH1<br>  1      | x20201 <br>114215             | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | <br>  315<br>  315<br>  3   | EA]                         | c i         | C C              | S          | C<br> <br>     | G7453<br> <br>            | C-BH<br>3SWF4       | 15.8<br>15.8<br>31.5 |              |
| I–N <br> <br>      | <br> REM-4" <br>    | ]<br>x30007                   | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | <br>  315<br>  108          | FT                          | c i         |                  | s          | l              | 1                         | <br> C-DT<br>       | 37.8                 |              |
| I-N <br>           | SLR-24              | <br>6564001                   | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 945                         | CYI                         |             | с                |            | іс<br>         | G7409<br>                 | 3-WF3<br>           | 2.81                 |              |
| I-N <br> <br> <br> |                     | 249664[<br>663528]<br>663530] | 1-3 IN EB CONDUIT CONC ENC<br>CONCRÈTE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 360<br>7<br>360<br>61<br>61 | CY <br> FT[<br> EA <br> EA! |             | 0<br>0<br>0<br>0 | 5          | <br> <br> <br> | 3376.1<br> <br> <br> <br> | <br> 3-WF3<br> <br> | 5.01                 |              |
| I-N¦<br>[<br>[     | 1-3SLB <br>[  <br>[ | 3220481<br>6564001            | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | i 2<br>i 2<br>i 1           | EA  <br>  CY                | C I         | c                | S<br> <br> | C<br> <br>     | 3373.2<br> <br>           | i<br>i              |                      |              |
| E-N <br> <br>      | 1-3SLS <br>         | 3221441<br>6564001            | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  |                             | EA <br> CY                  | C I         |                  | 1          |                | 13373.2<br>1<br>1         |                     | 0.7                  |              |
| I-N <br>           | XING-U]<br>  i      | 114215                        | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX  |                             | TN                          | C I         | с                | s          | l<br>c         | 1                         | 1<br> TC4<br>       | 0.1                  |              |
| I-N <br>1          | XING/S              |                               | TRAFFIC COND. (XING LANE) STREET REPAIR  | 1                           |                             | сi          |                  |            | <br>  C        |                           | TC4                 |                      |              |
| I-N <br>           | <br> LN-S/U[<br>    | Ì                             | TC-LANE CLOSURE URBAN STREET   | i 1                         | <br> EA <br>                | CI          |                  | s          |                | Ì                         | <br>  TC3           | 1.0                  |              |
| I-N                | LN/S/S[             | i                             | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1                         | EA                          | C           |                  | S          | -              | i                         | ITC4                | 1.0                  |              |
| I-N                | PLANTU              |                               | REMOVE/REPLACE LANDSCAPING   |                             |                             |             |                  | ( S        |                |                           | 1<br>3-WF3          |                      |              |

| ROJECT:                 | 253568               | JOB:01                   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                           | 1                                  |                 |                |                      | s                    | TATUS: AC                 | T WOE                   | K ORDE                  | R: 2960700  |
|-------------------------|----------------------|--------------------------|--|-----------------------------------|------------------------------------|-----------------|----------------|----------------------|----------------------|---------------------------|-------------------------|-------------------------|-------------|
| SIGN: (                 | 01 NAME              | : ROLAND                 | ) BLK 7G2 T&C JOB 1 STATUS:  | ACT                               |                                    |                 |                |                      |                      |                           |                         |                         |             |
| OCATION:                | 349 SHE              | ET: 01 1                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                   |                                    |                 |                |                      | PHON                 | Æ: 999-99                 | 199 1                   | LOCATIO                 | N 349 OF 58 |
|                         |                      |                          |  | 1 00037                           | 1                                  | NTD 12          | 1 1 4 20 107 1 | OCT 141              | 7001                 |                           | ICDEW .                 |                         |             |
| T 171                   | 101110 0             | 1 1                      | HAND DIC TRENCH 2 FT DEED AVE  | 1 16                              | FT.                                |                 | 1 :            | C 1                  | C                    | 67453                     | 13-073                  | 6.3                     |             |
| <br>[-N <br>[           | <br> BKF-3'<br>]     | <br> <br>                | BACKFILL TRENCH 3 FOOT DEEP  | <br>  16<br>                      | <br>  FT<br>                       |                 |                |                      |                      |                           |                         |                         |             |
| I-NI<br> <br>           | I                    | [<br>  [<br> 611492 <br> | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | •                                 | TN                                 | C<br> <br>      | i<br>I C<br>I  |                      | С                    | G7405                     | C-BH<br>C-DT            |                         |             |
| <br> -N                 | E                    | 2496641                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | j 16                              | FT<br>  FT                         | 1°C             | [<br>] C       | S                    | i c                  | 3373.1                    |                         | 0.2                     |             |
| [-N <br>[               | 1                    | <br> x30007              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 16<br>  2                         | FT<br>  ĊY                         | C<br> <br>      | <br>  C        | S                    | C                    | i<br>I                    |                         | 0.4                     | <i>u</i>    |
| 1-N                     |                      | i i                      | REMOVE/REPLACE LANDSCAPING   |                                   |                                    |                 |                |                      |                      |                           |                         |                         |             |
| <br> -N <br> <br>       | l<br>t               | <br> X20201 <br> 114215  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 16<br>  12<br>  1                 | FT<br>  EA<br>  TN                 | C<br> <br>      | <br>  C<br>  C | I S<br>I             | C<br>                | G7453<br> <br>            | C-BC<br> C-BH<br> 3SWF4 | 0.6 <br>  0.6 <br>  1.3 |             |
| I-N <br>                | REM-3'               | X30007                   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | [ 16<br>  4                       | FT<br>CY                           |                 | i<br>i c       | S<br>                | C<br>I               |                           | <br> C-DT<br>           | 1.4]<br>  ]             |             |
| I-N <br>                | Ì                    | 656400                   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | I 48                              | FT<br>  CY                         | ļ.              | i<br>  c       | S                    | i c<br>I             | G7409                     | 3-WF3                   | 0.1                     |             |
| <br>  -N <br> <br> <br> | 1EB3IN<br> <br> <br> | 663528 <br> 663530       | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 78<br>  2<br>  78<br>  78<br>  14 | FT<br>  CY<br>  FT<br>  EA<br>  EA | C<br> <br> <br> |                | S<br> <br> <br> <br> | C<br> <br> <br> <br> | 3376.1<br> <br> <br> <br> |                         | i 1.1 <br>              |             |
| I-N <br>[               | i                    | 656400                   | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 2<br>  2<br>  1                   | 1EA                                | Ċ               | c              | 1                    | l C<br>I             | [3373.2<br>               | 1                       | I I                     |             |
| I-NI                    | LN-S/U               |                          | TC-LANE CLOSURE URBAN STREET   | 1                                 | <br> EA                            | i c             |                | S                    | C                    | ,<br>1<br>1               | TC3                     | 1.0                     |             |
| [-N]                    | <br>  LN/S/S         |                          | LANE CLOSURE URBAN ST (STREET REPAIR)  |                                   |                                    |                 | -              | 5                    | c                    | <br>                      | TC4                     | 1.0                     |             |
| <br>I-N                 | I<br>PLANTU          | 1 1<br>1 1               | REMOVE/REPLACE LANDSCAPING   | <br>  10                          | <br> FT                            | 1<br>  C        |                | 15                   | c                    | l<br>I                    | 3-WF3                   | 1.0                     |             |

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EXIST TAG NEW TAG

CONSTRUCTION NOTES

| ROJECT: 2         | 53568                     | J0B:01                                     | REV:0 TYPE: UD   | NAME: ROLANDO BLK 70                                      | 32 -T&C JOB              | 1  |             |              |            | 9                        |                  |                          |                   | R: 2960700  |
|-------------------|---------------------------|--|--|---|--------------------------|--|-------------|--------------|------------|--------------------------|------------------|--------------------------|-------------------|-------------|
| SIGN: 01          | NAME                      | : ROLAND                                   | O BLK 7G2 T&C JOB 1  |   | IUS: ACT                 |  |             |              |            |                          |                  |                          |                   |             |
|                   |                           |  |  | GNED BY: GEORGE BONNEI                                    |                          |  |             |              |            | PHON                     | IE: 999-99       | 99 1                     | LOCATIO           | N 350 OF 58 |
| TRKI<br>F-C MU ID | <br> AU ID                | [  <br>[STOCK#]                            | DESCRIPTION/   | CONSTRUCTION NOTES  | QTY<br>  RQD             | ן אַנין<br>ואַנין                          | WRK <br>RSP | MAT  <br>RSP | TIM<br>TRT | ACC  <br>  TRT           | STANDARD<br>PAGE | CREW<br> TYPE            | EST  <br>HOURS    |             |
| E-N               |                           | 1 1  |  | AND BREAK MECH  | 22                       | FT ]                                       | С (         | [            | S          |                          |                  | ISR3AS                   | 0.6               |             |
| [-N <br> <br>     | AS-M18<br> <br>           | <br> X20022 <br> 114201 <br> 114202        | GRIND ASPHALT (P<br>ASPHALT (BASE)<br>ASPHALT (TOP)  | OP MECH 18 IN<br>ER SF)                                   | 22<br>  22<br>  2<br>  2 | FT  <br>  SF  <br>  TN  <br>  TN           |             |              | S          | i c i<br>[  <br>[  <br>[ |                  | IC-BC<br>ISR-3A<br>I     | 1.51<br>1.51<br>1 |             |
| [<br>[<br>[       | BHO3XH<br> <br>           | X202011                                    | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI   | STEEL PLATE   | 35<br>  27<br>  1        | FT  <br>  FT  <br>  EA  <br>  TN  <br>     | c           | C            | S          |                          | G7453            | ] C-BH                   | 1.4<br>1.4<br>2.8 |             |
|                   | REM-3                     | i i  | TRENCH SPOIL 3 FT<br>DUMPING FEE   | ) DEPTH   | 35                       |  | С           | C            |            | I C                      |                  | C-DT                     |                   |             |
|                   | SLR-18<br>                | <br> 656400                                | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA   | ) IN WIDE X 12 IN DEEP<br>ACK SAND                        | 105                      | FT <br> CY                                 |             | C 1          | S          | C                        |                  | 3-WE3<br>                |                   |             |
|                   | 12331N<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACER | XK (GRAVEL MIX)<br>20 FT LENGTH<br>XATE 5 IN 2-WAY        | 1<br>  33<br>  6         | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA |             |              | -          |                          | 3376.1           | <br> 3-WF3<br> <br> <br> |                   |             |
| [-N <br> <br>     | 1-35LB<br> <br>           | 322048 <br> 656400                         | BEND CONDUIT DB  | IN R BEND SLURRY ENC<br>3 IN 90 D 36 IN R<br>ACK SAND     | i 1                      | EA  <br>  EA  <br>  EA                     |             |              |            | C<br>  C<br>             | 3373.2           | 13-WF3                   |                   |             |
| I-N <br> <br>     | 1-3SLS<br> <br>           | 322144 <br> 656400                         | BEND CONDUIT DB  | 25 FT R SLURRY ENCASED<br>3 IN 22.5 D 25 FT R<br>ACK SAND | ( 4<br>  1               | EA<br> EA<br> CY                           |             |              | s          | C<br> <br>               |                  | 3-WF3<br>                |                   |             |
|                   | LN-S/U                    | • •  | TC-LANE CLOSURE UR   | RBAN STREET   |                          | <br> EA                                    | с           |              | s          | с                        | ſ                | <br>  TC3                | 1.0               |             |
| -N                | <br> LN/S/S               | • •  | LANE CLOSURE URBAN   | I ST (STREET REPAIR)                                      | 1                        | 1<br> EA[                                  | С           | 1  <br>[     | s          | [ C                      |                  | <br> TC4                 |                   |             |
| (-N               | <br>  PLANTU<br>          |  | REMOVE/REPLACE LAN   | IDSCAPING   | 1 10                     | FT[  | с           |              | s          | C                        |                  | <br> 3-WF3<br>           |                   |             |
| -N                | XING-U<br>                | <br> 114215                                | TC-TRAFFIC CONDITI<br>ASPHALT, COLD MI   | ONS STREET CROSSINGS                                      | i 1                      | FT]<br>  FT]                               |             | i c i        | S          |                          | l<br>I           | TC4<br>                  | 0.1]              |             |
| <br> -N           | <br> XING/S               | •  | TRAFFIC COND. (XIN   | IG LANE) STREET REPAIR                                    |                          |  | c           |              | s          | <br>  C                  |                  | <br> TC4                 |                   |             |

## CONSTRUCTION NOTES

|                       |              |         | REV:0 TYPE: UD                       | NAME: ROLANDO BLK 7G2                         | -T&C JOB     | 1          |            |                  |      |      |                  | T WOS                        | K ORDE            | R: 2960700  |
|-----------------------|--------------|---------|--------------------------------------|---|--------------|------------|------------|------------------|------|------|------------------|------------------------------|-------------------|-------------|
|                       |              |         | 0 BLK 7G2 T&C JOB 1                  | STATUS  | 5: ACT       | <b></b> -  |            |                  |      |      |                  |                              |                   |             |
|                       |              |         |                                      | IGNED BY: GEORGE BONNER                       |              |            |            |                  |      |      | NE: 999-99       |                              |                   | N 351 OF 58 |
| WRKI<br>F-CIMU ID     | AU ID        | STOCK#  | DESCRIPTION/                         | CONSTRUCTION NOTES                            | RQD          | UM         | RSP        | RSP              | TRT  | TRT  | STANDARD<br>PAGE | TYPE                         | HOURS             |             |
| I-N                   | 3'HD-A       | i i     | HAND DIG TRENCH 3                    |   | 26           |            | С          | [ [              | S    | С    | G7453            | 3-WF3                        | 9.9               |             |
| I-N                   | l i          | 1 1     | BACKFILL TRENCH 3                    | FOOT DEEP                                     |              | [FT        | i c<br>I   | i i<br>i i       | S    | С    |                  | 3-WF3<br> C-BC               | 0.4[<br>0.4[      |             |
| I-NI<br>I             |              | i i     |                                      | SAND - 12 INCH WIDTH<br>YCLED MATLS PREFFERED | 2            | TN         | C<br> <br> | <br>  C  <br>  I |      |      | G7405<br> <br>   | <br> 3-WF3<br> C-BH<br> C-DT | 0.1<br>0.1<br>0.1 |             |
|                       | Ì            | 249664  | 1-3 IN DE CONDUIT<br>CONDUIT DE 3 IN |   | 1 26<br>1 26 | FT         | i c<br>I   | <br>  C          | S    |      | 3373.1<br>       | <br> 3-WF3<br>               | 0.4               |             |
| 1                     | R-XCES<br>   | 1X30007 | EXCESS TRENCH SPOI<br>DUMPING FEE    | IL (12 IN DEEP)                               | 1 26<br>  3  | FT<br>  CY | i c<br>I   | i c i            | S    | с    | 1<br>            | <br> C-DT<br>                |                   |             |
|                       | PLANTU       |         | REMOVE/REPLACE LAN                   | NDSCAPING                                     | i 26         | FT         | <br>  C    | 1 1              | 5    | -    | i                | 3-WF3                        |                   |             |
| I-N                   | i<br>iln-s/u | i i     | TC-LANE CLOSURE UF                   | RBAN STREET                                   | 1            | •          | i c        | 1 1              | 5    |      |                  | <br>  TC3                    | 1.0               |             |
|                       | <br> LN/S/S  |         | LANE CLOSURE URBAN                   | N ST (STREET RÉPAIR)                          | •            | <br> EA    | i c        |                  | S    | с    | I                | <br>  TC4                    |                   |             |
| WORK FAC<br>FUNC CODE |              |         | EXIST TAG NEW                        |   | SEE SHT 5    |            | CONS       | TRUCI            | CION | NÓTI | ES               |                              |                   |             |
| •••••                 |              |         |                                      |   |              |            |            |                  |      |      |                  |                              |                   |             |
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|                       |              |         |                                      |   |              |            |            |                  |      |      |                  |                              |                   |             |

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|                 |              |        |                           |                       |                    | ME: ROLANDO BI                       |           | C JOB      | 1           |         |         |              | 5          | TATUS: AC        | T WOI      | RK ORDE    | ER: 2960700 | ,  |
|-----------------|--------------|--------|---------------------------|-----------------------|--------------------|--------------------------------------|-----------|------------|-------------|---------|---------|--------------|------------|------------------|------------|------------|-------------|----|
| IGN: 01         | NAME :       | ROLANE | O BLK 7G2                 | T&C JOB               | 1                  |                                      | STATUS: A | LCT        |             |         |         |              |            |                  |            |            |             |    |
|                 |              |        |                           | CM DE                 | SIGNED             | BY: GEORGE BO                        |           |            |             |         |         |              |            |                  |            | LOCATIO    | ON 352 OF 5 | 87 |
| RK <br>-C MU ID | AUID         | STOCK# | D                         | ESCRIPTIO             | N/CONST            | TRUCTION NOTES                       | s         | QTY<br>RQD | UM!         | RSPIE   | SP [ T] | IM A<br>RT T | CC S<br>RT | STANDARD<br>PAGE | CREW       | HOURS      | l           |    |
| -N  <br>        | 330926 <br>  |        | HAND HO:<br>QUAZI         | LE 3309.2             | 37"X 2             | 26" X 26"<br>6"                      |           | 1<br>1     | EA[<br>]EA[ | C  <br> | c   ;   | S  <br>      | C  :<br>   | 3309.2           | 3SWF3      | 0.8<br>    | l<br>I      |    |
| -N              | X09H26 <br>] |        | INSTALL<br>QUAZI          | EXCAVATI<br>TE BOX 37 | ON/REMO<br>"X26"26 | DVE<br>6"                            |           | 1<br>1     | EA <br> EA  | C  <br> | :<br>c  | S  <br>      | C  :<br>   | 3309.2           | 1          | 1 0.8<br>1 |             |    |
| -N]             | 1-3SLB       | 322048 | 1-3 IN 1<br>BEND<br>SLUBB | CONDUIT D             | B3 IN              | BEND SLURRY B<br>90 D 36 IN R<br>GMA | 1         | 5<br>5     | EA <br> EA  |         | c i i   | s i<br>I     | c i 3<br>1 | 3373.2           | i i        | 0.3        | i           |    |
| 1               | <br>  PLANTU |        | REMOVE/1                  |                       |                    |                                      | Í         |            | E I         | 1       | i.      | 1            | - İ        |                  | <br> 3-WF3 | 1          | l           |    |
| INC CODE        |              |        |                           |                       |                    |                                      |           |            |             |         |         |              |            |                  |            |            |             |    |
|                 | DESC         |        | EXIST                     |                       |                    |                                      |           | SHT 5      |             | ONSTR   |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
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|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 |              |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 | DESC         |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 |              |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
|                 |              |        |                           |                       |                    |                                      |           |            |             |         |         |              |            | _                |            |            |             |    |
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| 9/05/17 1               | LOCAL40-00<br>11:36  | 1                              | SAN DIEGO G<br>DPSS - DESIGN F   | AS AND ELECT<br>REVIEW COPY - | RIC<br>DET              | AIL                                |                      |                 |               |                 |                      |                         | P.                    | AGE NO 392   |
|-------------------------|----------------------|--------------------------------|--|-------------------------------|-------------------------|------------------------------------|----------------------|-----------------|---------------|-----------------|----------------------|-------------------------|-----------------------|--------------|
| ROJECT: 2               | 253568 0             | TOB • 01                       | REV:0 TYPE: UD NAME: ROLANDO E   | 3LK 7G2 -T&C 4                | JOB                     | 1                                  |                      |                 |               | 5               | STATUS: AC           | T WOI                   | RK ORDE               | R: 2960700   |
| ESIGN: 01               | NAME:                | ROLANI                         | 00 BLK 7G2 T&C JOB 1   | STATUS: ACT                   |                         |                                    |                      |                 |               |                 | <b></b>              |                         | _ <u></u>             |              |
| OCATION:                | 353 SHEE             | T: 01                          | DISTRICT: CM DESIGNED BY: GEORGE F   | SONNER                        |                         |                                    |                      |                 |               |                 |                      |                         |                       | N 353 OF 58  |
|                         |                      |                                | DESCRIPTION/CONSTRUCTION NOTE  | 1.0                           | 1017                    | 1                                  | 717712               | MATT            | TIM]<br>TRT   | ACC<br>TRT      | STANDARD             | CREW<br> TY₽E           | EST  <br> HOURS       | ù <b></b>    |
| I-N                     | 3'HD-A               | 1                              | HAND DIG TRENCH 3 FT DEEP AVE  | 1                             | 16                      | FT1                                | С                    |                 | SI            | С               | G7453                | 3-WF3                   | 6.3                   |              |
| 1-N [<br>               | <br>  BKF-3'<br>     | i i                            | BACKFILL TRENCH 3 FOOT DEEP  | 1                             | 161                     | FT                                 | С                    |                 | S             | С               | [                    | 3-173                   | l 0.21                |              |
| 1-N]<br> <br>           |                      |                                | SHADE TRENCH WITH SAND - 12 INCH WI<br>SAND, FILL RECYCLED MATLS PREFF   | IDTH  <br>SRED  <br>          | 16<br>1                 | FT  <br>  TN  <br>                 | С                    | l c             | S             | С               | G7405<br>            | 3-WF3<br> C-BH<br> C-DT | <br>   <br>  E        | <u></u>      |
| I-NI<br>I               | 1                    | 249664                         | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | -                             | 16<br>16                | FT                                 | С                    | <br>  C         | S             | C               | 3373.1               | 3-WF3                   | <br>  0.2 <br>        |              |
| 1<br>1-N <br>           | I                    | X30007                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | <br> <br>                     | 16<br>2                 | FT<br> CY                          | i c                  | <br>  C         | S             | с               | <br>                 |                         |                       |              |
| <br>I-N                 |                      | i                              | REMOVE/REPLACE LANDSCAPING   | l                             | 16                      | דיד ו 1                            | C C                  | i               | I S 1         | C               | [                    |                         | 1.61                  |              |
| I-N <br>                | L                    | <br> X20201                    | MACH DIG TRENCH 3 FT DEEP BÀCKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 1<br> <br>                    | 25<br>19                | FT <br>  EA]                       | C<br>                | <br>  C         | S             | I C             | ]G7453<br> <br>      | C-BC<br>C-BH<br>3SWF4   | 1.0<br>  1.0<br>  2.0 |              |
| I-N[<br>i               | 1 REM-3 '            | X30007                         | TRENCH SPOIL 3 FT DEPTH<br>DOMPING FEE   | 1                             | 25                      | I FT                               | D I                  |                 | I S           | I C             | 1                    | C-DT                    | 1                     |              |
| I-N <br>                | i i                  | 656400                         | BACKFILL SLURRY 18 IN WIDE X 12 IN<br>SLURRY MIX, 1 SACK SAND  | DEEP                          | 75                      | $ \mathbf{FT} $                    | 1 C                  | •               | I S           | C               | G7409<br> <br>       | ]3-WF3                  | 0.2                   |              |
| I-N <br> <br> <br> <br> | 1EB3IN<br> <br> <br> | 249664<br>  663528<br>  663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | .<br> <br> <br> <br>          | 44<br>1<br>44<br>8<br>8 | FT<br>  CY<br>  FT<br>  EA<br>  EA | C<br> <br> <br> <br> |                 | S<br> <br>    | C<br> <br> <br> | 3376.1<br> <br> <br> | [3-WF3<br>[<br>]<br>]   | 0.6                   |              |
| I-N <br>                | 1-3SLB<br> <br>      | 322048<br> 656400              | <br>  1-3 IN DB 90 D 36 IN R BEND SLURRY<br>  BEND CONDUIT DB 3 IN 90 D 36 IN<br>  SLURRY MIX, 1 SACK SAND   | ENC  <br>R                    | 1<br>1<br>1             | EA<br> EA<br> CY                   | C<br> <br>           | 1<br>  C<br>  C | 1 S<br> <br>  | C<br> <br>      | 3373.2<br> <br>      | 3-WF3                   | Ł                     |              |
| I-N                     | 1-3SLS               | 322144<br> 656400              | 1-3 IN DB 22.5 D 25 FT R SLURRY EN<br>BEND CONDUIT DB 3 IN 22.5 D 25 F<br>SLURRY MIX, 1 SACK SAND  | CASED [<br>TR  <br>           | 1<br>1<br>1             | EA<br> EA<br> CY                   | 1 C                  | <br>  C<br>  C  | <b>1</b><br>1 | Ċ<br> <br>      | 3373.2<br> <br>      |                         | <br> <br>1            | <del>_</del> |
| 1-N                     | <br>  LN-S/U         |                                | TC-LANE CLOSURE URBAN STREET   |                               | 1                       | EA                                 | ( C                  | İ.              | S<br>         | 1 C             | 1                    |                         | 1.0                   |              |
| <br>IN                  | LN/S/S               | i                              | I<br>! LANE CLOSURE URBAN ST (STREET REPA  | IR)                           | 1                       | EA                                 | j c                  | i               | I S           | C               | i                    | TC4                     | 1.0                   |              |
| <br> I-N                | PLANTU               | 1                              | <br>  REMOVE/REPLACE LANDSCAPING   |                               |                         |                                    |                      |                 |               |                 | 1                    |                         | si 1.0                |              |

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|--|------------|-------|--------|------|--------|---------|---|--------------|--------|----------|-------------|----------|
| PROJECT: 253568                        | JOB:01     | REV:0 | TYPE:  | : UD | NAME : | ROLANDO | BLK 7G2 -T&C JOB 1                      |              | STA    |          | WORK ORDER: | 2960700  |
| DESIGN: 01 NA                          | AME: ROLAN |       | T&C JO | OB 1 |        |         | STATUS: ACT                             |              |        |          |             |          |
| LOCATION: 353                          |            |       |        |      |        | GEORGE  | BONNER                                  |              | PHONE: | 999-9999 | LOCATION    |          |
| WORK FAC<br>FUNC CODE DI               | ESC        | EXIST | TAG    | NEŴ  | TAG    |         |   | CONSTRUCTION |        |          |             |          |
|  |            |       |        |      |        |         | SEE SHT 5                               |              |        |          |             |          |
| ###################################### |            |       |        |      |        |         |   |              |        |          |             |          |
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|  |            |       |        |      |        |         |   |              |        |          |             |          |
|  |            |       |        |      |        |         |   |              |        |          |             |          |

| DJECT: 253568 JOB:01                      | REV:0 TYPE:   | UD NA                            |                                      | BLK 7G2 - | -T&C JOB            | 1                                     |                   |  | S              | TATUS: AC        | T WOI                |               |          |                                       |
|---|---|----------------------------------|--------------------------------------|-----------|---------------------|---------------------------------------|-------------------|--|----------------|------------------|----------------------|---------------|----------|---------------------------------------|
| SIGN: 01 NAME: ROLA                       | NDO BLK 7G2 T&C JO                                  | в 1                              |                                      | STATUS:   | ACT                 |                                       |                   |  |                |                  |                      |               |          |                                       |
| CATION: 354 SHEET: 01                     | DISTRICT: CM  | DESIGNED                         | BY: GEORGE                           | BONNER    |                     |                                       |                   |  | PHON           | iE: 999-99       | 99 :                 | LOCATIC       | ON 354 ( | F 587                                 |
| NRK     <br>N-C MU ID  AU ID  STOCK       | #  DESCRIP:   | ION/CONS                         | STRUCTION NO                         | TES       | QTY<br>  RQD        | UM   P                                | SP 3S             | PITRT?                                 | TRT            | STANDARD<br>PAGE | TYPE                 | HOURS         |          |                                       |
| 24966<br>     65640                       | 1-3 IN EB CONI<br>4  CONDUIT DB 3<br>)  SLURRY MIX, | DUIT SLUP<br>3 IN 20 P           | RRY ENCASED                          |           | 124<br>  124<br>  3 | FT  <br>  FT  <br>  CY                | c  <br>  c<br>  c | S<br> <br>                             | C  <br>   <br> | 3376.1           | 3-WF3<br> <br>       | [ 1.7]<br>[ ] |          |                                       |
| I-N   1-3SLB <br>     32204<br>    [65640 |   | ) 36 IN F<br>DB 3 IN<br>1 SACK S | R BEND SLURR<br>N 90 D 36 IN<br>SAND | Y ENC     | 2<br>  2<br>  1     | EA  <br>  EA  <br>  CY                | c   c<br>  c      | S<br> <br>                             |                | 3373.2           | <br> 3-WF3<br>[<br>[ | 0.1           |          |                                       |
| IORK FAC<br>FUNC CODE DESC                |   | NEW TAG                          | 3                                    |           |                     | сс                                    | ONSTRU            | CTION                                  | NOTE           | s                |                      |               |          |                                       |
|   |   |                                  |                                      |           | E SHT 5             |                                       |                   |  |                |                  |                      |               |          |                                       |
| . <u>.</u>                                |   |                                  |                                      |           |                     |                                       |                   |  |                |                  |                      |               |          |                                       |
|   |   |                                  |                                      |           |                     |                                       |                   | ······································ |                |                  |                      |               |          |                                       |
|   |   |                                  |                                      |           |                     | · · · · · · · · · · · · · · · · · · · |                   |  |                |                  |                      |               |          |                                       |
|   |   |                                  |                                      |           |                     |                                       |                   |  |                |                  |                      |               |          | · · · · · · · · · · · · · · · · · · · |

|          |                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                    |              |              |            |              |              |               |                    |                              |                | R: 2960700  |
|----------|---------------------|---|--------------|--------------|------------|--------------|--------------|---------------|--------------------|------------------------------|----------------|-------------|
| ESIGN: 0 | 1 NAME: ROLA        | NDO BLK 7G2 T&C JOB 1 STATUS                            | : ACT        |              |            |              |              |               |                    |                              |                |             |
|          |                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER                 |              |              |            |              |              |               |                    |                              |                | N 355 OF 58 |
| F-C MU I | <br>D  AU ID !STOCK | <br>#  DESCRIPTION/CONSTRUCTION NOTES                   | QTY<br>  RQD | <br> UM      | WRK<br>RSP | MAT<br>  RSP | TIM<br>  TRT | ACC<br>  TRT  | STANDARD<br>  PAGE | CREW<br>  TYPE               | EST  <br>HOURS |             |
| I-N      | 3'HD-A]             | HAND DIG TRENCH 3 FT DEEP AVE                           | ; 16         | FT]          | I C        | l I          | 5            | с             | G7453              | 3-WF3                        | 6.3            |             |
| I-N      | BKF-3'              | BACKFILL TRENCH 3 FOOT DEEP                             | 16<br>       | FT  <br>     | C<br>      | 1            | 1 S          | C<br>         | l                  | 3-WF3<br>  C-BC              | 0.2            |             |
| I-N!     | )  61149<br>        |   | 16<br>  1    | FT  <br>  TN | i<br>I     | i c          | i<br>I       | i c<br>1<br>1 | G7405<br> <br>     | <br> 3-wf3<br> C-BH<br> C-DT |                |             |
| I-N <br> | 24966               | 1-3 IN DE CONDUIT SEC<br>  CONDUIT DE 3 IN 20 FT LENGTH | i 16<br>  16 | FT <br>  FT  | i c<br>I   | i<br>I C     | <br>  S<br>  | i c<br>I      | 3373.1             | <br> 3-WF3<br> <br>          | 0.2            |             |
| I-N <br> | R-XCES              | EXCESS TRENCH SPOIL (12 IN DEEP)                        | 16<br>  2    | FT           | ic<br>1    | i –          | is<br>I      | i c           | <br>               | IC-DT                        | 0.4            |             |
| I-N      | PLANTU              | REMOVE/REPLACE LANDSCAPING                              | 11           | FT           | C<br>  C   | i            | ! S          | [ C           | E                  | 3-WF3                        |                |             |
| I-N      | CC-2CT              | CONCRETE 2 SAW CUT AND BREAK MECH                       | 5            | FT           | i c        | 1            | S<br>        | i c           | 1                  | SR3AS<br>                    | 0.2            |             |
| I-N      | [<br>[CF-H12]<br>]  | FINISH CONCRETE SURFACE MAN 12 IN                       | 5            | FT           | i c        | i            | S<br>        | I C           | 1                  | SR3CS                        | i i            |             |
| 1-N      |                     | TC-LANE CLOSURE URBAN STREET                            | 1            | EA           | i c        | i –          | S<br>        | i c           | Ì                  | TC3                          | 1.0            |             |
| I-N      |                     | LANE CLOSURE URBAN ST (STREET REPAIR)                   | 1            |              |            |              |              |               |                    | [TC4                         |                |             |
| WORK F   | TAC<br>DDE DESC     | EXIST TAG NEW TAG                                       |              |              | CONS       | TRUC         | TION         | NOT           | ES                 |                              |                |             |
|          |                     | S   | EE SHT 5     |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |
| · · ·    |                     |   |              |              |            |              |              |               |                    |                              |                |             |
|          |                     |   |              |              |            |              |              |               |                    |                              |                |             |

| DP001EM2-1<br>09/05/17 1 | 1:36       |                     |       |             |          |          |                |             |             | DPS        | IS -       | DES   | IGN  | REVI  | AND E<br>EW CO | PY -       | DET           | AIL               |              |            |            |                  |            | <u>.                                    </u> |                |           | PA  | GE NO | 396      |
|--------------------------|------------|---------------------|-------|-------------|----------|----------|----------------|-------------|-------------|------------|------------|-------|------|-------|----------------|------------|---------------|-------------------|--------------|------------|------------|------------------|------------|--|----------------|-----------|-----|-------|----------|
| PROJECT: 2               | 253568     | 1 C                 | ЮB:01 |             | REV:     | 0        | TY             | PE:         | UD          | NAM        | E: P       | ROLAI | NDO  | BLK   | 7G2 -          | T&C J      | 0B            | 1                 |              |            |            |                  |            | STÁTUS: AC                                   |                |           |     |       |          |
| DESIGN: 01               | - 1        | IAME :              | ROLA  | NDO         | BLK      | 7G2      | T&C            | JOB         | 1           |            |            |       |      | ST    | ATUS:          | ACT        |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
| LOCATION:                | 356        | SHEE                | T: 01 | ÐI          | STRI     | CT:      | CM             | D           | ÉSIG        | NED        | BY:        | GEOI  | RGE  | BONN  | ER             |            |               |                   |              |            |            | $\mathbf{P}_{i}$ | HON        | xE: 999-99                                   | 99             |           |     |       |          |
| WRK <br> F-C MU IE       |            | <br>ID              | STOCK | <br>#1      |          | DE       | ESCRI          | (PTI        | on/c        | ONST       | RUCI       | FION  | NOT  | res   |                | QT<br>  RQ | Ý  <br>D      | ן<br>1 אט         | WRŘ  <br>RSP | MAT<br>RSF | TII<br> TR | M   A<br>T   T   | CC  <br>RT | STANDARD<br>PAGE                             | CREW<br>  TYPE | HOUR      | SI. |       |          |
| II-N                     | 342<br>    | 2 <b>1</b> –1  <br> | 51424 | 0           | PAD      | 3421     | 1 1-1          | HAS         | E TR        | ANSF       | ORME       | ER    |      |       |                | 1          | 1)<br>1)      | EA <br>EA         | C I          | С          | S<br>      | 1<br>            | C          | 3421.1<br>                                   | 3-AF4          | 0.<br>    | 4   |       |          |
| <br> I-N                 | X->        | (F1P                |       | 1           | PAD      | PREI     | P 342          | 21 P        | AD (        | 1-РН       | IASE       | TRA   | NSFC | ORMER | }              |            | 1             | EA                | с            |            | S          | [  <br>[         | сi         | <br> <br>                                    | <br> 3SWF3     | [ 0.      | 4   |       |          |
| <br> I-N <br>            | ] TG-<br>] | W-T-                | 81281 | ا<br>6      | TREN     | ICH 6    | GRD V          | VIRE        | ₩/0         | ROE        | DS (T      | FRAN. | S/CF | AP)   |                | 1          | 11            | EAI               | CI           |            | S          | 1                | CI         | 4510.1                                       | 135WF3         | 1 0.      | 21_ |       | <u>.</u> |
| I-N <br>   <br>          | Ì          | SLB                 | 65640 | <br>8 <br>0 | BE<br>SL | OND C    | CONDU<br>Y MIX | JIT<br>K, 1 | DB 3<br>SAC | IN<br>K SA | 90 I<br>ND | 36    | IN   | R     |                | 1<br>1     | 6 <br>6 <br>2 | EA <br>EA[<br>CY[ | С            | с<br>с     | S<br> <br> | 1<br>1<br>1      | с I<br>I   | 3373.2                                       |                | ) 0.<br>1 | 3   |       |          |
| WORK FF<br>FUNC COL      | <i>f</i> C |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   | ONS          |            |            |                  | OTE        |  |                |           |     |       |          |
| I                        | D I        | AD                  |       |             |          |          |                |             |             |            |            |       |      |       | SE             | E SHT      | 5             |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               | -                 |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            | <u> </u>   |                  | di         |  |                |           |     |       |          |
|                          |            |                     |       |             |          | <u> </u> |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       | -        |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          | · · ·      |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |
|                          |            |                     |       |             |          |          |                |             |             |            |            |       |      |       |                |            |               |                   |              |            |            |                  |            |  |                |           |     |       |          |

| SIGN: 01              | NAME            | : ROLAND                                   | 00 BLK 7G2 T&C JOB 1 STATUS:  | ACT                               |                |      |                |          |                 |                           |                         |                   |              |
|-----------------------|-----------------|--|---|-----------------------------------|----------------|------|----------------|----------|-----------------|---------------------------|-------------------------|-------------------|--------------|
| CATION: 3             | 57 SHEI         | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                                   |                |      |                |          | PHO             | NE: 999-99                | 99                      | LOCATIO           | N 357 OF 587 |
| -CIMU ID              |                 | STOCK#                                     | DESCRIPTION/CONSTRUCTION NOTES  | ROD                               | UM             | RSP  | RSP            | TRT      | TRT             | STANDARD<br>  PAGE        | TYPE                    | HOURS             |              |
| [-N]                  | AS-2CT          | <br>[ ]                                    |   |                                   | FT             | С    | i i            | S        | ,<br>C          | l                         | SR3AS                   | • •               |              |
| [-N                   | A3-M18<br>      | i i<br>!114201                             | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 70<br>  8                         | ] FT [<br>] TN | С    | l c            | S        | i c             | <br>                      | C-BC<br> SR4AL          | 1.9               |              |
| -N                    | BH03XH<br> <br> | X20201 <br> 114215[                        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | 70<br>  53<br>  1                 | EA  <br>  TN   | С    | <br>  C<br>  C | S        | ic<br>I         | G7453<br>                 | С-ВС<br> С-ВН<br> ЗSWF4 | 2.8<br>2.8<br>5.6 |              |
| [-N                   | REM-3'          | X30007[                                    | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 70<br>1 18                      | FT <br> CY     | С    | С              | S        | i c<br>I        | [<br>                     | IC-DT                   | 6.21              |              |
| E-N [                 | SLR-18<br>      | 656400                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    | 210<br>  12                       | CY             | С    | 1<br>  C       |          | i c<br>I        | G7409                     | Ì                       | 0.4               |              |
| 1<br>1                | 1EB3IN          | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC  | 70<br>  2<br>  70<br>  12<br>  12 | CY<br>FT<br>EA | С    |                | S        | C<br> <br> <br> | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br>          | 1.0               |              |
| Ì                     | 1-3SLB<br> <br> | 322048 <br> 656400                         | SLURRY MIX, 1 SACK SAND   | 2<br>  2<br>  1                   |                | с    |                | i S<br>I | i<br>I          | 3373.2<br> <br>           | 1                       |                   |              |
| I-N                   | LN-S/U          | 1  | TC-LANE CLOSURE URBAN STREET  | i 1                               | EA             | с    | i              | ,<br>[ 5 | i c             |                           | TC3                     | 1.01              |              |
| 1                     | <br> LN/S/S     | 1 1  | LANE CLÓSURE URBAN ST (STREET REPAIR)   | i 1                               | EA             | С    |                | s        | C               | Ì                         | TC4                     |                   |              |
| <br>[_N               | <br>  plantu    |  | REMOVE/REPLACE LANDSCAPING  |                                   |                |      | 1              |          |                 | 1                         |                         | <br>  1.0         |              |
| WORK FAC<br>FUNC CODE |                 |  | EXIST TAG NEW TAG   |                                   |                | CONS | TRUC'          | FION     | NOT             | ES                        |                         |                   |              |
|                       |                 |  | SE  | e sht 5                           |                |      |                |          |                 |                           |                         |                   |              |
|                       |                 |  |   |                                   |                |      |                |          |                 |                           |                         |                   |              |

| ESIGN: 01           | NAME                        | : ROLANDO |                 | T&C JOB 1                    |             | STATUS:     |                      |                       |              |                    |          |     |                    |                              |                     |           |
|---------------------|-----------------------------|-----------|-----------------|------------------------------|-------------|-------------|----------------------|-----------------------|--------------|--------------------|----------|-----|--------------------|------------------------------|---------------------|-----------|
| OCATION:            | 358 SHE                     | ET: 01 I  | DISTRICT:       | CM DESIG                     | NED BY: GE  | ORGE BONNER |                      |                       |              |                    |          | PHO | NE: 999-99         | 99 1                         | LOCATIC             | ON 358 OF |
| WRK <br>F-C MU ID   | AU ID                       | ]STOCK#   | <br>ת           | ESCRIPTION/C                 | CONSTRUCTIO | N NOTES     | RQD                  | I UM                  | RSP          |                    |          | TRT | STANDARD<br>  PAGE | TYPE                         | HOURS               |           |
| I-N                 | 3'HD-A                      |           |                 | G TRENCH 3                   |             | <br>VE      | [ 42                 |                       |              | + <b></b>          |          | с   | G7453              | 3-WF3                        | 15.6)               |           |
| I – N {<br>i        | !<br>  BKF <b>-</b> 3 '<br> |           | BACKFIL         | L TRENCH 3 H                 | TOOT DEEP   |             | 42                   | <br>  FT<br>          | C<br>        | <br> <br>          |          | С   |                    | <br> 3-WF3<br> C-BC          | 0.6                 |           |
| I <b>-N</b>  <br>]  |                             |           |                 | RENCH WITH S<br>FILL RECYC   |             |             | 1<br>  42<br>  3<br> | FT<br>  TN<br>        | •            | [<br>[<br>[ C<br>[ |          | C   |                    | <br> 3-WF3<br> C-BH<br> C-DT | 0.1 <br>0.1 <br>0.1 |           |
| I-N                 | 1                           | 249664    |                 | DE CONDUIT S<br>IT DB 3 IN 2 |             | H           |                      | <br>  FT<br>[ FT<br>, | ]<br>] C<br> | <br>  C            |          | с   | <br> 3373.1<br>    | <br> 3-WF3<br> <br>          |                     | ·         |
| I-N <br>[           | R-XCES                      |           | EXCESS<br>DUMPI | TRENCH SPOID<br>NG FEE       | . (12 IN D  | DEEP)       |                      | FT<br> CY             |              | Ċ                  |          | С   | <br> <br> <br>     | C-DT                         | 1.1                 |           |
| I-N                 | PLANTU                      |           | REMOVE/         | REPLACE LAN                  | DSCAPING    |             | 21                   | 1<br>  FT             | i c          | <br> <br>          |          | С   | [<br>[             | 3-WF3                        | 2.1                 | l         |
| I-NI                | CC-2CT                      |           | CONCRET         | e ż saw cut                  | AND BREAK   | MECH        | 1 21                 | FT                    |              | l                  | 1<br>  5 | ¢   | 1                  | I SR3AS                      | 0.8                 |           |
| !<br>I-N]           | <br> CF-H12                 |           | FINISH          | CONCRETE SU                  | RFACE MAN   | 12 IN       | 21                   | FT                    | i c          | [                  | 5        | С   | 1                  | <br> SR3CS                   |                     | ·         |
| 1<br>1-N            | <br> LN-S/U                 |           | TC-LANE         | CLOSURE UR                   | BAN STREET  |             | 1                    | IEA                   | i c          | 1                  | S        | с   |                    | TC3                          |                     | í         |
| <br>I-N             | <br> LN/S/S                 |           | LANE CL         | OSURE URBAN                  | ST (STREET  | REPAIR)     | 1                    | EA                    | l c          |                    | S        | С   | [                  | <br>  TC4                    | 1.01                | ۱         |
| WORK FA<br>FUNC COD |                             |           | EXIST           | TAG NEW                      | TAG         |             |                      |                       | CONS         | TRUC               | TION     | NOT | ES                 |                              |                     |           |
| <b></b>             |                             |           |                 |                              |             |             | LE SHT 5             |                       |              |                    |          |     |                    |                              |                     |           |

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| P001EM2-LOC<br>9/05/17 11: | 36         | )1          |                         |          |        |         |         | o gas an<br>N review |           |        |                 | 3    |         |            |      |                  |           | P           | AGE NO 399   |
|----------------------------|------------|-------------|-------------------------|----------|--------|---------|---------|----------------------|-----------|--------|-----------------|------|---------|------------|------|------------------|-----------|-------------|--------------|
| ROJECT: 253                | 3568 3     |             | REV:Ö                   |          |        |         |         |                      | 52 -T&    | с јов  | 1               |      |         |            | 5    | TATUS: AC        | T WO      | RK ORDE     | R: 2960700   |
| ESIGN: 01                  |            |             |                         |          |        |         |         |                      | UŞ: A     |        |                 |      |         |            |      |                  |           |             |              |
| OCATION: 35                | 9 SHEE     | ST: 01      | DISTRICT:               | : CM     | DESIG  | NED BY: |         |                      |           |        |                 |      |         |            |      | IE: 999-99       |           |             | N 359 OF 587 |
| WRK <br>F-C MU ID          | AU ID      | STOCK#[     |                         | DESCRIPT | ION/CO | ONSTRUC | CTION N | OTES                 | i         | RQD    | UM              | RSP  | RSP     | TRT        | TRT  | STANDARD<br>PAGE |           | HOURS       |              |
| I-N                        | 330926     | 1<br>162690 | HAND HO<br>QUAZI        | DLE 3309 | 9,2 37 | X 26"   | X 26"   |                      |           | 1<br>1 | IEA<br>IEA      | С    | l c     | 5          | С    | 3309.2           |           | i 1         |              |
| Ì                          | X09H26     | 162690      | INSTALI<br>QUAZ         |          |        |         |         |                      | 1         | 1<br>1 | EA <br> EA      | С    | C C     | 1 S  <br>1 | CI   | 3309.2           | 35WF3<br> | 0.81<br>1 1 |              |
| I-N                        | 1-3SLB<br> | 3220481     | 1-3 IN<br>  BEND        | CONDUIT  | DB 3   | IN 90   | D 36 I  |                      | <br> <br> | 4<br>4 | EA <br> EA      | С    | <br>  C | S          | C    | 3373.2           | i.        | 0.2         |              |
|                            | 1          | i i         | SLURI<br> <br>  REMOVE, | -        |        |         |         |                      | <br> <br> |        | 1 1             |      | İ.      | 5          |      |                  | i         |             |              |
| WORK FAC<br>FUNC CODE      |            |             | EXIS                    | T TAG    | NEW '  | TAG     |         |                      |           |        |                 | CONS | TRUC    | TION       | NOTI | ES               |           |             |              |
|                            |            |             |                         |          |        |         |         |                      | SEE       | SHT 5  | ;<br>- <b>-</b> |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             | <u>-</u>                |          |        |         | -       |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
| <u>.</u>                   |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        | -       |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |
|                            |            |             |                         |          |        |         |         |                      |           |        |                 |      |         |            |      |                  |           |             |              |

| ROJECT: 25        | 3568 .               | JOB:01                              | REV:0 TYPE: UD  | NAME: ROLAN                                      | IDO BLK 7G2 -T | &C JOB                              | 1  |     |                   |     | ŝ    | STATUS: AC       | T WOS               | RK ORDE              | R: 2960700 |
|-------------------|----------------------|-------------------------------------|---|--|----------------|-------------------------------------|--|-----|-------------------|-----|------|------------------|---------------------|----------------------|------------|
|                   |                      |                                     | D BLK 7G2 T&C JOB 1   |  | STATUS:        |                                     |  |     |                   |     |      |                  |                     |                      |            |
| CATION: 3         | 60 SHE               | ST: 01 3                            | DISTRICT: CM DES  | IGNED BY: GEOR                                   | IGE BONNER     |                                     |  |     |                   |     | PHON | JE: 999-99       | 99 :                | LOCATIC              | N 360 OF 5 |
| WRK <br>F-CIMU ID | <br> AU ID           | <br>  STOCK# [                      |   | CONSTRUCTION                                     | NOTES          | RQD                                 | UM   | RSP | RSP               | TRT | TRT  | STANDARD<br>PAGE | TYPE                | HOURS                |            |
|                   |                      | 1                                   | ASPHALT 2 SAW CU  |  | шесн           | 1 116                               | FT   | С   |                   | S ] | С    |                  |                     | 3.0                  |            |
| [-N]              | Ì                    | 114201                              | ASPHALT BASE ME<br>ASPHALT (BASE)   | CH 18 IN   |                | 116<br>  13                         |  | _   |                   | S   | С    |                  | -                   | 3.1 <br>  3.1        |            |
|                   | ļ                    | X202011                             | MACH DIG TRENCH<br>TRAFFIC BEARING<br>ASPHALT, COLD M   | STEEL PLATE                                      |                |                                     | EA  <br>  TN                               |     | c                 | ī   | с    |                  | С-ВС<br> С-ВН       | 5.2 <br>5.2 <br>10.4 |            |
|                   | REM-3                |                                     | TRENCH SPOIL 3 F<br>DUMPING FEE   | I DEPTH  |                | <br>  130<br>  33                   | [ FT                                       | С   |                   |     | с    |                  | <br> CDT<br>        | 11.4 <br>  [         |            |
|                   |                      | 656400                              | BACKFILL SLURRY 1<br>SLURRY MIX, 1 S  |  |                | 390<br>  22                         |  |     | i c i             |     | С    | G7409            | 3-WF3<br>           | 0.81                 |            |
| [ – N [<br>[<br>] | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SA<br>CONDUIT DB 3 IN<br>SPACER INTERMED<br>1 IN BASE SPACE | CK (GRAVEL MIX<br>20 FT LENGTH<br>IATE 5 IN 2-WA | ()             | 130<br>  3<br>  130<br>  22<br>  22 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | С   | 0<br>0<br>0<br>0  |     | c    | 3376.1           | 3-WF3<br> <br> <br> |                      |            |
| -N                | 1                    | 322048                              | 1-3 IN DB 90 D 36<br>BEND CONDUIT DB<br>SLURRY MIX, 1 S.                                      | 3 IN 90 D 36                                     |                | 2<br>  2                            |  | С   | [<br>[ C  <br>[ C |     | Ċ    | 3373.2           | 3-WF3<br>           |                      |            |
| -N                | <br>  LN-S/U         |                                     | TC-LANE CLOSURE U   | RBAN STREET                                      |                | 1                                   | [<br> EA]                                  | с   |                   | S   | с    |                  | 1<br> TC3           | 1.0                  |            |
| -N                | <br> LN/S/S          |                                     | LANE CLOSURE URBA   | N ST (STREET F                                   | REPAIR)        | 1                                   | EA   | с   |                   | S   | с    |                  | ]<br>]TC4           | 1.0                  |            |
| <br> -N           | <br>  PLANTU         | 1 1<br>1 1                          | REMOVE/REPLACE LA   | NDSCAPING  |                | <br>  10                            | I I<br>[FT]                                | ç   | 1                 | I S | С    | <br>             | <br> 3-WF3          | 1.0                  |            |

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Block 7G2 UUP Attachment E – Technical Specifications

| ROJECT: 25         | 3568 8               | JOB:01                                     | SAN DIEGO GAS AND EI<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | C&C JOB                       | 1  |       |        |            | ŝ             | STATUS: AC           | T WO                    | RK ORDE             | R: 2960700   |
|--------------------|----------------------|--|--|-------------------------------|--|-------|--------|------------|---------------|----------------------|-------------------------|---------------------|--------------|
|                    |                      |  | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                           |  |       |        |            |               |                      |                         |                     |              |
| CATION: 3          | 61 SHEI              | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                               |  |       |        |            | PHOI          | NE: 999-99           | 199                     | LOCATIO             | ON 361 OF 58 |
| NRK <br>F-C MU ID  | <br> AU ID           | ]  <br> stock#                             |  | [ QTY<br>[ RQD                | UM   | RSP   | RSP    | TRT        | TRT           |                      | TYPE                    | HOURS               |              |
| I-N                | 3'HD-A               | 1 1  | HAND DIG TRENCH 3 FT DEEP AVE  | 1 16                          | FT   | i c i |        | is         | i c i         | G7453                | 13-WF3                  | 6.31                |              |
| E-N                |                      | i [<br>i t                                 |  | 16<br>                        | FT  <br>                                   |       |        | S          | ICI<br>I      | ĺ                    | 3-WF3<br> C-BC          | 0.2]<br>  0.2]      |              |
| I-N <br> <br>      | SHD-12<br> <br>      | <br> 611492 <br>                           |  | 16<br>1 1<br>1                | TN  <br>                                   | С     | ¢      | S          | C<br> <br>    | i                    | 3-WF3<br> C-BH<br> C-DT |                     | · · · ·      |
| I-NI<br>I          | 1                    | i i  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | j 16<br>  16                  | ET  <br>  FT                               |       | с      | i s<br>1   |               | 3373.1<br>           | <br> 3-WF3<br> <br>     | 0.2                 |              |
| [-N]               | R-XCES               | i i  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 16<br>  2                     | FT<br>CY                                   | c     | с      | S<br>      | C<br> <br>    |                      | C-DT                    | 0.4                 |              |
| <u></u>            | PLANTU               | i i  | REMOVE/REPLACE LANDSCAPING   | i 12                          | FT   | с     |        | S          | 1 C 1         | 1                    | 3-WF3                   | 1.2                 |              |
| -N!                |                      | i i  | CONCRETE 2 SAW CUT AND BREAK MECH  | 1 4                           | [ FT                                       | С     |        | s          | C             | 1                    | SR3AS                   | 0.2                 |              |
| [-N]               |                      | i i  | FINISH CONCRETE SURFACE MAN 12 IN  |                               | • •  | с     |        | S          |               | 1                    |                         | i i                 |              |
| [-N]<br> <br>      | BH03XH<br> <br>      | <br> X20201                                | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 4<br>  1                      | EA  <br>  TN                               |       | С<br>С | S<br> <br> | i c<br>I<br>I | G7453<br> <br>       | C-BC<br> C-BH<br> 3SWF4 | 0.20<br>0.20<br>0.4 |              |
| [-N]               | ] REM-3 '            | X30007                                     | DUMPING FEE  | i 5<br>i 2                    | FT  <br>  CY                               | С     | С      | S<br>      |               | <br>                 | C-DT                    |                     |              |
| [−N [              | SLR-18<br>           | <br>   <br> 656400 <br>                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 15<br>  1                     | [FT]                                       |       | С      | S<br>      | 1             | G7409<br>            |                         | i [                 |              |
| 2-N <br> <br> <br> | 1EB3IN<br> <br> <br> | 248201 <br> 249664 <br> 263528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 5<br>  1<br>  5<br>  1<br>  1 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | C     | 000    | S<br> <br> |               | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>     |                     |              |
|                    | 1-3SL8<br> <br>      | 656400                                     | 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | ) 1<br>  1<br>  1             | CY   |       | c<br>c |            |               | 1                    | 3-WF3<br> <br>          | 1                   |              |
|                    | LN-S/U               |  | TC-LANE CLOSURE URBAN STREET<br>LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                             | EA   | с     |        | <br>  \$   | I C           | 1<br> <br>1          | TC3                     | 1.0                 |              |
| <br>[-N            | <br> LN/S/S          | י ז<br>  נ                                 | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1 1                           | EA   | с     |        | 1<br>  S   | I C           | l<br>I               | <br>  TC4               | :<br>: 1.0          |              |

a) so the second measurement of the second s second sec

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## SEE SHT 5

CONSTRUCTION NOTES

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| DP001EM2-LO0<br>09/05/17 11 | :36           | 91           |                  |          |         |           |           | GAS ANI<br>REVIEW |           |          |            |       |         |      |              |                  |             | P            | AGE NO  | 402   |
|-----------------------------|---------------|--------------|------------------|----------|---------|-----------|-----------|-------------------|-----------|----------|------------|-------|---------|------|--------------|------------------|-------------|--------------|---------|-------|
| PROJECT: 25                 | 3568          | JOB:01       | REV:0            | TYPE:    | UD 1    | NAME: R   | OLANDO    | BLK 7G2           | 2 -T&     | С ЈОВ    | 1          |       |         |      |              | STATUS: AC       | T WOI       | RK ORDE      | R: 2960 | 700   |
| DESIĠN: 01                  | NAME          | : ROLANE     |                  | 2 T&C JO | в 1     |           |           | STATU             | JS: A     | СТ       |            |       |         |      |              |                  |             |              |         |       |
| LOCATION: 3                 |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      | PHON         | VE: 999-99       | 999 1       | LOCATIO      | N 362 O | F 587 |
| WRK <br> F-C MU ID          | AU ID         | STOCK#       |                  | DESCRIPÏ | ION/CO1 | NSTRUCT   | 'ION NO'  | TES               | i         | RQD      | ] UM [     | RSP   | RSP     | TRT  | TÄT          | STANDARD<br>PAGE | TYPE        | HOURS        |         |       |
| 1                           | 330926<br>    | <br> 1626901 | HAND H<br>QUAZ   |          |         |           | 26"       |                   |           | 1<br>1   | EA]        | С     |         | S    | с            | 3309.2           | ]3SWF3      | 0.8          |         |       |
| I-N <br>[                   | X09H26<br>    | 162690       | INSTAL<br>QUAZ   | ITE BOX  | 37"X26' | "26"      |           |                   | <br> <br> | 1<br>1   | EA <br> EA | С     | <br>  C | 5    | l            | 3309.2           |             | 0.8 <br>     |         |       |
| I-N <br>                    | 1             | 322048       | 1-3 IN<br>  BEND | CONDUIT  | DB 3 1  | IN 90 E   | ) 36 IN   | Y ENC<br>R        | 1         | 5<br>5   | EA [       | С     | <br>  C | S    | 1            | 3373.2           | i3–WF3<br>I | 0.3          |         |       |
| I-N∣                        | i<br>  plantu |              | SLUR<br>REMOVE   |          |         |           |           |                   | 1         |          | 1 1        |       | [ ]     |      | <br> <br>  C |                  | i           |              |         |       |
| WORK FAC                    |               |              |                  |          | NIEW W  | <b></b> - |           |                   |           |          | <b>-</b>   | 'ONS' | TRUC    | PTON | NOT          |                  |             |              |         |       |
| FUNC CODE                   | DESC          |              | EXIS             | T TAS    | NEW 11  | AG        |           |                   | SEE       | SHT 9    |            | .040. |         |      | NOI.         | 20               |             |              |         |       |
|                             |               |              |                  |          |         |           |           | <b>-</b>          |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           | <u> </u> |            |       |         |      | <u> </u>     | -                |             |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  | _           |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              | <b>.</b>         |          | ·       |           |           |                   |           |          |            |       |         |      |              |                  | -           |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
| -                           |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         | ,         |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           | ~_        |                   |           |          |            |       |         |      |              |                  |             | <del>_</del> |         |       |
|                             |               |              |                  |          |         |           |           |                   |           | •••      |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           |           | <u> </u>          |           |          |            |       |         |      | -            |                  |             |              |         |       |
|                             |               |              | ·                |          |         |           | • • • • • |                   |           |          |            |       |         |      |              |                  |             |              | · · ·   |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |
|                             |               |              |                  |          |         |           |           |                   |           |          |            |       |         |      |              |                  |             |              |         |       |

| ROJECT: 25     |                           |                                     | REV:0 TYPE: UD   |   |            |                                     |  |     |     |                | ş   | STATUS: AC           | T WOH                     | K ORDE              | R: 2960700   |
|----------------|---------------------------|-------------------------------------|--|---|------------|-------------------------------------|--|-----|-----|----------------|-----|----------------------|---------------------------|---------------------|--------------|
|                |                           |                                     | ) BLK 7G2 T&C JOB 1  |   |            |                                     |  |     |     |                |     |                      |                           |                     |              |
|                |                           |                                     | DISTRICT: CM DESIG   |   |            |                                     |  |     |     |                |     |                      |                           |                     |              |
|                | 03 SHE                    |                                     | DESTRICT: CM DESIG   | ENED BY: GEORGE                               | BUNNER     |                                     |  |     |     |                |     | NE: 999-99           |                           |                     | N 363 OF 587 |
| F-C MU ID      |                           | STOCK#                              | DESCRIPTION/C  |   | res        | RQD                                 | UM   | RSP | RSP | TRT            | TRT | STANDARD             | TYPE                      | HOURS               |              |
| T-N            | 3'HD-A                    | ( I                                 | HAND DIG TRENCH 3  | FT DEEP AVE                                   |            | 20                                  | FT!  | C   |     | 5              | с   | G7453                | [3-WF3]                   | 7.7                 |              |
| I-N            | 1                         | i i<br>1 i                          | BACKFILL TRENCH 3 H  | FOOT DEEP                                     |            | l<br>l 20<br>l                      | ET  <br>  ET  <br>  _ ]                    | С   |     | S I            | C   | <br>[<br>[           | 3-WF3<br> C-BC            | 0.3                 |              |
|                | <br> SHD-12<br>           | i  <br>]                            | SHADE TRENCH WITH S<br>SAND, FILL RECYC  |   |            | 2                                   | ]<br>  FT ]<br>  TN ]                      | i   | с   | S              | С   | ſ                    | C-BH                      | 0.1 <br>0.1 <br>0.1 |              |
| 1-N <br>       | i.                        | 1<br>12496641                       | 1-3 IN DB CONDUIT S<br>CONDUIT DB 3 IN 2   |   |            | 20                                  | FT   | ļ   | С   | S  <br>        | С   | <br> 3373.1<br>      | <br> 3-wf3<br>            | 0.3                 |              |
| I-N            | R-XCES<br>                | X30007[                             | EXCESS TRENCH SPOID<br>DUMPING FEE   | L (12 IN DEEP)                                |            | 1 20<br>1 2                         | FT  <br>  CY                               | С   | с   | S              | С   | l                    | ]<br>] <b>C-</b> DT<br>]  | 0.5                 |              |
| I-N            | PLANTU                    |                                     | REMOVE/REPLACE LANI  | DŚCAPING                                      |            | i 15                                |  | С   |     | SI             | С   | 1                    | <br> 3-WF3                | 1.5                 |              |
| I-N            | <br> CC-2CT               | i i                                 | CONCRETE 2 SAW CUT   | AND BREAK MECH                                | н          | 1 5                                 | FT   | С   |     | <br>  S        | С   | 1                    |                           | 0.2                 |              |
| l<br>I−N[      | ।<br> CF-स12              | i i                                 | FINISH CONCRETE SUR  | RFACE MAN 12                                  | IN         | i 5                                 | FT   | с   |     | <br>  S        | С   | ]                    | <br>  SR3CS               | i i,                |              |
| [<br>ī-n[      |                           | i i                                 | ASPHALT 2 SAW CUT  | AND BREAK MECH                                | H          | 43                                  | [ FT                                       | с   |     | 1<br>  S 1     | С   | İ                    | <br>  SR3AS               | 1.1                 |              |
|                | Í                         | <br> 114201                         | ASPHALT BASE MECH<br>ASPHALT (BASE)  | 4 18 IN                                       |            | 43<br>  5                           | FT  <br>  TN                               | -   | с   | <br>  S   <br> | С   | ]<br>                | SR4AL                     | 1.21<br>1.21        |              |
| I N  <br> <br> | BH03XH<br> <br>           | X20201                              | MACH DIG TRENCH 3<br>TRAFFIC BEARING S   | STEEL PLATE                                   | 3          | 73<br>  55<br>  1                   | FT  <br>  EA  <br>  TN                     | C . | C   | <br>           | С   | G7453<br>            | C-BC<br>  C-BH<br>  3SWF4 | 2.9 <br>5.8         |              |
| I-N <br>[      | REM-3 '<br>               | X300071                             | TRENCH SPOIL 3 FT<br>DUMPING FEE   | DEPTH   |            | 73<br>  19                          | FT  <br>  CY                               | C . | c   | Í              | С   | 3                    | C-DT                      | i 1                 |              |
| I-N [<br>[     | SLR-18                    |                                     | BACXFILL SLURRY 18<br>SLURRY MIX, 1 SAG  |   |            | i 48<br>1 3                         |  | С   |     |                | С   | G7409                | <br> 3-WF3<br>            | 0.1                 | . <u> </u>   |
| I-N[<br>[<br>[ | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 2496641<br> 663528 | 1-3 IN EB CONDUIT C<br>CONCRETE - 2 SACH<br>CONDUIT DB 3 IN 2<br>SPACER INTERMEDIA<br>1 IN BASE SPACER | ( (GRAVEL MIX)<br>20 FT LENGTH                |            | 219<br>  5<br>  219<br>  37<br>  37 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | C   |     |                | С   | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>       | 3.1                 |              |
| I-N <br> <br>  | 1-3SLB<br>                | <br> 322048                         | 1-3 IN DB 90 D 36 I<br>BEND CONDUIT DB 3<br>SLURRY MIX, 1 SAC  | IN R BEND SLURR<br>3 IN 90 D 36 IN<br>CK SAND | Y ENC<br>R | 1 2<br>1 2                          | <br> EA <br> EA]<br> CY]                   | C   | С   | S              | С   | <br> 3373.2<br>      | <br> 3-WF3<br> <br>       | 0.1                 |              |
| <br>I-N        |                           | 1 [                                 | TC-LANE CLOSURE UR   | AN CODEED                                     |            | -                                   | 1  | c   |     |                | c   | [<br>                | 1                         |                     |              |

| /05/17 11:            |            |        |               |          |       | DPSS    | AN DIEG<br>- DESIG | N REVIE      | W COPY   | - DETZ  |           |             |          |        |        |            |                         | GE NO 404    |
|-----------------------|------------|--------|---------------|----------|-------|---------|--------------------|--------------|----------|---------|-----------|-------------|----------|--------|--------|------------|-------------------------|--------------|
| ROJECT: 253           |            |        | REV:0         | TYPE     | : VD  | NAME:   | ROLAND             | 0 BLK 7      | G2 — T&C | . JOB 1 |           |             |          |        |        | T WO       | RK ORDER                | : 2960700    |
| SIGN: 01              | NAME :     | ROLAN  | DÖ BLK 70     | G2 T&C J | ЮВ 1  |         |                    |              | TUS: AC  |         |           |             |          |        |        |            |                         |              |
| CATION: 3             |            | ST: 02 | DISTRICT      |          |       |         |                    |              |          |         |           |             | F        | HONE : | 999-99 | 99         | LOCATION                | 1 363 OF 581 |
| RK <br>C MU ID        | <br> AU ID | STOCK# |               | DESCRII  | TION/ | CONSTRU | CTION N            | OTES         | 1        | ROD 10  | M RSP     | RSPIT       | RT   I   | RT     | PAGE   | TYPE       | EST  <br> HOURS <br>++- | <b></b>      |
| -N                    | I          |        | i<br>  LANE ( |          |       |         |                    |              | 1        | <br>1 E | i<br>A  C | 1 I.        | 1<br>S 1 | с 1    |        | [<br>  TC4 | <br>  1.0 _             |              |
| -N                    |            |        | I REMOVE      | E/REPLAC | E LAN | DSCAPIN | G                  |              |          | 10 1    |           |             |          |        |        | 13-WF3     | 1.0 _                   |              |
| VORK FAC<br>FUNC CODE |            |        | EXIS          | ST TAG   | NEW   | TAG     |                    |              |          |         | CONS      | TRUCTI      | ION N    | IOTES  |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              | SEE :    | SHT 5,9 |           |             |          |        |        |            |                         | <b></b> .    |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        | ·             |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         | <u>.</u> .   |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    | <del>.</del> |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         | <u></u>            |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          | _     |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         | <u></u>      |
| _                     |            |        |               |          |       |         |                    |              |          |         |           |             |          | -      |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          | -       |           | <del></del> |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       | ,       |                    |              |          |         |           |             |          |        |        |            |                         |              |
|                       |            |        |               |          |       |         |                    |              |          |         |           |             |          |        |        |            |                         |              |

| DJECT: 25      |                           |   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB                | 1  |     |                  |                |     | STATUS: AC     |                                 |                   | CR: 2960700  |
|----------------|---------------------------|---|---|------------------------|--|-----|------------------|----------------|-----|----------------|---------------------------------|-------------------|--------------|
| SIGN: 01       | NAME :                    | ROLAND  | O BLK 7G2 T&C JOB 1 STATUS:   |                        |  |     |                  |                |     |                |                                 |                   |              |
|                |                           |   | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                        |  |     |                  |                | PHÒ | NE: 999-99     | 999 :                           | LOCATIO           | ON 364 OF 58 |
| -CIMU ID       | <br> AU ID                | STOCK#1   | DESCRIPTION/CONSTRUCTION NOTES  | 1 RQD                  | UM   | RSP | RSP              | TRT            | TRT | STANDARD       | TYPE                            | HOURS             |              |
| E-N            | 3'HD-A                    | {   | HAND DIG TRENCH 3 FT DEEP AVE   |                        | FT   |     | i i              | I S I          | с   | G7453          | 3-WF3                           | 8.4               |              |
| E-N <br>       | BKF-3 '<br>               |   | BACKFILL TRENCH 3 FOOT DEEP   |                        | FT  <br>                                   | с   |                  | S  <br>        | с   | 1              | 3-WF3<br>  C-BC                 | 0.3               |              |
| [-N]<br>[<br>[ | t<br>E                    | <br> 611492 <br>                                | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED         | 2                      | FT  <br>  TN  <br>                         |     | <br> <br>  C<br> |                | С   | G7405<br> <br> | <br>  3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1<br>0.1 |              |
| [N ]<br>       | 11DB3-S                   |   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                 | 22                     | <br>[FT <br>[FT                            | -   | <br> <br>  C     | 1              |     | 3373.1         |                                 | 0.3               | l            |
| [-N]<br> <br>  | ]R-XCES<br>]              | i i   | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | 22                     | <br> FT <br> CY                            | Ċ   | C                | S  <br>  S     | с   |                | C-DT<br> <br>                   | 0.6               |              |
| IN             | PLANTU                    | i i   | REMOVE/REPLACE LANDSCAPING  | 17                     | ] FT                                       | С   |                  | S              | с   | i              | 3-WF3                           | 1.7               | ·            |
| -N             | CC-2CT                    | i i   | CONCRETE 2 SAW CUT AND BREAK MECH   | 5                      | ] []<br>] FT [                             | C   | 1                |                | С   | Ì              | <br>  SR3AS<br>                 | 0.2               |              |
| I-N            | CF-H12                    | i i   | FINISH CONCRETE SURFACE MAN 12 IN   |                        | ] [<br>]FT[                                |     |                  | S              | с   | i              | I SR3CS                         | i i               |              |
|                | l<br>I                    | !X20201 <br>!114215                             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | 5                      | FT  <br>  EA  <br>  TN                     |     |                  | S<br>          | с   | G7453          | [<br>[C-BC<br>[C-BH<br>[3SWF4   | 0.2               |              |
| [-N            | REM-3'<br>                | (X30007   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                        | <br> FT <br> CY                            |     | <br> <br>  C     | t<br>  S  <br> | с   | l<br> <br>     | C-DT                            | 0.5               |              |
| L-N <br>       | SLR-18                    |   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    |                        | FT <br> CY                                 |     | <br>  C          |                |     | G7409          | <br> 3-WF3<br>                  |                   |              |
|                | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)                          | 1<br>  6<br>  2<br>  2 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA |     |                  |                |     | <br> <br>      | (3-wf3<br> <br> <br> <br>       | 0.1 <br> <br>     |              |
| ]<br>[-N]      | ]<br>]LN-S/U              | i i   | TC-LANE CLOSURE URBAN STREET  | 1                      | [<br>  EA                                  | С   | <br>             | ្ទ             | с   | i              | I<br>I TC3                      | 1.0               |              |
| I-N ]          | l<br> LN/S/S              | i i   | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1 1                    | i<br> EA                                   | С   |                  | S              |     | Ì              | <br>  TC4                       | 1.0               |              |
| (<br>_N        | <br>  PLANTU              |   | REMOVE/REPLACE LANDSCAPING  |                        | <br>  FT                                   |     |                  | <br>  S        | l C |                | <br> 3-WF3                      |                   |              |

#### CONSTRUCTION NOTES

| ROJECT: 25             | 3568                      |  |   | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW<br>NAME: ROLANDO BLK 7G2 |                          | 1                          |      |            |             |                      | STATUS: AC           | T WO                    | RK ORDE                 | R: 2960700 |
|------------------------|---------------------------|--|---|--|--------------------------|----------------------------|------|------------|-------------|----------------------|----------------------|-------------------------|-------------------------|------------|
|                        | NAME                      | : ROLANE                                   | O BLK 7G2 T&C JOB 1                                       |  | IS: ACT                  |                            |      |            |             |                      |                      |                         |                         |            |
| CATION: 3              |                           |  |   | SNED BY: GEORGE BONNER   | <b></b>                  |                            |      |            |             | PHO                  | NE: 999-99           | 99                      | LOCATIO                 | N 365 OF 5 |
| VRK)<br>7-C MU ID      | AU ID                     | ISTOCK#I                                   | DESCRIPTION/  | CONSTRUCTION NOTES   | RQD                      | UM                         | RSP  | RSP        | TRT         | TRT                  | STANDARD<br>  PAGE   | TYPĖ                    | HOURS                   |            |
| -N                     | AS-2CT                    | 1 1  | ASPHALT 2 SAW CUT   | ÀND BREAK MECH   | 26                       | FT                         | С    | ] ]<br>1 1 | S           | c                    |                      | SR3AS                   | 0.7                     |            |
| <b>-</b> N             | AB-M18<br>                | [<br> 114201                               | ASPHALT BASE MECI<br>ASPHALT (BASE)                       | 4 18 IN  | 26                       | FT                         | ¢    |            | S           | C                    | T                    | C-BC<br> SR4AL          |                         |            |
| I-NI<br>1<br>1         | BHO3XH                    | X20201                                     | MACH DIG TRENCH 3<br>TRAFFIC BEARING 3<br>ASPHALT COLD MU | STEEL PLATE  | 33<br>  25<br>  1        | FT<br> EA<br> TN           |      |            | l S         | C<br> <br>           | 1G7453<br>1<br>      | C-BC<br> C-BH<br> 3SWF4 | 1.3 <br>  1.3 <br>  2.6 |            |
| [ <b>-N</b> ]          | REM-3'<br>                | <br> X30007                                | TRENCH SPOIL 3 FT<br>DUMPING FEE                          | DEPTH  | i 33<br>I 9              | FT                         | i c  | <br>  C    | S<br>       | i C                  | 1                    | C-DT                    | 2.9[<br>                |            |
|                        | SLR-18<br>]               | 656400                                     | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                    | IN WIDE X 12 IN DEEP<br>CK SAND                                    | i 99<br>I 6              | FT                         | i c  | i          | S           | i c                  | G7409                | 3-WF3                   | 0.21                    |            |
| <br> -N <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT   | K (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY                   | 33<br>  1<br>  33<br>  6 | FT<br>  CY<br>  FT<br>  EA |      |            | [<br>]<br>] | C<br> <br> <br> <br> | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>     | 0.5                     |            |
| 1<br>-N                | ILN-S/U                   |  | TC-LANE CLOSURE UR  | BAN STREET   | i 1                      | EA                         | i c  | 1          | S           | i C                  | Ì                    | TC3                     | 1.0 <br>  1.0           |            |
| [-N]                   | <br> LN/S/S               | i i  | LANE CLOSURE URBAN  | ST (STREET REPAIR)   | i 1                      |                            | i c  | i –        | S<br>       | i C                  | 1                    | [TC4                    | 1 1.01                  |            |
| [-N]                   |                           | [<br> 114215                               | ASPHALT, COLD MI  | DNS STREET CROSSINGS<br>K  | i 1<br>i 1               | FT                         | 1    | i          | S<br>       | i c<br>I             | 1                    | 1 TC4                   | 0.1                     |            |
| I-N]                   | XING/S                    |  |   | G LANE) STREET REPAIR  | i 1                      |                            | ic   | i          | S           | i C                  | İ                    | TC4                     |                         |            |
| [ <b>-N</b> ]          |                           | i  | SAW CUT CONCRETE  |  | į 10                     | ) FT                       | i c  | i –        | s I         | i c                  | İ                    |                         | 1.5                     |            |
| I-N <br>               | <br> CC-WLK<br>           |  | CONCRETE SIDEWALK<br>CONCRETE - 6 SAC                     | SECTION (5X5) FINISHED<br>K (3/4" ROCK MIX)                        | į 1                      | EA                         | j C  | i i        | S           | i c                  | i                    | SR3CS                   | 1.0                     | •          |
| WORK FAG               |                           |  | EXIST TAG NEW   |  |                          |                            | CONS | TRUC       | TION        | NOT                  | ES                   |                         |                         |            |
|                        |                           |  |   |  | SEE SHT 9                | )                          |      |            |             |                      |                      |                         |                         |            |

| 9/05/17                         |                         |   |  |  | • • • • •                       |                          |            |            |                |                 |                 |                               |                   |              |
|---------------------------------|-------------------------|---|--|--|---------------------------------|--------------------------|------------|------------|----------------|-----------------|-----------------|-------------------------------|-------------------|--------------|
|                                 |                         |   |  | NAME: ROLANDO BLK 7G                                 |                                 |                          |            |            |                |                 | STATUS: AC      | T WOR                         | RK ORDE           | R: 2960700   |
| ESIGN: C                        |                         |   | ) BLK 7G2 T&C JOB 1  | STAT   | US: ACT<br>                     |                          |            |            |                |                 |                 |                               |                   |              |
|                                 |                         |   |  | GNED BY: GEORGE BONNER                               |                                 |                          |            |            |                |                 | NE: 999-99      |                               |                   | N 366 OF 587 |
| WRK<br>F-C[MU I                 | <br>D [AU ID  S         | I<br>STOCK#                             | DESCRIPTION/   | CONSTRUCTION NOTES                                   | QTY<br>  RQD                    | <br> UM                  | WRK        | MAT<br>RSP | TIM            | ACC<br>TRT      | STANDARD        | CREW<br>  TYPE                | EST  <br>HOURS    |              |
| I-N!                            |                         |   |  | FI DEEP AVE  | 20                              | (FT)                     | С          |            | SI             | C               | G7453           | 3-WF3                         | 7.7               |              |
| ]<br>I-N <br>                   | BKF-3'  <br>]           | i                                       | BACKFILL TRENCH 3 1  | FOOT DEEP  | 20                              | FT                       |            |            | S              | С               | i<br>I<br>I     | 3-WF3<br> C-BC                | 0.3               |              |
| I – N  <br> <br>                | 16                      |   | SAND, FILL RECY  | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED         | 2                               | FT [<br>  FT [<br>  TN ] |            | с          | S  <br>   <br> | С               | G7405<br> <br>  | [<br> 3-WF3<br> C-BH<br> C-DT | 0.1<br>0.1<br>0.1 |              |
| I-N <br>[                       | 1 12                    | 496641                                  | 1-3 IN DB CONDUIT :<br>CONDUIT DB 3 IN :                                       |  | 1 20                            | FT                       |            | С          | S              | С               | (3373.1<br>     | <br> 3-₩F3<br> <br>           | 0.3               |              |
| ī-n[<br>[                       | R-XCES <br>  X          | 300071                                  | EXCESS TRENCH SPOI<br>DUMPING FEE  | L (12 IN DEEP)                                       | 20                              | CY                       | С          |            | S  <br>        | c               | 1               | IC-DT                         | 0.5               |              |
| [<br>I-N[                       | CC-2CT                  |   | CONCRETE 2 SAW CUT   | AND BREAK MECH                                       | i 20                            |                          | c          |            |                | c               | l .             | SR3AS                         | 0.8               |              |
| I-N!                            | CF-H12                  | Í                                       | FINISH CONCRETE SU   | RFACE MAN 12 IN                                      | 20                              | [FT]                     | с          |            | S              | с               | 1               | <br> SR3CS                    | 0.1               |              |
| 1<br>I-N1                       |                         | i.                                      | ASPHALT 2 SAW CUT  | AND BREAK MECH                                       | 25                              | FT                       | с          |            | S              | i c             | İ               | <br>  SR3AS                   | 0.7               |              |
| I-N                             | [1                      | [<br>14201]                             | ASPHALT BASE MEC<br>ASPHALT (BASE)   | H 18 IN  | 25<br>  3                       | FT  <br>  TN             | с          | с          | S  <br>  S     | i c             | 1               | <br> C-BC<br> SR4AL<br>       | 0.7               |              |
| I – N  <br> <br>                | BH03XH <br>   X<br>   1 | 20201)<br>14215)                        | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI                       | STEÈL PLATE  | 36<br>  27<br>  1               | <br> FT <br> EA<br> TN   | c          | i<br>c     | 1<br>          | i c             | I<br>I          | IC-BC<br>IC-BH<br>I3SWF4      | 1.4<br>1.4<br>2.9 |              |
| I-N                             | REM-3'!<br>  {}         | 30007                                   | TRENCH SPOIL 3 FT<br>DUMPING FEE   | DEPTH  | į 36                            | FT                       | С          | [          | [ S            | C               | l               | IC-DT                         | 3.2               |              |
| I-N <br>                        | 6                       | <br>556400                              | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA   | IN WIDE X 12 IN DEEP<br>CK SAND                      | 108<br>  7                      | FT <br> CY               | I C        | с          | [5 <br>        | C<br>           | G7409<br>       | <br> 3-WF3<br>                | 0.2               |              |
| X-N<br> <br>   <br>   <br> <br> | 1EB3IN <br>   2<br>   2 | 248201 <br>249664 <br>563528 <br>563530 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN 3<br>SPACER INTERMEDI | K (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY     | 36<br>  1<br>  36<br>  7<br>  7 | FT                       |            |            | [  <br>        | C<br> <br> <br> | 3376.1          | <br> 3-WF3<br> <br> <br> <br> | 0.5               |              |
| I-N                             | 1-3SLB <br>   3<br>   6 | ]<br>322048[<br>556400[                 | BEND CONDUIT DB<br>SLURRY MIX, 1 SA  | IN R BEND SLURRY ENC<br>3 IN 90 D 36 IN R<br>CK SAND | 2<br>  2<br>  1                 |                          | C<br> <br> |            | I              | i c<br>l        | 3373.2<br> <br> | 13-WF3                        | 0.1               |              |
| I-N                             | LN-\$/U                 | -                                       | TC-LANE CLOSURE UR   | BAN STREET   | i 1                             | EA                       | i C        |            | I S            | <br>  C         | i i             | TC3                           | 1.0               |              |
| I-N                             | <br> LN/S/S]            |   | LANE CLOSURE URBAN   | ST (STREET REPAIR)                                   |                                 | <br> EA                  | <br>[ C    |            | I S            | ι<br>  C        | •               | ]<br>]TC4                     |                   |              |

|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         | 2. 2060200 |
|---------------------|-------------|-------|----------|-------|--------|----------|--------|--------|-------|-------|------|-------|----|---------|-------|-------------|----------------|------------------|---------------|---------|------------|
| ROJECT: 2           | 53568       |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         | R: 2960700 |
| ESIGN: 01           |             |       |          |       |        |          |        |        |       |       | TUS: |       |    |         |       |             |                |                  |               |         |            |
| CATION:             |             |       |          | RICT: | CM     | DESI     | GNED E | BY: ĠI | EORGE | BONNE |      |       |    |         |       |             | PHON           | Z: 999-9         | 999           | LOCATIO | N 366 OF 5 |
| WRK <br>F-C MU ID   | AU ID       | STOCK | 1<br>#1  | DE    | SCRIP' | TION/    | CONSTR | NCTI   | on no | TES   |      | RQD   | UM | RSP     | RSP1  | TIM <br>TRT | ACC   :<br>TRT | STANDARD<br>PAGE | CREW<br> TYPE | HOURS   |            |
| <br>[<br>[_N        | <br>  PLANT | 1     | 1        |       |        |          |        |        |       |       |      | l     | 1  |         |       | 1           | c              |                  | <br> 3-WF3    | 1 1.0   |            |
| NORK FA<br>FUNC COD | с           |       |          | XIST  | TAG    | NEW      | TAG    |        |       |       |      |       |    | CÓNS    | TRUCT | ION         | NOTE           |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      | SHT 9 | )  |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
| <i></i>             |             |       |          |       |        |          |        |        |       |       |      |       |    | • -     |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
| . <u> </u>          |             |       |          |       | ,      |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    | <u></u> |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       | -           |                |                  |               |         |            |
|                     |             |       | <u> </u> |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          | •      |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  | ·             |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       | -,          |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        | <u>.</u> |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      |       |    |         |       |             |                |                  |               |         |            |
|                     |             |       |          |       |        |          |        |        |       |       |      | ·     |    |         |       |             |                |                  |               |         |            |

| ROJECT: 25            | 3568 0               | JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO E   | 3LK 7G2 -T&C JO             | B 1                                  |                              |          |                 | 5               | STATUS: AC           | CT WO                    | RK ORDE                  | R: 2960700   |
|-----------------------|----------------------|--------------------------------|--|-----------------------------|--------------------------------------|------------------------------|----------|-----------------|-----------------|----------------------|--------------------------|--------------------------|--------------|
| ESIGN: 01             | NAME                 | ROLAND                         | D BLK 7G2 T&C JOB 1  | STATUS: ACT                 |                                      |                              |          |                 |                 |                      |                          |                          |              |
|                       |                      |                                | DISTRICT: CM DESIGNED BY: GEORGE F   |                             |                                      |                              |          |                 | PHO             | NE: 999-99           | 999 1                    | LOCATIO                  | N 367 OF 587 |
| F-C MU ID             | <br> AU ID           | STOCK#                         | DESCRIPTION/CONSTRUCTION NOTE  | ES   RQE                    | UM                                   | RSP                          | RSP      | TRT             | TRT             |                      | TYPE                     | HOURS                    |              |
| I-N                   | AS-2CT               |                                | ASPHALT 2 SAW CUT AND BREAK MECH   | 17                          | 3   FT                               | i c                          |          | S               | c               | · -                  | SR3AS                    | 4.5                      |              |
| I-N<br>I              | ABM24                | <br> 114201                    | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | [ 17                        | 3 FT<br>7 TN                         | ic                           | l<br>L C | S               | с               |                      | SR-3A<br> <br>           | 4.7                      |              |
| I-N <br> <br>         | BH04XH<br> <br>      | x20201 <br> 114215             | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 17                          | 8   FT<br>8   EA<br>2   TN           | ri ¢<br>J<br>∏               |          | \$              | C               | [G7453<br> <br>      | IC-BC<br>IC-BH<br>I3SWF4 | 8.9 <br>  8.9 <br>  17.8 |              |
| i                     | REM-4 '              | X300071                        | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | ]<br>  17<br>  6            | 8 FT<br>1 CY                         | i c<br>I                     | 1<br>  C | S  <br>         |                 | l<br>l               | 1                        | 21.4 <br>                |              |
| I-N!                  | SLR-24               | 656400                         | BACKFILL SLURRY 24 IN WIDE X 12 IN<br>SLURRY MIX, 1 SACK SAND  | 4                           | 0 CY                                 | i c                          | <br>  C  | S               | с               | G7409                | i.                       | 1.6                      |              |
| 1<br>1<br> <br>       | 1EB3IN<br> <br> <br> | 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 9<br> <br>  9<br>  1<br>  1 | 2   CY<br>8   FT<br>7   EA<br>7   EA | i c<br>I<br>I<br>I<br>I<br>I | 0000     | S<br> <br> <br> | Ċ<br> <br> <br> | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>      | 1  <br>1  <br>1          |              |
| i                     | İ.                   | 322144                         | 1-3 IN DB 22.5 D 25 FT R SLURRY ENC<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT<br>SLURRY MIX, 1 SACK SAND  | CASED  <br>FR  <br>         | 8   EA<br>2   CY                     |                              |          | S<br> <br>      | с               | 3373.2<br> <br>      | 3-WF3<br> <br>           | <br>  [                  |              |
| I-N                   | XING-U               | <br> 114215                    | TC-TRAFFIC CONDITIONS STREET CROSSI<br>ASPHALT, COLD MIX   | INGS                        | 1   TN                               | i c<br>II                    | l<br>l c | S               | i               | I<br>I               | ITC4                     | l I                      |              |
| I-N                   | XING/S               |                                | TRAFFIC COND. (XING LANE) STREET RE  | EPAIR                       |                                      | i c                          | i        | S               | i c             | İ                    | [<br>[ TC4               | 0.11                     |              |
| I-N                   | <br> LN-S/U          | , , ,                          | TC-LANE CLOSURE URBAN STREET   | i                           |                                      | i c                          | i –      | <br>  S         | i c             | İ                    |                          | 1.0                      |              |
| I-N                   | <br> LN/S/S          | i i                            | LANE CLOSURE URBAN ST (STREET REPAI  | IR) I                       |                                      | i c                          | i –      | <br>  S         | i c             | İ                    | <br>  TC4                | 1.0                      |              |
|                       | <br>  PLANTU         | • •                            | REMOVE/REPLACE LANDSCAPING   |                             |                                      | <br>   C                     |          | <br>  S         |                 |                      | [<br> 3-WF3              |                          |              |
| WORK FAC<br>FUNC CODE |                      |                                | EXIST TAG NEW TAG  |                             |                                      | CONS                         | TRUC     | TION            | NOT             | ES                   |                          |                          |              |
|                       |                      |                                |  | SEE SHT                     | 9                                    |                              |          |                 |                 |                      |                          |                          |              |

|   | COPY - DETAIL   |
|---|---|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2             | -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700  |
|   | S: ACT  |
| LOCATION: 368 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER         | PHONE: 999-9999 LOCATION 368 OF 58  |
| WRK       <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CONSTRUCTION NOTES | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE (TYPE  HOURS |
|   |   |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG<br>H131612                 | CONSTRUCTION NOTES<br>SEE SHT 9   |
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|       | /17 11      |        |              |            |          |        | DPSS · | - DESI | GN REV  | TEW CC  | ELECTRIO | IATE |      |        |     |           |          |                                | 2             | PAGE NO   | 411 |
|-------|-------------|--------|--------------|------------|----------|--------|--------|--------|---------|---------|----------|------|------|--------|-----|-----------|----------|--------------------------------|---------------|-----------|-----|
|       | CT: 25      | 3568   | JOB:01       | REV:0      | T⊻'⊋E :  | : שֹׁם | NAME : | ROLAN  | IDO BİK | ( 7G2 - | -T&C JOI | 31   |      |        |     | S         | TATUS: A | CT WO                          | ORK ORDI      | ER: 2960  | 00  |
| DESIG | N: 01       | NAME   | : ROLANI     | DO BLK 7G2 | T&C JO   | DB 1   |        |        | 5       | STATUS: | ACT      |      |      |        |     |           |          | م میں می <i>ل این بلغ کہ ا</i> |               |           |     |
|       | ION: 3      | 69 SHE | ET: 01       | DISTRICT:  | СМ       | DESIG  | NED BY | : GEOR | GE BON  | INER    |          |      |      |        |     | PHON      |          |                                |               | ON 369 OI | 587 |
|       | MU ID       | 1      | i<br>istock# | <br>       |          |        |        |        |         |         |          | Ι    | WRK  | (  MAT | TIM | ACC       | STANDARD | CREW<br>  TYPE                 | EST<br> HOURS | I         |     |
|       |             | Ì      | i            | NO DES     | SIGN UNI |        |        |        |         |         | [        |      |      |        |     | <br> <br> |          | i                              | •             | 1         |     |
|       | FAC<br>CODE |        |              | EXIST      | TAG      | NEW    | TAG    |        |         |         |          |      | CONS | STRUCT | ION | NOTE      | s        |                                |               | ·         |     |
|       |             |        |              |            |          |        |        |        |         | SI      | ce sht   | 9    |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          | • •  |      |        |     |           |          |                                | ••            |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                | · · ·         |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         | <u> </u> |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        | -       |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              | ·····      |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |
|       |             |        |              |            |          |        |        |        |         | · · ·   | <u> </u> |      |      |        | •   |           |          | · ,                            |               |           |     |
|       |             |        |              |            |          |        |        |        |         |         |          |      |      |        |     |           |          |                                |               |           |     |

| DP001EM2-LOCAL40-001 SAN DIEGO GAS AND EL   09/05/17 11:36 DPSS - DESIGN REVIEW COL |   |
|---|---|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -                       | -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700  |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS:                                  |   |
| LOCATION: 370 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER                     | PHONE: 999-9999 LOCATION 370 OF 58  |
| WRK         <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CONSTRUCTION NOTES           | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS |
|   |   |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG  | CONSTRUCTION NOTES  |
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| ROJECT:          | 253568           | JOB:01                  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -               | T&C JOB           | 1                      |            |                |            | 5            | STATUS: AC       | T WO                    | RK ORDE         | R: 2960700                            |
|------------------|------------------|-------------------------|--|-------------------|------------------------|------------|----------------|------------|--------------|------------------|-------------------------|-----------------|---------------------------------------|
| ESIGN: C         | 1 NAME           | : ROLANE                | O BLK 7G2 T&C JOB 1 STATUS:  | ACT               |                        |            |                |            |              |                  |                         |                 |                                       |
| OCATION:         | 371 ŞHE          | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                        |            |                |            |              |                  |                         |                 | N 371 OF 587                          |
| NRK]<br>F-C MU I | <br>D  AU ID     | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD      | [<br> UM               | WRK<br>RSP | MAT  <br>  RSP | TIM<br>TRT | ACC          | STANDARD<br>PAGE | CREW<br>  TYPE          | EST  <br> HOURS |                                       |
| I-N              | 3'HD-A           | <br>                    | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | [ 17              | FT  <br>  FT           | С          | <br>           | s          | i c          | G7453            | [3-WF3                  | 6.61            |                                       |
| I-N              |                  |                         | BACKFILL TRENCH 3 FOOT DEEP  | 17<br>            | FT ]<br>  FT ]         | С          |                | S          | с            |                  | 13-WF3<br>IC-BC         | 0.3             |                                       |
| I-N <br> <br>    |                  | 1                       | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 17<br>  1         |                        | С          |                | S          | C  <br> <br> | G7405            | 3-WF3<br> C-BH<br> C-DT | 0.1             |                                       |
| I-N <br>         | <br> 1DB3-\$<br> | <br> <br> 249664[       | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  |                   | <br> FT <br> FT        |            | l c l          | S          | l C          | 3373.1<br>       | 3-WF3<br>               | i i             |                                       |
| ī−N  <br>I       | IR-XCES          | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | • –               | FT  <br>  FT  <br>  CY |            | I C I          |            | r I          |                  | C-DT                    | <br>  0.4 <br>  |                                       |
| I-N[             | PLANTU           | 1 1                     | REMOVE/REPLACE LANDSCAPING   | 1 17              | FT                     | с          |                | s          | i c          | i                | 3-WF3                   | [ 1.7]          |                                       |
| [<br>I-N[<br>[   | ŀ                | <br> x20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | ] 12              | ΞA                     |            |                | S          | I C          | G7453            | C-BC                    | 0.6             |                                       |
| I-N[<br>[        | REM-3 '          | <br> X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | <br>  16<br>  4   | FT <br>  CY            | с          |                | S          | lĊ<br>I      |                  | ]<br>  C-DT<br>         |                 |                                       |
| I-N <br>!        | SLR-18           | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 48                | FT  <br>  CY           | ¢          | C              | S<br>      | l C          | G7409            | 3-WF3<br>               | 0.1             |                                       |
| I-N[<br>[<br>[   | 1EB3SL<br> <br>  | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 16<br>  16<br>  1 | FT  <br>  CY           | Ċ          | C  <br>  C     | S<br>      | 1            | 3376.1           |                         | i 0.2           | · · · · · · · · · · · · · · · · · · · |
| [<br>[-N]        | 1-3SLB<br> <br>  | 322048  <br>  656400    | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | EA  <br>  EA  <br>  CY | Ċ          |                | S<br> <br> |              | 3373.2           | 1                       |                 |                                       |
| I-N              | LN-S/U           | 1 L                     | TC-LANE CLOSURE URBAN STREET   | 1                 | ĒA                     | C          |                | S          |              | [                | ITC3                    | <br>  1.0       |                                       |
| I-N              | <br> ln/s/s      | 1 1                     | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1               | EA]                    | С          | i i            | S          | C .          |                  | ITC4                    | 1.0]            |                                       |
| I-N              |                  | 1                       | SAW CUT CONCRETE   | •                 | FT                     | С          | i i            |            | c            |                  | SR-3C                   | 1.51            |                                       |
| <br>I-N <br>     | CC-WLK           | i i                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          |                   | EA                     |            | I              |            |              |                  | SR3CS                   | <br>  1.01      |                                       |

2010/01/01

WORK FAC FUNC CODE DESC EXIST TAG NEW TAG

#### CONSTRUCTION NOTES

|   | SAN DIEGO GAS AND E<br>SS - DESIGN REVIEW CO | LECTRIC<br>PY - DETAIL |   | PAGE NO 414                           |
|---|--|------------------------|---|---------------------------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAM                   | ME: ROLANDO BLK 7G2 -                        | T&C JOB 1              | STATUS:                                       | ACT WORK ORDER: 2960700               |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1                  | STATUS:                                      | ACT                    |   |                                       |
| LOCATION: 372 SHEET: 01 DISTRICT: CM DESIGNED               | BY: GEORGE BONNER                            |                        | PHONE: 999                                    | -9999 LOCATION 372 OF 587             |
| WRK;        <br> F-C MU ID  AU ID  STOCK#; DESCRIPTION/CONS | TRUCTION NOTES                               | I OTY 1  WRK           | MAT   TIM   ACC   STANDA<br>RSP[TRT TRT  PAGE | RD  CREW   EST  <br> TYPE  HOURS      |
| I I I I I I I I I I I I I I I I I I I                       | HIS LOCATION                                 |                        |   |                                       |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG                |  | CONST<br>E SHT 9       | RUCTION NOTES                                 |                                       |
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|--------------|-----------------|------------|--------------------------|----------------------|--------------------|---------|-------------|----------|------------|---------|------|-------------|--------------|------------------|-----------------|---------|---------------------------------------|
|              |                 |            | REV:0 TY                 |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         | R: 2960700                            |
|              |                 |            | 0 BLK 7G2 T&C            |                      |                    | ST      | ATUS: A     |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            | DISTRICT: CM             |                      |                    |         |             |          |            |         |      |             |              | IE: 999-99       |                 | LOCATIO | N 373 OF 587                          |
|              | AU ID           | STOCK#     | DESCI                    |                      |                    |         | Ì           | RQD 1    | υM         | RSP     | RSP  | TIM <br>TRT | ACC  <br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE  | HOURS   |                                       |
|              | <br> 330926<br> | 162690     | HAND HOLE 3<br>QUAZITE H | 3309.2 3             | 7"X 26" X          |         |             | 1 <br>1] | EA  <br>EA | C  <br> | c i  | 5  <br>[    | C I          | 3309.2           | 35WF3<br>       | 0.8     |                                       |
| [-N <br>     | X09H26<br>      | 162690     | INSTALL EXC<br>QUAZITE H | CAVATION<br>BOX 37"2 | I/REMOVE<br>26"26" |         | <br> <br>   | 1)<br>1) | EA         | CI      | c    | S           | - 1          | 3309.2           | [               | 0.81    |                                       |
| C-N          | 1-3SLB<br>      | 322048[    | 1-3 IN DB 9<br>BEND CONI | DUIT DB              | 3 IN 90 D          | 36 IN R | [           | 4  <br>4 | EAJ        |         | c I  | S  <br>     | 1            | 3373.2           | i i             | 0.21    |                                       |
| <br> <br>I-N | 1               | [          | SLURRY MI<br>REMOVE/REPJ |                      |                    |         | 1<br>1<br>1 | 1        | 1          | [       | 1    | 1           | ן<br>כ ו     |                  | <br> <br> 3-WF3 | i i     |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
| TUNC CODE    | DESC            |            | EXIST TAC                | 5 NEW                | TAG                |         |             |          | C          | ONST    | RUCT | ION         | NOTE         | S                |                 |         |                                       |
|              |                 |            |                          |                      |                    |         | SEE         | SHT 9    |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         | · · · · · · · · · · · · · · · · · · · |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            | -       |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            | -                        |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 | . <u>.</u> |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |
|              |                 |            |                          |                      |                    |         |             |          |            |         |      |             |              |                  |                 |         |                                       |

| OJECT: 25                | 3568 3                    | JOB:01                               | S<br>DPSS<br>REV:0 TYPE: UD NAME:   |                    | <b>T</b> 40 TOD        | 1                      |             |         |            | <u>د</u>           | STATUS: A            | CT WOF                    | K ORDE              | R: 2960700   |
|--------------------------|---------------------------|--------------------------------------|---|--------------------|------------------------|------------------------|-------------|---------|------------|--------------------|----------------------|---------------------------|---------------------|--------------|
| SIGN: 01                 | NAME :                    | ROLAND                               | 0 BLK 7G2 T&C JOB 1   | STATUS             | : ACT                  |                        |             |         |            |                    |                      |                           |                     |              |
| CATION: 3                | 74 SHEE                   | CT: 01                               | DISTRICT: CM DESIGNED BY  | : GEORGE BONNER    |                        |                        |             |         |            | PHON               | NE: 999-9            | 999 I                     | OCATIO              | N 374 OF 587 |
| NRKI<br>F-CIMU ID        | LAU ID I                  | STOCK#1                              | DESCRIPTION/CONSTRU   | CTION NOTES        | RQD                    | UM                     | RSP         | RSPI    | TRT        | TRŤ                | STANDARD<br>  PAGE   | TYPE                      | HOURS               |              |
|                          | 13'HD-A                   | i i                                  | HAND DIG TRENCH 3 FT DEE  | P AVE              | [ 27                   | FT                     | CI          | 1       | S [        | С                  | G7453                |                           | 10.2                |              |
| I-NI                     | i                         |                                      | BACKFILL TRENCH 3 FOOT DE   | EP                 | 27                     | FT <br>                | сi          | .  <br> | S I        | С                  | [<br>i               | 3-WF3 <br> C-BC           | 0.41                |              |
| I-N                      |                           | <br> 611492                          | SHADE TRENCH WITH SAND -<br>SAND, FILL RECYCLED MF                              |                    | 27                     | TN  <br>[              | с (<br>     | c i     | S          | с                  | G7405<br> <br>       | 3-WF3<br> C-BH<br> C-DT   | 0.1<br>0.1<br>0.1   |              |
| I-N                      | 1DB3-S<br>                | <br> 249664                          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT I                                | Ength              | 27<br>  27             | FT                     | C           | 1       | S          | С                  | <br> 3373.1<br>      | <br> 3-WF3<br> <br>       | 0.4                 |              |
| I-N <br>                 | Ì                         | <br>  X30007                         | EXCESS TRENCH SPOIL (12<br>DÜMPING FEE  | IN DEEP)           | i 27<br>1 3            | FT <br>  FT <br>  CY   | CI          |         | S          | С                  | 1                    | C-DT                      | 0.7                 |              |
| 1<br>I-N                 | <br>  plantu              | i I                                  | REMOVE/REPLACE LANDSCAPIN   | IG                 | 22                     | FT                     | i c i       |         | s          |                    | İ                    | 3-WF3                     | 2.2                 |              |
| I-N                      |                           | i 1                                  | CONCRETE 2 SAW CUT AND BE   | EAK MECH           | j 5                    | FT                     |             |         | 5          | С                  | Ì                    | SR3AS                     | 0.21                | <u> </u>     |
| I-NI                     |                           | i i                                  | FINISH CONCRETE SURFACE   | MAN 12 IN          | 1 5                    | FT                     | C           |         | ŝ          | c                  | i                    | SR3CS                     | i i                 | <u> </u>     |
| I-NI                     | i                         | <br> X20201 <br> 114215              | MACH DIG TRENCH 3 FT DER<br>TRAFFIC BEARING STEEL H<br>ASPHALT, COLD MIX        |                    | 4<br>1 3<br>1 1        | FT  <br>  EA  <br>  TN |             |         | S          | c                  | 1G7453<br>1          | C-BC<br>  C-BH<br>  3SWF4 | 0.2 <br>0.2 <br>0.3 | ·            |
| ]<br>I <b>-N</b>  <br>   | [                         | ]<br> X30007                         | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                    | 4                      | ,                      | i c i       | Ċ       | s i        |                    | i                    | <br> C-DT<br> <br>        | 0.4                 |              |
| I-N <br>                 | SLR-18<br>                | 656400                               | BACKFILL SLURRY 18 IN WII<br>SLURRY MIX, 1 SACK SANI                            |                    | 4                      |                        | C  <br>     | С       | S<br>      | [ Ç<br>[           | G7409                |                           | [ ]<br>[ [          |              |
| [<br>I-N]<br>]<br>]<br>] | 1EB3IN<br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC EN<br>CONCRETE - 2 SACK (GRAN<br>CONDUIT DB 3 IN 20 FT 3 | /EL MIX)<br>LENGTH | 4<br>  1<br>  4<br>  1 |                        |             | 0000    | S<br> <br> | i c<br>1<br>1<br>1 | 3376.1<br> <br> <br> |                           | i 0.1i              |              |
| 1-N                      | lln-s/U                   | •                                    | TC-LANE CLOSURE URBAN ST  | REET               | 1                      |                        | ic.         |         |            | i c                | i                    | TC3                       | 1.0                 |              |
| I-N                      | <br> LN/S/S               | i                                    | LANE CLOSURE URBAN ST (S  | TREET REPAIR)      | i 1                    | j EA                   | <br>  C<br> |         | S<br>      | C                  | 1                    | TC4                       | 1 1.01              |              |
| [<br>I-N                 | <br>  PLANTU              |                                      | REMOVE/REPLACE LANDSCAPI  | 1Ġ                 |                        |                        |             |         |            |                    | 1                    | •                         |                     |              |

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CONSTRUCTION NOTES

# SEE SHT 9

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|                    |   |   |  | NAME: ROLANDO BLK 7G2                            |                 |                        |     |                  |                  |     | STATUS: A          | CT WOR                           | CK OKDE           | ER: 2960700  |
|--------------------|---|---|--|--|-----------------|------------------------|-----|------------------|------------------|-----|--------------------|----------------------------------|-------------------|--------------|
| ESIGN: 01          |   |   | ) BLK 7G2 T&C JOB 1  |  | JS: ACT         |                        |     |                  |                  |     |                    |                                  |                   |              |
| OCATION: 3         | 75 SHEET                                | : 01 I                                  | DISTRICT: CM DESI  | GNED BY: GEORGE BONNER                           |                 |                        |     |                  |                  | PHO | NE: 999-99         | 999 I                            | LOCATIO           | N 375 OF 587 |
| F-C MU ID          | <br> AU ID  S                           | TOCK# [                                 | DESCRIPTION/   | CONSTRUCTIÓN NOTES                               | I RQD           | UM ]                   | RSP | RSP              | TRT              | TRT | STANDARD<br>  PAGE | TYPE                             | HOURS             |              |
|                    | 3'HD-A                                  | ļ                                       | HAND DIG TRENCH 3  | FT DEEP AVE                                      | 1 27            | FT                     | CI  | i                | S                | С   | G7453              | 3-WF3                            | 10.2              |              |
| I-N                | 1 1                                     | l                                       |  | FOOT DEEP  |                 |                        | c I |                  | S  <br>          | с   |                    | <br> 3-WF3<br> C-BC              | 0.4<br>0.4        |              |
| I-N <br> <br>      | 6                                       | i                                       | SAND, FILL RECY  | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED     |                 | FT  <br>  FT  <br>  TN |     | c                |                  | С   | G7405              | ]<br>  3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1<br>0.1 |              |
| I-N(               | [ 2                                     | 49664                                   | 1-3 IN DE CONDUIT<br>CONDUIT DE 3 IN   |  | 27              | FT                     | c   |                  | SI               | С   |                    | <br> 3-WF3<br>                   | 0.4               |              |
| I-N                | X                                       | i                                       | EXCESS TRENCH SPOI<br>DUMPING FEE  | L (12 IN DEEP)                                   | 27<br>  3       | ICY                    |     |                  | S 1<br>  S 1<br> | с   | i                  | <br>  C-DT<br>                   | 0.7               |              |
| I-NI               | PLANTU                                  | i                                       | REMOVE/REPLACE LAN   | DSCAPING   | 27              |                        | С   |                  | S                |     | i                  | 3-WF3                            | 2.7               |              |
| I-N <br>           | X<br>  [1                               | ;<br>20201;<br>14215;                   | TRAFFIC BEARING<br>ASPHALT, COLD MI  |  | 4<br>  3<br>  1 | EA <br> TN             |     | с<br>с           | · - ·<br>   <br> | с   | G7453<br> <br>     | <br> C-BC<br> C-BH<br> 3SWF4     | 0.2<br>0.2<br>0.3 | . <u></u>    |
| I-N                | REM-3' <br>  [X                         | 30007                                   | TRENCH SPOIL 3 FT<br>DUMPING FEE   | DEPTH  | 4               |                        | С   | i                | i i              | С   | 1                  | C-DT                             | 0.4               |              |
|                    | SLR-18 <br>  [6                         |   | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA   | IN WIDE X 12 IN DEEP<br>CK SAND                  |                 | FT <br> CY             |     |                  | S                |     | G7409              | [<br>[3-wf3<br>[                 |                   |              |
| I-N <br> <br> <br> | 1EB3IN <br>   2<br>]  2<br>]  6<br>]  6 | 248201 <br>249664 <br>563528 <br>563530 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACER | X (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY | 1<br>  4<br>  1 | CY<br>FT<br>EA         |     | 0<br>0<br>0<br>0 |                  |     | <br> <br>1         | 3-WF3<br> <br> <br>              | 0.1               |              |
| I-NJ               | ]<br>]LN-S/U <br>]                      | i                                       | TC-LANE CLOSURE UR   | BAN STREET                                       | 1               | <br> EA                | сi  |                  | <br>  S  <br>    |     | İ                  | <br>  TC3                        |                   |              |
| I-N                | LN/S/S                                  |   | LANE CLOSURE URBAN   | I ST (STREET REPAIR)                             | 1               | EA                     | c   | İ                | S                |     | Ì                  | TC4                              | 1.0               |              |
|                    | PLANTU                                  |   | REMOVE/REPLACE LAN   | DSCAPING   |                 | •                      |     |                  | S                |     |                    | 3-WF3                            |                   |              |

| ROJECT:                 | 253568          | JOB:01                                     | REV:0                   | TYPE: UD   | NAME: ROLA                                 | ANDO BLK 7G2 - | T&C JOB             | 1                      |     |                |                  | 5   | STATUS: AC           | T WOI               | RK ORDE             | R: 2960700 |
|-------------------------|-----------------|--|-------------------------|--|--|----------------|---------------------|------------------------|-----|----------------|------------------|-----|----------------------|---------------------|---------------------|------------|
| ESIGN:                  | 01 NAME         | : ROLAND                                   | D BLK 7G2               | T&C JOB 1  |  | STATUS:        |                     |                        |     |                |                  |     |                      |                     |                     |            |
|                         |                 |  | DISTRICT:               | CM DESI  | SNED BY: GEO                               |                |                     |                        |     |                |                  | PHO |                      |                     | LOCATIO             | N 376 OF 5 |
| WRK  <br>F-C   MU       | <br>ID  AU ID   | <br> STOCK#                                | ית                      | ESCRIPTION/  | CONSTRUCTION                               | N NOTES        | ROD                 | IUMI                   | RS₽ | RSP            | TRT              | TRT | STANDARD<br>PAGE     | CREW<br>  TYPE      | EST  <br> HOURS     |            |
| .−N∣                    | AS-2CT          | i i  |                         | 2 SAW CUT  |  |                | 30                  | FT                     | С   |                | S                | С   |                      | SR3AS               | 0.81                |            |
| [-N <br>                | 1               | <br> 114201                                |                         | BASE MEC<br>LT (BASE)  | H 24 IN                                    | -              | i 30                | FT <br> TN             |     |                | S  <br>          | с   |                      |                     | 0.8                 |            |
| [<br>[-N]<br> <br>      | BH04XH<br> <br> | X20201                                     | TRAFF                   | G TRENCH 4<br>TC BEARING<br>LT, COLD MI                                | STEEL PLATE                                | CKHOE          | 1 40<br>1 40<br>1 1 | FT  <br>  EA  <br>  TN |     | Ċ              | I                | с   | G7453                |                     | 2.0 <br>2.0 <br>4.0 |            |
| -N                      | REM-4 '         | 1X300071                                   | DUMPI.                  | SPOIL 4 FT<br>NG FEE   | DEPTH                                      |                | j 40                | ]<br> FT <br>[CY       | С   | с              |                  | Ċ   |                      | <br> C-DT<br> <br>  | 4.8                 |            |
| с-N <br>                | SLR-24          |  | BACKFIL                 | L SLURRY 24<br>XY MIX, 1 SA  |  | 12 IN DEEP     | 120                 |                        |     | l c            | 1                | с   | G7409                | 1                   | 0.4                 |            |
| [-N]<br> <br> <br> <br> | 1<br>1<br>1     | 248201 <br> 249664 <br> 663528 <br> 663530 | CONCR<br>CONDÙ<br>SPACE | EB CONDUIT<br>ETE - 2 SAC<br>UIT DB 3 IN<br>R INTERMEDI<br>BASE SPACER | K (GRAVEL M<br>20 FT LENGT<br>ATE 5 IN 2-1 | H              | 2<br>  55<br>  10   |                        |     |                | S<br> <br> <br>[ |     | 3376.1               | 3-WF3               | 1 0.8 <br>     <br> |            |
| [-N <br> <br>           | 1-3\$LS<br>     | 322144                                     | BEND                    | DB 22.5 D 2<br>CONDUIT DB<br>XY MIX, 1 SA                              | 3 IN 22.5 D                                |                | 3                   | 1                      |     | <br>  C<br>  C | i                |     | <br> 3373.2<br> <br> | <br> 3-WF3<br> <br> | 0.5[<br>  0.5[<br>  |            |
| r-n                     | i<br>I PLANTU   |  | REMOVE/                 | REPLACE LAN  | DSCAPING                                   |                | 6                   | FT                     | С   |                | ŝ                | i c | <br>                 | 3-WF3               | 0.6                 |            |
| (-N[                    | <br> ln-s/u     |  | TC-LANE                 | CLOSURE UR   | BAN STREET                                 |                | 1                   | EA                     | с   | <br> <br>      | S                |     | 1                    | TC3                 | 1.0                 |            |
| [<br>[-N]               | <br> LN/S/S     |  | LANE CL                 | OSURE URBAN  | ST (STREET                                 | REPAIR)        | 1 1                 | EA                     | C   | <br>           | <br>  S          | , c | i<br>1               | TC4                 | 1 1.01              |            |

# CONSTRUCTION NOTES

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SEE SHT 9 \_\_\_\_

Block 7G2 UUP Attachment E – Technical Specifications

573 | Page
|                     |            | JOB:01      | REV:0                   | TYPE:                | UD N               | IAME: F            | OLANDO I | BLK 7G2    | -T&C JOE  | 31            |       |                |         |      |                                       |              |                 | IR: 2960700 |
|---------------------|------------|-------------|-------------------------|----------------------|--------------------|--------------------|----------|------------|-----------|---------------|-------|----------------|---------|------|---------------------------------------|--------------|-----------------|-------------|
| ESIGN: 01           | NAME :     | : ROLAND    | O BLK 7G2               | T&C JOE              | 31                 |                    |          | STATUS     | S: ACT    |               |       |                |         |      |                                       |              |                 |             |
| CATION: 3           | 77 SHEI    | ET: 01      | DISTRICT:               | CM E                 |                    |                    |          |            |           |               |       |                |         |      |                                       |              | LOCATIO         | N 377 OF 58 |
| RK <br>-C MU ID     | <br> AU ID | <br> stock# | D                       | ESCRIPTI             |                    |                    |          |            | [ RQD     | UM            | RSP   | MAT  <br>  RSP | TIM     | ACC  | STANDARD<br>PAGE                      | CREW         | EST  <br> HOURS |             |
| l l                 | 3421-1     | i i         | PAD 342<br>PAD 1        | 1 1-PHAS             | SE TRAN            | ISFORME            | R        |            | ,<br>[ 1  | .   EA ]      | С     |                | SI      | СГ   | 3421.1                                |              | 0.4             |             |
| I-N                 |            | [<br>  ]    | PAD PRE                 | P 3421 F             | PAD (1-            | PHASE              | TRANSFO  | RMER)      | [ 1       | EA]           | С     |                | 5       | CI   |                                       | I<br>I 3SWF3 | 0.4             |             |
|                     | TG-T-W<br> | <br> 812816 | TRENCH<br>WIRE          | GRD WIRE<br>BARE COE | e w/o f<br>Pper #2 | RODS (1<br>2-7 STF | RANS/CA  | P)<br>RAWN |           | EA <br>  LB   | С     | I C I          | S  <br> | CI   | 4510.1                                | i            | 0.2             |             |
| I                   | 1-3SLB     | 3220481     | 1-3 IN<br>BEND<br>SLÜRR | CONDUIT<br>Y MIX, 1  | DB 3 I<br>I SACK   | N 90 I<br>SAND     | 36 IN 3  | R          |           | 5 EA <br>5 EA | С     |                | S [     | C I  | 3373.2                                | 1            | 0.3             |             |
| ORK FAC<br>UNC CODE |            |             |                         |                      |                    |                    |          |            |           |               | CONST | TRUCI          | ION     | NOTE | <br>2S                                |              |                 |             |
| I PD                | PAD        |             |                         |                      | D21824             | 4                  |          | 5          | SEE SHT 9 | }             |       |                |         |      |                                       |              |                 |             |
|                     |            |             |                         |                      |                    |                    |          |            |           |               |       |                |         |      |                                       |              |                 |             |
|                     |            |             |                         |                      |                    |                    |          |            |           |               |       |                |         |      | · · · · · · · · · · · · · · · · · · · |              |                 |             |
|                     |            |             | ·····                   |                      |                    |                    |          |            |           |               |       |                |         |      |                                       |              |                 |             |
|                     |            |             |                         |                      |                    |                    |          |            |           |               |       |                |         |      | · · · · · · · · · · · · · · · · · · · |              |                 |             |
|                     |            |             |                         |                      |                    |                    |          |            |           |               |       |                |         |      |                                       |              |                 |             |

| OJECT: 25               | 3568 3                         | JOB:01                               | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW (<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOB               | 7                       |                      |                |                 | <u>؛</u>        | STATUS: AG           | CT WO                     | RK ORDE                    | R: 2960700  |
|-------------------------|--------------------------------|--------------------------------------|--|------------------------|-------------------------|----------------------|----------------|-----------------|-----------------|----------------------|---------------------------|----------------------------|-------------|
| SIGN: 01                | NAME :                         | ROLAND                               | O BLK 7G2 T&C JOB 1 STATUS   | S: ACT                 |                         |                      |                |                 |                 |                      |                           |                            |             |
| CATION: 3               |                                |                                      | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                        |                         |                      |                |                 | рнол            | NE: 999-9            | 999 :                     | LOCATIO                    | N 378 OF 58 |
| WRK <br>F-C MU ID       | <br> AU ID                     | <br> STOCK#                          | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD           | <br> UM1                | WRK<br>RSP           | MAT  <br>RSP   | TIM<br>TRT      | ACC             | STANDARD<br>  PAGE   | CREW                      | EST  <br> HOURS            |             |
| I-N                     | 3'HD-A                         | 1                                    | HAND DIG TRENCH 3 FT DEEP AVE  | 47                     | [ FT ]                  | C                    |                | Ś               | C               | G7453                | 3-WF3                     | 17.4                       |             |
| 1-N                     | 1                              | i i<br>1 1                           | BACKFILL TRENCH 3 FOOT DEEP  | 47                     | FT <br>                 | с                    |                | S               | l C<br>I        | l<br>E               | 3-WF3<br> C-BC            | 0.71<br>0.71               |             |
| I-N I                   | 1                              | <br> 611492 <br>                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 47<br>  3              |                         | С                    | i i            | S               | i c<br> <br>    | G7405<br> <br>       | 3-WF3<br> C-BH<br> C-DT   | 0.1 <br>  0.1 <br>  0.1    |             |
| I-N <br>[               | 1                              | <br> 249664                          | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 47                     | FT  <br>  FT  <br>  FT  |                      |                | s               | i c<br>I        |                      |                           |                            |             |
| I-N                     |                                |                                      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 47<br>  5            |                         | С                    | l C            | [               |                 | 1<br>1               |                           | 1.2                        |             |
| I-N                     | <br>  PLANTU                   | 1 1                                  | REMOVE/REPLACE LANDSCAPING   | 47                     |                         | c                    | 1              | \$              |                 | i -                  | 3-WF3                     |                            |             |
| I-N <br> <br>           | <b>!</b><br>1                  | <br> X20201 <br> 114215              | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 4<br>  3<br>  1        | FT<br>  EA<br>  TN      | i Ċ<br>I<br>I        | <br>  C<br>  C | S<br> <br>      | C<br> <br>      | G7453<br>            | C-BC<br>  C-BH<br>  3SWF4 | [ 0.2]<br>[ 0.2]<br>] 0.3[ |             |
| <br>I-N]<br>            | REM-3'                         | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | ·   4                  | FT<br>  CY              | i C                  | i              | I S             |                 | i                    | IC-DT                     | 0 4                        |             |
| I-N <br>                | SLR-18                         | 656400                               | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1                      | IFT<br>ICY              |                      |                | 1               | i               | G7409                |                           | L I                        |             |
| [<br>I-N <br> <br> <br> | 1EB3IN<br> <br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 4<br>  1<br>  4<br>  1 | FT<br> CY<br> FT<br> EA | C<br> <br> <br> <br> |                | S<br> <br> <br> | C<br> <br> <br> | 3376.1<br> <br> <br> |                           | i 0.1i                     |             |
|                         | 11-35L8<br>1<br>1              | 321878<br> 656400                    | <br>  1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DB 3 IN 45 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND                                   |                        | IEA<br>IEA              | ic<br>I<br>I         |                | S<br> <br>      | i c<br>I<br>I   | 3373.2               |                           |                            |             |
| I-NI                    | <br> LN-S/U                    | i i                                  | TC-LANE CLOSURE URBAN STREET   | j 1                    | EA                      | i c                  |                | İS              | i C             | 1                    |                           | 1.0                        |             |
|                         |                                | 4                                    | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                      | IEA                     | l C<br>I             | 1              | I S             | C               | i                    |                           | j 1.0j                     |             |
| I-N                     | i<br>  PLANTU                  |                                      | <br>  REMOVE/REPLACE LANDSCAPING   |                        |                         |                      |                |                 |                 | <br>                 |                           |                            |             |

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CONSTRUCTION NOTES

SEE SHT 9

| BOJECT - 25  | 3569                 | TOR • 01                                   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | TOP                                     | 1                                |        |            |              | 1        | STATUS: AC | T WO                                    | RK ORDEN                | R: 2960700  |
|--|----------------------|--|--|---|----------------------------------|--------|------------|--------------|----------|------------|---|-------------------------|-------------|
| ESIGN: 01  | NAME                 | : ROLAND                                   | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                                     |                                  |        |            |              |          |            | ••••••••••••••••••••••••••••••••••••••• |                         |             |
| DCATION: 3   | 379 SHE              | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |   |                                  |        |            |              |          | NE: 999-99 |   |                         | N 379 OF 58 |
| WRKI<br>F-CIMU ID  | <br> AU ID           | <br> STOCK#                                | DESCRIPTION/CONSTRUCTION NOTES   |   |                                  | DZD ZZ | L CD ITT   | <b>m</b> The | 1200     | CENTRADO   | Lobara                                  |                         |             |
| I-N]   | 13'HD-A              | I I  | HAND DIG TRENCH 3 FT DEEP AVE  | 27                                      | FT                               | С      |            | S            | I C      | G7453      | 3-WF3                                   | 10.2                    |             |
| I-N  | BKF-3'               |  | BACKFILL TRENCH 3 FOOT DEEP  | 27                                      | FT                               |        | <br>       | S            | i c<br>I |            | 3-WF3<br> C-BC                          | 0.4                     |             |
| I-N  <br> <br>   | ;                    | i i  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 2                                       | FT  <br>  FT  <br>  TN  <br>  1  |        | C  <br>  C | S            | Ç        | G7405<br>  | 3-WF3<br> C-BH<br> C-DT                 | 0.1 <br>  0.1 <br>  0.1 |             |
| I-N  | E C                  | <br> 249664 <br>                           | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 27<br>  27                              | [FT]<br>[FT]                     | с      | C C        | S            | i c<br>I | 3373.1     | 3-WF3<br>                               | i i                     |             |
| I-N  | R-XCES               | i i  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 27<br>  3                               | FT  <br>  CY                     | С      | Ċ          | S            | i C<br>I |            | C-DT<br>                                | 0.7                     |             |
| I-N  | [ PLANTU             | i i  | REMOVE/REPLACE LANDSCAPING   | 1 27                                    | FT                               | С      |            | S            |          |            |   | 2.7                     |             |
| [<br>I – N [<br> <br>  |                      | <br> X20201 <br> 114215                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | i 10<br>1 8                             |                                  |        | i i        | S            |          | G7453      | C-BC<br> C-BH<br> 3SWF4                 | [ 0.4 <br>[ 0.8]        |             |
| [<br><u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> | REM-3 '              | X300071                                    | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | -                                       | FT  <br>  CY                     | с      |            |              | I        |            | C-DT<br>                                | i i                     |             |
| I-N  | SLR-18<br>           | 6564001                                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1 1                                     | CY                               |        | ici        |              |          | G7409      | 1                                       | i i                     | ·····       |
| ו<br>ב-שן<br>ו<br>ו<br>ו   | 1EB3IN<br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 10<br>  1<br>  10<br>  10<br>  2<br>  2 | CY  <br>  FT  <br>  EA  <br>  EA | C      |            | 5            |          | 3376.1     | <br> 3-WF3<br> <br> <br>                |                         |             |
| I-N <br>]  | 1-35LB<br>]<br>      | 322048 <br> 656400                         | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | <u>1</u><br>  1                         | EA                               |        |            | S            | 1        | 3373.2     |   | 1  <br>1                |             |
| I-N  | LN-S/U               |  | TC-LANE CLOSURE URBAN STREET   | i 1                                     |                                  | С      |            | s            | C        |            | <br>  TC3                               | 1.0                     |             |
| ĭ−N[   | <br> LN/S/S          |  | LANE CLOSURE URBAN ST (STREET REPAIR)  |   | <br> EA                          |        |            | s            | с        |            | <br> TC4                                |                         |             |
|  | <br>  PLANTU         |  | REMOVE/REPLACE LANDSCAPING   | )<br>  10                               | <br>  FT                         | с      | 1          | s            | с        |            | <br> 3-WF3                              | [ [<br>[ 1.0]           |             |

FUNC CODE DESC

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EXIST TAG NEW TAG

## CONSTRUCTION NOTES

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## SEE SHT 9

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| ROJECT: 25    | 3568                      | JOB:01  | REV:0 TYPE: UD   | NAME: ROLANDO BLI                                  | K 7G2 -T&  | C JOB               | 1                          |            |         |            |     | TATUS: AC            | T WOH               | RK ORDE                | R: 29607 |      |
|---------------|---------------------------|---|--|--|------------|---------------------|----------------------------|------------|---------|------------|-----|----------------------|---------------------|------------------------|----------|------|
|               |                           |   | O BLK 7G2 T&C JOB 1  |  |            |                     |                            |            |         |            |     |                      |                     |                        |          |      |
| OCATION: 3    | 80 SHE                    | ET: 01  | DISTRICT: CM DESI  | GNED BY: GEORGE BO                                 |            |                     |                            |            |         |            |     | IE: 999-99           |                     |                        | N 380 OF | - 58 |
| F-C MU ID     | <br> AU ID                | STOCK#  | DESCRIPTION/   | CONSTRUCTION NOTES                                 | 1          | RQD                 | ΙUM                        | RSP        | RSP     | TRT [      | TRT | STANDARD<br>PAGE     | TYPE                | EST  <br> HOURS <br>++ |          |      |
| I-N           | AS-2CT                    | 1 1   | ASPHALT 2 SAW CUT  | AND BREAK MECH                                     |            |                     | i i                        | i i        | <br>[ [ | · 1        |     |                      | 1                   | 0.8 <br>               |          |      |
| I-N]          | AB-M24<br>                | <br> 114201                                     | ASPHALT BASE MEC<br>ASPHALT (BASE)   |  |            | 30<br>2             | FT<br>  TN                 | 1 C        |         | S          | С   |                      | SR-3A<br> <br>      | 0.8 <br>               |          |      |
| 1-N <br> <br> | IBH04XH<br>I<br>1         | <br> X20201 <br> 114215                         | MACH DIG TRENCH 4<br>TRAFFIC BEARING<br>ASPHALT, COLD MI   | STEEL PLATE  | 1<br> <br> | 40<br>40<br>1       | FT<br>  EA<br>  TN         | ic<br>I    | 1       | S          | С   | G7453                | С-ВС<br>  С-ВН      | 2.01<br>1 4.01         |          |      |
| I-N           | REM-4 '                   | X30007  | TRENCH SPOIL 4 FI<br>DUMPING FEE   | C DEPTH  | ]          | 40<br>14            | CY                         | I C        | I C     | S          | С   |                      | ;<br> C-DT<br> <br> | 4.8                    |          |      |
| I-N           | SLR-24                    |   | BACKFILL SLURRY 24<br>SLURRY MIX, 1 SP   |  | EEP        | 120<br>9            | FT                         | 1 C<br>    | 1       | S          | С   | G7409<br>            |                     | 0.4                    |          |      |
| [<br>]<br>]   | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACEF | CK (GRAVEL MIX)<br>20 FT LENGTH<br>MATE 5 IN 2-WAY | 1          | 63<br>2<br>63<br>11 | FT<br>  CY<br>  FT<br>  EA |            |         | S          | С   | 3376.1<br> <br> <br> | <br> <br>           |                        |          |      |
| I-N[<br>I     | 1-3SLS                    | 322144 <br> 656400                              | 1-3 IN DB 22.5 D 2<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA  | 3 IN 22.5 D 25 FT                                  | r !        | 8<br>8<br>2         | EA<br>  EA<br>  CY         | C<br> <br> | 1       | S<br> <br> | C   | 3373.2<br> <br>      | 3-W£3<br>           | 1.3 <br>               |          |      |
| I-N ]         | LN-S/U                    |   | TC-LANE CLOSURE UN   | RBAN STREET  |            | 1                   | EA                         | j C        |         | S          | C   | İ                    |                     | j 1.0j                 |          |      |
| I-N           | <br> LN/S/S               | <br>  | LANE CLOSURE URBAN   | N ST (STREET REPAIR                                | .)         | 1                   | I EA                       | i c        | 1       | ,<br>  S   | i c | <br>                 |                     |                        | <u></u>  |      |
| WORK FA       |                           | ;   | EXIST TAG NÉV  | TAG  |            |                     |                            | CONS       | TRUC'   | FION       | NOT | ES                   |                     |                        |          |      |
|               |                           |   |  |  | SEE        | SHT 9               |                            |            |         |            |     |                      |                     |                        |          |      |
|               |                           |   |  |  |            |                     |                            |            |         |            |     |                      |                     |                        |          |      |
|               |                           |   |  |  |            |                     |                            |            |         |            |     |                      |                     |                        |          |      |
|               |                           |   |  |  |            |                     | _                          |            |         |            |     |                      | -                   |                        |          |      |
|               |                           |   | ·  |  |            |                     |                            |            |         | -          |     |                      |                     |                        |          |      |
|               |                           |   |  |  |            |                     | -                          |            |         |            |     |                      |                     |                        |          |      |

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| ROJECT: 25         | 3568                            | JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 70  | 32 -T&C JOB            | 1                |            |                              |            |            |                    |                         |                 | R: 2960700  |
|--------------------|---------------------------------|---|--|------------------------|------------------|------------|------------------------------|------------|------------|--------------------|-------------------------|-----------------|-------------|
|                    |                                 |   | O BLK 7G2 T&C JOB 1 STAT   | TUS: ACT               |                  |            |                              |            |            |                    |                         |                 |             |
| OCATION: 3         | 81 SHEI                         | ET: 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  | R                      |                  |            |                              |            | PHO        | NE: 999-99         | 199                     | LOCATIO         | N 381 OF 58 |
| WRK <br>F-C MU ID  | <br> AU ID                      | [<br> STOCK#                                    | DESCRIPTION/CONSTRUCTION NOTES   | i qty<br>i rqd         | UM               | WRK        | MAT                          | TIM<br>TRT | ACC        | STANDARD<br>  PAGE | I CREW<br>I TYPE        | EST  <br> HOURS |             |
| I-N <br>           | $I \rightarrow H \cap - \Delta$ |   | HAND DIG TRENCH 3 FT DEEP AVE  | [ 14                   | FT               | I C        | 1                            | S          | С          | G7453              | 13-₩F3                  | 5.51            |             |
| I-N <br>           | BKF-3'                          | ן [<br>ו נ                                      | BACKFILL TRENCH 3 FOOT DEEP  | [ 14<br>               | FT<br>           | C<br>      |                              | S          | C<br>      |                    | 3-WF3<br> C-BC          | 0.2             |             |
| I-N                | SHD-12<br>                      | i i   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | i 14<br>I 1            | TN<br>           | C<br> <br> | i c i<br>I I                 | S          | C<br> <br> | G7405<br> <br>     | 3-WF3<br> C-BH<br> C-DT | 1 I<br>1 I      |             |
| 1                  | 1                               | <br> 249664 <br>                                | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 14<br>i 14           | FΤ               | C<br>I     | <br>  C                      | S          | C          | 3373.1             | 3-WF3<br>               | 1 1             |             |
| I-N                | R-XCES                          | i i   | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | . –                    | IFT<br>CY        | i c        | <br>  C                      | s          | i c        | 1                  | C-DT                    | <br>  0_4 <br>  |             |
| I-N!               | I PLANTU                        | I I   | REMOVE/REPLACE LANDSCAPING   |                        |                  | c          |                              | s          | с          | 1                  | 3-WF3                   | 1.4             |             |
| I-N!               | BH03XH<br> <br>                 | <br> X20201 <br> 114215                         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  |                        | EA<br>TN         |            |                              | S          |            | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 0.2             |             |
| [                  | [                               | <br> X:300071                                   | TRENCH SPOIL 3 FT DEPTH<br>DUMFING FEE   | ,<br>  5               | <br>  FT<br>  CY | i c        |                              | S          | с          | <br>               | C-DT                    | í í             |             |
| I-N                | SLR-18<br>                      | [   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   |                        |                  |            |                              |            |            | G7409              |                         | i i             |             |
| E-N <br> <br> <br> | 1EB3IN <br> <br> <br> <br>      | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 1<br>  5<br>  1<br>  1 | CY<br>FT<br>EA   |            | C  <br>  C  <br>  C  <br>  C |            |            | <br> <br>          | <br> <br>               |                 |             |
| I-N[               | <br> LN-S/U                     |   | TC-LANE CLOSURE URBAN STREET   |                        | <br>  EA         | c          |                              | ទា         |            | 1                  | <br>  TC3               | 1.0             |             |
| E-N                |                                 | ŧ   | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1 1                    | EA               | С          | i i                          |            |            |                    | j TC4                   | 1.0             |             |
|                    |                                 | •   | REMOVE/REPLACE LANDSCAPING   | I<br>I 5               |                  | с          |                              | s I        |            |                    |                         | 0.51            |             |

SEE SHT 9

|           | 3568 3          | JOB:01             | REV:0                     | TYPE:    | UD N               | AME: ROI    | LANDO BLK 7                           | G2 -T&C J0  | DB 1             |             |                |                |              |                  | CT WO          |                  | R: 2960700                            |
|-----------|-----------------|--------------------|---------------------------|----------|--------------------|-------------|---------------------------------------|-------------|------------------|-------------|----------------|----------------|--------------|------------------|----------------|------------------|---------------------------------------|
| SIGN: 01  |                 |                    |                           |          |                    |             |                                       | TUS: ACT    |                  |             |                |                |              | <b></b>          |                |                  |                                       |
|           |                 |                    |                           |          | DESIGNE            | D BY: G     | EORGE BONNE                           | R           |                  |             | ÷              |                |              |                  |                |                  | N 382 OF 58                           |
| RK <br>   | <br> AU ID      | <br>  stock#       | I                         | DESCRIPT | ION/CON            | STRUCTIO    | ON NOTES                              | QT<br>  RQI | 2<br>)<br>) 100M | WRK<br> RSP | MAT  <br>  RSP | TIM <br>TRT  2 | ACC  <br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE | EST  <br>  HOURS |                                       |
| -N        | 13309261        | í I                | HAND HO                   | DE 3309. | .2 37"X            | 26" X       | 26"                                   | 1           | 1 EA<br>1 EA     | i c         |                | S  <br>        | C I          | 3309.2           | 3SWF3<br>      | 0.8 <br>         |                                       |
| -N  <br>[ | <br> x09H26<br> | <br>   <br> 162690 | QUAZI<br>INSTALI<br>QUAZI | EXCAVA   | TION/RE<br>37"X26" | MOVE<br>26" |                                       | <br> <br>   | 1 EA<br>1 EA     | C<br>       | <br>  c        | [              | с  <br>[     | 3309.2           | 1              | [ 0.8]<br>[ ]    |                                       |
|           | 1-3SLB          | 3220481            | 1-3 IN                    | CONDUIT  | DB 3 I             | N 90 D      | SLURRY ENC<br>36 IN R                 | 1           | 4   EA<br>1   CY |             |                | S  <br> <br>   | C  <br> <br> | 3373.2           | 1<br>1         | 0.2 <br>         |                                       |
| i         | 1               |                    | REMOVE,                   |          |                    |             |                                       | 1           | i<br>l FT        | <br>  c     | 1<br>  1       | s l            | c            |                  | <br> 3-WF3     | 0.1              |                                       |
|           |                 |                    | EXIS                      | r tag    | NEW TA             | G           |                                       |             |                  | oone        | 111001         | 104            | NOTE         | .5               |                |                  |                                       |
|           |                 |                    | EXIST                     | r tag    | NEW TA             | ſĠ          |                                       | SEE SHT     |                  | 00110       | 111001         | 100            | NQ 11        | .5               |                |                  |                                       |
|           |                 |                    | EXIS:                     |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              | ,5<br><b></b> _  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             | · · · · · · · · · · · · · · · · · · · | SEE SHT     |                  |             |                |                |              |                  |                |                  | · · · · · · · · · · · · · · · · · · · |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |
|           |                 |                    |                           |          |                    |             |                                       | SEE SHT     |                  |             |                |                |              |                  |                |                  |                                       |

| P001EM2-L<br>9/05/17 1 |                 | ····                    |   | DPSS - DESIGN  | GAS AND E | PY - DE           | TAII                     |            |                |                |            |                  |                           | PI                | AGE NO 425   |
|------------------------|-----------------|-------------------------|---|----------------|-----------|-------------------|--------------------------|------------|----------------|----------------|------------|------------------|---------------------------|-------------------|--------------|
| ROJECT: 2              | 53568           | JOB:01                  | REV:0 TYPE: UD  | NAME: ROLANDO  | BLK 7G2 - | T&C JOB           | 1                        |            |                |                | 5          | STATUS: AC       | T WOR                     | RK ORDEI          | R: 2960700   |
| ESIGN: 01              | NAME            | ROLAND                  | D BLK 7G2 T&C JOB 1   |                | STATUS:   | ACT               |                          |            |                |                |            |                  |                           |                   |              |
| OCATION:               | 383 SHEI        | ET: 01 :                | DISTRICT: CM DESIG  | NED BY: GEORGE | BONNER    |                   |                          |            |                |                | PHOI       | NE: 999-99       | 99 1                      | LOCATIO           | N 383 OF 587 |
| WRK[<br>F-C MU ID      | l<br>IAU ID     | <br> stock#             | DESCRIPTION/C   | ONSTRUCTION NO | TES       | I QTY             | ]<br> UM                 | WRK<br>RSP | MAT            | TIM            | ACC<br>TRT | STANDARD<br>PAGE | CREW                      | EST  <br> HOURS   |              |
| I-N                    | 3'HD-A          | [ ]                     | HAND DIG TRENCH 3   | FT DEEP AVE    |           | 1 19              | $ \mathbf{TT} $          | С          | 1              | ្រា            | ¢          | G7453            | 3-WF3                     | 7.3               |              |
|                        | I               | I I                     | BACKFILL TRENCH 3 F   | OOT DEEP       |           | <br>  19<br>      | ET <br>  ET              | С          | <br> <br>      | 5  <br>  5     | с          |                  | 3-WF3<br>  C-BC           | 0.3               |              |
| I-N <br> <br>          | i i             | 611492 <br>             |   |                |           | 19<br>  1         | FT  <br>  TN  <br>       | С          | <br>  C<br>    | S  <br>   <br> | С          | G7405<br> <br>   | 3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1<br>0.1 |              |
| Ξ−N  <br>[             | [               | <br> 2496641            | 1-3 IN DE CONDUIT S<br>CONDUIT DE 3 IN 2                      |                |           | i 19<br>i 19      | FT                       | С          | l<br>C         | 1 1            | С          | <br> 3373.1<br>  | <br>  3-WF3<br>           | 0.3               |              |
| I-N <br> <br>          | R-XCES          |                         | EXCESS TRENCH SPOIL<br>DUMPING FEE                            | (12 IN DEEP)   |           | i 19<br>I 2       |                          | С          |                | S  <br>        |            | 1                | <br>  C-DT<br>            | 0.5               |              |
| I-N                    | PLANTU          | ]                       | REMOVE/REPLACE LANE   | SCAPING        |           | į 4               | FT                       | С          |                |                |            | l                |                           |                   |              |
| I-N                    | <br> CC-2CT     | I I                     | CONCRETE 2 SAW CUT  | AND BREAK MEC  | H         | 15                | FT [                     | С          | I              |                | С          | I                | SR3AS                     | 0.61              |              |
| I-N                    | <br> CF-H12     | 1 İ                     | FINISH CONCRETE SUR   | FACE MAN 12    | IN        | 15                |                          | С          | i              | S              | -          | l                | SR3CS                     |                   |              |
| <br>I-N                | <br> AS-2CT     | i 1                     | ASPHALT 2 SAW CUT   | AND BREAK MEC  | н         | i 10              | ]  <br> FT[              | С          | i              | <br>  S        | С          | i                | SR3AS                     | <br>  0.3[        |              |
| I-N[                   | Í.              | <br> 114201             | ASPHALT BASE MECH<br>ASPHALT (BASE)                           | 18 IN          |           | 10<br>  2         | TN                       | С          | l<br>C         | [ ]            | с          | -<br> <br>       | [C-BC<br>[SR4AL           | 0.3               |              |
| I-N <br> <br>          | BH03XH          | X20201                  | MACH DIG TRENCH 3<br>TRAFFIC BEARING S<br>ASPHALT, COLD MIX   | TEEL PLATE     |           | 10<br>  8<br>  1  | FT  <br>  EA  <br>  TN   | С          | <br>  C<br>  C | S  <br>   <br> | С          | G7453<br>        | C-BC<br>  C-BH<br>  3SWF4 | 0.8               |              |
| I<br>I<br>I            | REM-3'          | <br> X30007             | TRENCH SPOIL 3 FT<br>DUMPING FEE                              | DEPTH          |           | 10<br>  3         | FT <br> CY               | С          | l<br>I C       | i i            | С          | <br>             | C-DT<br>                  | i i               |              |
| I – N  <br> <br>       | SLR-18<br>      |                         | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SAC                       |                | N DEEP    | 30<br>  2         | FT                       | С          | i              | i 1            | С          | G7409            |                           | 0.1               |              |
| I-N <br> <br>          | 1EB3SL<br>      | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT S<br>CONDUIT DB 3 IN 2<br>SLURRY MIX, 1 SAC | 0 FT LENGTH    |           | 36<br>  36<br>  1 | FT  <br>  FT  <br>  CY   | С          | іс<br>іс.      | S  <br>        | с          | 3376.1           | 3-WF3<br> <br>            | 0.5               |              |
|                        | 1EB3-В<br>]<br> | (  <br> 248201          | 1-3 IN DB 90 D 36 I<br>CONCRETE - 2 SACS<br>BEND CONDUIT DB 3 | (GRAVEL MIX)   |           | 2<br>  1<br>  2   | EA  <br>  CY  <br>  EA ] | С          |                | S              | С          | 3376.1           |                           | 0.1               |              |
| I-N <br>1              |                 | i i                     | TC-LANE CLOSURE URE   | AN STREET      |           | 1 1               | EA]                      | С          |                | I S            | С          |                  | TC3                       | 1.01              | <u> </u>     |
| I-N]                   |                 |                         | LANE CLOSURE URBAN  | ST (STREET REP | AIR)      |                   | <br> EA]                 |            |                |                |            |                  | <br> TC4                  |                   |              |

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| 9/05/17 11<br>        |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  | 700     |
|-----------------------|--------|--------------|---------|-----------------------|---------|---------|----------|---------------------------------------|---------------------------------------|--------------|----------|-------|---------|----------|----------|--------------|---------------------------------------|--|---------|
| OJECT: 25             | 3568 0 | JOB:01       | REV:0   | TYPE                  | : UD    | NAME :  | ROLANDO  | ) BLK 7G2                             | -T&C JOB                              | <u> </u>     | <b>_</b> |       |         |          |          |              |                                       | ER: 2960                               |         |
| SIGN: 01              |        |              | O BLK 7 | G2 T&C J              | ов 1    |         |          | STATU                                 | S: ACT                                |              |          |       |         |          |          |              |                                       |  |         |
| CATION: 3             |        |              | DISTRIC | T: CM                 | DESIGN  | NED BY: |          |                                       |                                       |              |          |       | P       | HONE     | : 999-99 | 999          | LOCATI                                | ON 383 O                               | £ 58    |
| TRK                   |        | <br>  STOCK# |         | DESCRIP               | TTON/CO | ONSTRUC | CTION NO | DTES                                  | I ROD                                 | UM           | RSP      | RSP 1 | RTIT    | RT [     | TANDARD  | [TYPE        | HOURS                                 | 1                                      |         |
| <br>[-N]              | 1      | i<br>I       |         | E/REPLAC              |         |         |          |                                       | 1                                     | <br> FT      | ا<br>د ا | 1     | <br>S   | 1<br>C 1 |          | 1            | <br>3  1.0                            | <br>                                   |         |
| I-N <br>              | XING-U | 1            | ASE     | AFFIC CO<br>PHALT, CO |         |         | SET CROS | SINGS                                 | i 1                                   | FT  <br>  TN | CI       | c 1   | 5  <br> | c i      |          | TC4<br> <br> | 0.1<br> <br>                          | ·                                      | <u></u> |
|                       | XING/S | 1            |         | IC COND.              | (XING   | LANE)   | STREET   | REPAIR                                | i 1                                   |              |          |       |         |          |          | TC4          | [ 0.1                                 | 1                                      |         |
| NORK FAC<br>FUNC CODE |        |              | EXI     | ST TAG                | NEW 7   | IAG     |          |                                       |                                       | c            | ONST     | RUCT  | ON N    | IOTES    | 3        |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       | SEE SHT                               | 9,10         |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       | · · · ·                                |         |
|                       |        |              |         |                       |         |         | 1.7.V    |                                       |                                       |              | _        |       |         |          |          |              |                                       | · · · ·                                |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       | ······································ |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       | ······                                 |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       | ·····                                  |         |
|                       |        |              |         |                       |         |         |          |                                       | · · · · · · · · · · · · · · · · · · · |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       | · · · · · · · · · · · · · · · · · · ·  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       | · · · · · · · · · · · · · · · · · · · |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          | · · · · · · · · · · · · · · · · · · · |                                       |              |          |       |         |          |          |              | ······                                |  |         |
|                       |        |              |         |                       |         |         |          | · · · · · · · · · · · · · · · · · · · |                                       |              |          |       |         |          |          |              | · · · · · · · · · · · · · · · · · · · |  |         |
|                       |        |              |         |                       |         |         |          | · · · · · · · · · · · · · · · · · · · |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |
|                       |        |              |         |                       |         |         |          |                                       |                                       |              |          |       |         |          |          |              |                                       |  |         |

| ROJECT: 2         | 53568           | JOB:01                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB             | 1                            |           |           |             |          | STATUS: AC         | T WO           | RK ORDE                 | R: 2960700   |
|-------------------|-----------------|--------------------------|---|---------------------|------------------------------|-----------|-----------|-------------|----------|--------------------|----------------|-------------------------|--------------|
|                   |                 |                          | O BLK 7G2 T&C JOB 1 STATUS:   |                     |                              |           |           |             |          |                    |                |                         |              |
| OCATION:          | 384 SHE         | ET: 01                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                              |           |           |             | PHO      | NE: 999-99         | 99             | LOCATIO                 | N 384 OF 587 |
| F-C¦MU ID         | AU ID           | <br> STOCK#              | DESCRIPTION/CONSTRUCTION NOTES  | RQD                 | UM                           | RSP       | RSP       | TRT         | TRT      | STANDARD<br>  PAGE | TYPE           | HOURS                   |              |
| +<br>I-N          | 13'HD-A         |                          | HAND DIG TRENCH 3 FT DEEP AVE   | 24                  | FT                           | CI        |           | S           | C        | G7453              | 3-WF3          | 9.11                    |              |
| I-N               | <br> BKF-3'     | i i                      | BACKFILL TRENCH 3 FOOT DEEP   | 24                  | ] FT [                       | C         |           |             | ļĆ<br>I  | i                  | 3-WF3<br> C-BC | 0.4[<br>  0.4[          |              |
| I <b>-N</b>  <br> | 1               |                          | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | [ 2                 | FT  <br>  FT  <br>  TN  <br> |           | ¢         | <br>  S<br> | I C      | G7405              | 3-WF3<br> C-BH | 0.1 <br>  0.1 <br>  0.1 |              |
| ∑-N[<br>          | 1               | 249664                   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 24                  | FT                           |           | С         | 1           | i c<br>I | 3373.1<br>         | 3-WF3<br>      | 1                       |              |
| <br> <br> <br>    | R-XCES          |                          | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 24<br>  3           | FT  <br>  FT  <br>  CY       | C         | l c       | S           | 1        | Ì                  | <br> C-DT<br>  | 0.6<br>2.4              |              |
| I-N               | ] PLANTU        | I I                      | REMOVE/REPLACE LANDSCAPING  | 24                  | FT                           | С         |           | S           | i c      | <br> <br>          | 3-WF3          | 1 2.4                   |              |
| I-N               |                 | i i                      | ASPHALT 2 SAW CUT AND BREAK MECH  | 20                  | FT                           | c         |           | I S         | C        | 1                  |                | 0.5                     |              |
| I-N <br>          | i i             | 1 1                      | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | i 20<br>I 3         | FT  <br>  FT  <br>  TN       | с         | C         | •           | i        | i                  | IC-BC          | 0.5 <br>  0.5 <br>  1.2 |              |
| I-N               | BH03XH          | [<br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 1 30<br>1 23<br>1 1 | FT<br>EA<br>TN               | С         | C<br>C    | S<br> <br>  |          |                    | C-BH<br> 3SWF4 | 1 2 4                   |              |
|                   | REM-3'<br>[     | <br>  X300071            | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 30<br>  8           |                              | C  <br>   | 1         |             | C<br>    | 1                  | C-DT           | i i                     |              |
| Σ-N [<br> <br>    | SLR-18<br>      | i i                      | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 90                  |                              | i c       | I         | ្រន         | i c<br>I | IG7409             |                | 0.2                     |              |
| I-N               | 1EB3SL          | <br> 249664              | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 46<br>  1           | FT<br>CY                     |           |           | S<br>       | i c<br>I | 13376.1<br>        | 3-WF3          | 0.6                     |              |
| I-N[              | LN-S/U          | i i                      | TC-LANE CLOSURE URBAN STREET  |                     | ÊĂ                           | C '       | <br> <br> | S           | i c      |                    |                | 1.0                     |              |
| I-N               | l<br>[LN/S/S    | i i                      | LANE CLOSURE URBAN ST (STREET REPAIR)   |                     | EA                           |           | <br> <br> | S           |          | ]                  | TC4            | 1.0                     |              |
| I-N!              | I<br>I PLANTU   | i i                      | REMOVE/REPLACE LANDSCAPING  |                     | <br> FT                      | <br>  C . | <br> <br> | S           |          | 1                  | 3-WF3          | 1.0                     |              |
| I-NI              | <br> XING-U<br> | i i                      | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX                                 | 1                   | ( TN                         |           | C         | S<br>       | 1        |                    | TC4<br>        | 0.1                     |              |
| I-N]              | <br> XING/S     |                          | TRAFFIC COND. (XING LANE) STREET REPAIR   | 1                   | <br>  FT                     |           |           | <br>  S     |          |                    | <br>  TC4      | •                       |              |

| DP001E1<br>09/05/3 |             |      | 01     |             |       |          | Si<br>DPSS - | AN DIEGO<br>- DESIGN | GAS AND<br>REVIEW ( | ELECTRIC<br>COPY - DETA | AIL            |     |         | PA         | GE NO    | 428      |
|--------------------|-------------|------|--------|-------------|-------|----------|--------------|----------------------|---------------------|-------------------------|----------------|-----|---------|------------|----------|----------|
| PROJEC             | r: 2535     | 68 . | JOB:01 | REV:0       |       |          | NAMË :       | ROLANDO              | BLK 7G2             | -T&C JOB 1              |                |     |         | WORK ORDER |          | 00       |
| DESIGN             | : 01        |      |        | IDO BLK 7G2 | T&C J | IOB 1    |              |                      | STATUS              | S: ACT                  |                |     |         |            |          |          |
| LOCATI             |             |      |        | DISTRICT:   |       |          | SNED BY      | : GEORGE             | BONNER              |                         |                |     |         | LOCATION   | 384 OF   | 587      |
| WORK<br>FUNC       | FAC<br>CODE | DESC |        | EXIST       | TAG   | NEW      | TAG          |                      |                     | SEE SHT 5               | CONSTRUCTION   |     |         |            | • •      |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        | <b></b>     |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      | -      |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                | ~~~ |         |            |          |          |
|                    |             |      |        |             |       | <u>.</u> |              | <del>.</del>         |                     |                         |                |     | <u></u> |            | •        | <u> </u> |
| <u> </u>           |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         | · • • •        |     |         |            |          | <u> </u> |
|                    |             |      |        |             |       |          |              |                      |                     | ·                       |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      | =                   |                         | ···· <b>··</b> |     |         |            |          |          |
| <u> </u>           |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       | ÷        |              |                      |                     |                         |                |     |         |            | -        |          |
|                    |             |      |        |             |       |          |              |                      | <u> </u>            |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          | <u> </u> |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          | ~        |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         |                |     |         |            |          |          |
|                    |             |      |        |             |       |          |              |                      |                     |                         | ·              |     |         |            | <u>~</u> |          |

| ROJECT: 25            | 3568         | JOB:01<br>                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOE          | 1                    |              |               |                        |                | STATUS: AC      | T WO                | RK ORDE             | R: 2960700   |
|-----------------------|--------------|------------------------------|---|-------------------|----------------------|--------------|---------------|------------------------|----------------|-----------------|---------------------|---------------------|--------------|
|                       |              |                              | D BLK 7G2 T&C JOB 1 STATU   |                   |                      |              |               |                        |                |                 |                     |                     |              |
|                       |              |                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                      |              |               |                        | PHO            | NE: 999-99      | 99 1                | LOCATIÇ             | DN 385 OF 58 |
| WRK <br>F-C MU ID     | <br> AU ID   | <br> STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES  | 1 QTY<br>1 RQD    | <br>  UM             | WRK<br>  RSP | MAT<br>] RSP  | ] TÍM<br>  TR <b>T</b> | ( ACC<br>  TRT | STANDARD        | CREW                | EST                 |              |
| I-N                   | :3'HD-A      |                              | HAND DIG TRENCH 3 FT DEEP AVE   | 21                | FT                   | C            | 1             | S                      | 01             | G7453           | 3-WF3               |                     |              |
| I-N <br>              | BKF-3 '<br>  | i t<br>I t                   | BACKFILL TRENCH 3 FOOT DEEP   |                   | FT<br>               | i c<br>I     | 1             | ] S<br>]               | l C<br>I       | Ì               | <br> 3-WF3<br> C-BC | 0.31                |              |
| <br> -N <br> <br>     | SHD-12<br>   |                              | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | 1 2               | <br>  FT<br>  TN<br> | i c<br>I     | i<br>i č<br>i | I S                    | C<br> <br>     | G7405<br>[<br>[ | C-BH<br> C-DT       | 0.1 <br>0.1 <br>0.1 |              |
|                       | I.           |                              | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                       | 21                | FT                   |              | С             | [ S<br>                |                | 3373.1<br>      | <br> 3-WF3<br>      | 0.3                 |              |
|                       | R-XCES       | i i<br> x30007               | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 21<br>  2         | ) CY                 | [ C<br>      | <br>  C       | <br>  S<br>            | <br>  C<br>    |                 | <br>  C-DT<br>      | 0.5                 |              |
| I-N 1                 | PLANTU       | i i                          | REMOVE/REPLACE LANDSCAPING  | I 5               |                      | i c          | 1             | <br>  S                | l<br>c         | Ì               | <br> 3-WF3          |                     |              |
| I-NI                  | CC-2CT       | i i                          | CONCRETE 2 SAW CUT AND BREAK MECH   | 16                |                      | c            |               | <br>  S                | i c            |                 |                     | 0.6                 |              |
| I-N                   | ICF-H12      |                              | FINISH CONCRETE SURFACE MAN 12 IN   | 15                |                      | i c          | i             | )<br>  \$              |                |                 | <br>  SR3CS         | 0.1                 |              |
| I-NÍ<br>I             | [1EB3SL<br>[ | <br> 249664 <br> 656400 <br> | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 ŞACK SAND | 44<br>  44<br>  1 | FT<br>  CY           | ic<br>I      | C<br>  C      |                        | i C<br>I       | 3376.1<br> <br> |                     | 0.6                 |              |
| [-N                   | LN-S/U       | I I                          | TC-LANE CLOSURE URBAN STREET  | i 1               | EA                   | i c          | •             | S                      | •              | 1<br>I          | <br>  TC3           | 1.0                 |              |
|                       | <br> LN/S/S  | 1 í                          | LANE CLOSURE URBAN ST (STREET REPAIR)   | i 1               | EA                   | [<br>] C     |               | I S                    | 1              | l<br>I          | 1<br>  TC4          | 1.0[                |              |
| [N                    | <br>  PLANTU | i i                          | REMOVE/REPLACE LANDSCAPING  | i 10              |                      | C I          |               | 5                      |                | Ì               | !<br> 3-WF3         | 1.01                |              |
| I-NI<br>I             |              | i i                          | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX                                 | 1                 | FT<br>  TN           | i            | <br>  C       |                        | i c            | 1               |                     | 0.1                 |              |
|                       | XING/S       |                              | TRAFFIC COND. (XING LANE) STREET REPAIR   |                   |                      |              | <br>  .       |                        |                | •               | <br> TC4            |                     |              |
| VORK FAC<br>TUNC CODE |              |                              | EXIST TAG NEW TAG   |                   |                      | CONS         | IRUC:         | rion                   | NOTI           |                 | <b></b>             |                     |              |
|                       |              |                              |   | SEE SHT 5         |                      |              |               |                        |                |                 |                     |                     |              |

| DP001EM2-L<br>09/05/17 1 | OCAL40-00<br>1:36   | )1                 | SAN DIEGO GAS AND :<br>DPSS ~ DESIGN REVIEW C   | ELECTRIC<br>OPY - DE | TAIJ                       |               |                |                  |              |                 |                         | P.                      | AGE NO 430                              |
|--------------------------|---------------------|--------------------|---|----------------------|----------------------------|---------------|----------------|------------------|--------------|-----------------|-------------------------|-------------------------|---|
| ROJECT: 2                | 63560 1             | 10P-01             | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOB             | 1                          |               |                |                  |              | STATUS: AC      | T. MOR                  | RK ORDE                 | R: 2960700                              |
| DESIGN: 01               | NAME :              | ROLAND             | O BLK 7G2 T&C JOB 1 STATUS  | : ACT                |                            |               |                |                  |              |                 |                         |                         |   |
| LOCATION:                | 386 SHEE            | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                      |                            |               |                |                  |              |                 |                         |                         | N 386 OF 587                            |
| WRK <br> F-C MU IE       | AU ID               | <br> STOCK#        | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD         | <br>  UM                   | WRK<br>RSP    | MAT<br> RSP    | TIM<br>  TRT     | ACC          | STANDARD        | CREW<br> TYPE           | EST  <br>  HOURS        |   |
| I-N                      | [3'HD-A]            | I I                | HAND DIG TRENCH 3 FT DEEP AVE   | 16                   | FT                         | C             | 1              | 1 5              | C            | G7453<br>       | 3-WF3                   | 6.3                     |   |
| <br> I-N[<br>]           | <br>  BKF-3 '  <br> | i i                | BACKFILL TRENCH 3 FOOT DEEP   | 1 16                 | <br>  FT<br>               | C<br>         | <br> <br>[     | S<br>            | 1<br>1       | L<br>L<br>1     | 3-WF3                   | 0.21                    |   |
| I-N <br>  I-N <br>       | <br>  SHD-12        |                    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED   | 16<br>  1            | FT<br>  TN<br>             | 1 C<br>1<br>1 | <br>  C        | IS<br>I          | C<br> <br>   | G7405<br>       | 3-WF3<br> C-BH<br> C-DT | <br>   <br>1            |   |
| <br> I-N <br>            | j1DB3-S             | 2496641            | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH   | 16<br>  16           | FT<br>  FT                 | l             | ιc             | S                | [С<br>1      | <br> 3373.1<br> | 3–₩£3                   | 1 I                     |   |
|                          | ſ                   | <br> X300071       | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 16<br>  2            | FT                         | 1 C           | 1              | IS               | I C          |                 | ,<br> C-DT<br> <br>     | 0.4                     | • · · · · · · · · · · · · · · · · · · · |
| <br> I-N[                | PLANTU              |                    | REMOVE/REPLACE LANDSCAPING  | i 1                  | FT                         | C             | 1              | S                | • •          | [               | 3-WF3                   | 0.1                     |   |
| <br> 1-N                 |                     | í I                | CONCRETE 2 SAW CUT AND BREAK MECH   | 1 1                  |                            | i c           |                | S                | •            | •               | (SR3AS                  | i i                     |   |
| <br> I-N                 | <br> CF-H12         | ! I                | FINISH CONCRETE SURFACE MAN 12 IN   | j 1                  |                            | jC            |                | I S              |              |                 | \$R3CS                  | i i                     |   |
| (  <br> I-N              |                     | i i                | ASPHALT 2 SAW CUT AND BREAK MECH  | į 20                 | ) FT                       | <br>  C       | i              | ŝ                | i c          | Ì               | SR3AS                   | 0.5                     |   |
| I-N <br>  I-N            |                     | <br> 114201        | ASPHALT BASE MECH 18 IN<br>  ASPHALT (BASE)   | 1 20                 | )<br>  FT                  |               | i –            | S                | I C          |                 | [C-BC<br>[SR4AL         |                         |   |
| <br> I-N <br>            | [                   | X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX   | 30<br>  23<br>  1    | )   FT<br>}   EA<br>    TN | [ C<br> <br>1 | <br>  C<br>  C | S<br> <br>       | C<br> <br>   | G7453<br> <br>  | C−BC                    | 1.2 <br>  1.2 <br>  2.4 |   |
| [<br> 1-N <br>           | REM-3 '             | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 30<br>1 8          | )<br> FT<br> CY            | i c<br>I      | i<br>I ¢       | <br>  S<br> <br> | C<br>        | 1               | TC-DI                   | 2.6                     |   |
| <br> I-N]<br>            | SLR-18<br>          | 1656400            | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | i 90                 | 5 CY                       | i c           | <br>  C        | S                | i c          | G7409           | 1                       | 0.2                     |   |
| [  <br> I-N <br>  [<br>  | 1EB3SL              | 249664             | 1-3 IN EB CONDUIT SLURRY ENCASED<br>  CONDUIT DB 3 IN 20 FT LENGTH  |                      | 5 FT<br>5 FT               |               | <br>  C<br>  C | S                | L C<br> <br> | 3376.1<br> <br> | 3-WF3                   | 1.1                     |   |
| <br>  I-N]<br>   <br>    | [                   | 1322048            | SLURRY MIX, 1 SACK SAND<br>1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                      | 2   EA<br>2   EA           | i C           | l<br>I C       | S<br>            | i c          | 3373.2<br> <br> | 3-WF3<br> <br>          | [                       |   |
| <br> I-N[                | LN-S/U              |                    | I TC-LANE CLOSURE URBAN STREET  |                      |                            |               |                | S<br>            |              | •               |                         | 1 1.0                   |   |
| <br> I-N                 | <br> LN/S/S         |                    | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   |                      | <br>1   E <i>R</i>         | i c           | ι<br>          | S                | C            | i<br>]          | TC4                     | 1 1.0                   | ·                                       |

| 251GN: 01  | NAME: ROLA<br>SHEET: 02<br>U ID  STOCK<br> <br>ANTU <br> <br>NG-U <br>  11421 | #  DESCRIPTI<br>-+<br> <br>  REMOVE/REPLACE<br>1 | 0 1<br>ESIGNED BY:    | STAT            | US: ACT                               |              |        |         |            |             |            |          | R: 2960700   |
|--|---|--|-----------------------|-----------------|---------------------------------------|--------------|--------|---------|------------|-------------|------------|----------|--------------|
| CATION: 386           'RK           CIMU ID  AU          CIMU ID  AU          CIMU ID  AU  | SHEET: 02   | DISTRICT: CM I<br># DESCRIPTI # REMOVE/REPLACE   | DESIGNED BY:          | : GEORGE BONNER | QTY                                   |              |        |         | PHO        | DNE: 999-99 | 99         | LOCATIO  | N 386 OF 58  |
| VRK                      F-C MU ID  AU           - </td <td> <br/>J ID  STOCK<br/> <br/> <br/>ANTU <br/> <br/>NG-U <br/> 11421<br/> </td> <td>t DESCRIPTI</td> <td>ON/CONSTRUC</td> <td></td> <td>  QTY</td> <td></td> <td></td> <td></td> <td>PHO</td> <td>NE: 999-99</td> <td>99</td> <td>LOCATIO</td> <td>N 386 OF 587</td> | <br>J ID  STOCK<br> <br> <br>ANTU <br> <br>NG-U <br> 11421<br>                | t DESCRIPTI                                      | ON/CONSTRUC           |                 | QTY                                   |              |        |         | PHO        | NE: 999-99  | 99         | LOCATIO  | N 386 OF 587 |
| F-C MU ID  AU  | J ID  STOCK<br> <br> <br> ANTU <br> <br> <br>NG-U <br>  11421<br>             | #  DESCRIPTI<br>-+<br> <br>  REMOVE/REPLACE      |                       | CTION NOTES     |                                       | 1 1          |        |         |            |             |            |          |              |
| [  <br>[-N    PL<br>[  <br>[-N    XI:<br>[  <br>[-N    XI:<br>WORK FAC   | ANTU <br>   | I<br>REMOVE/REPLACE                              |                       |                 |                                       |              |        |         | RTITR      | STANDARD    | TYPE       | HOURS    |              |
| I-N   XI<br>   <br>I-N   XI<br>VORK FAC  | ING-U<br> 11421<br>   |  | LANDSCAPING           | G               | 10                                    | FT           | C      |         | I          | 1           | <br> 3-WF3 | •        |              |
| -N   XI  |   | 51 ASPHALT, COLI                                 | DÍTIONS STRE<br>D MIX | EET CROSSINGS   | 1<br>  1                              | FT  <br>  TN | C 1    | C       | s I C<br>I | 1           | TC4        | 0.1 <br> |              |
|  | NG/S  | TRAFFIC COND.                                    |                       | STREET REPAIR   | ] 1                                   | FT           | C J    |         | s I c      |             | <br>  TC4  |          |              |
| TINC CODE  | DESC  | EXIST TAG  |                       |                 |                                       |              |        | יסוומיי | ON NO      |             |            |          |              |
| 0000   | 5250  | BAIDI ING  | HEN LENG              |                 | SEE SHT 5                             |              | .01001 |         |            | .55         |            |          |              |
|  |   |  |                       |                 |                                       |              |        | ·       |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  | •   |  | -                     |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 | · · · · · · · · · · · · · · · · · · · |              |        |         |            |             |            | •        |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   | <i>,</i>   |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |
|  |   |  |                       |                 |                                       |              |        |         |            |             |            |          |              |

| DP001EM2-L<br>09/05/17 1         |                  | 01                 | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | LECTRIC           | FAII               |             |                |             |              |                    |                         | P                     | AGE NO 432   |
|----------------------------------|------------------|--------------------|---|-------------------|--------------------|-------------|----------------|-------------|--------------|--------------------|-------------------------|-----------------------|--------------|
| PROJECT: 2                       | 53568            | TOB • 01           | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB           | 1                  |             |                |             |              | STATUS: AC         | T WOE                   | RK ORDE               | R: 2960700   |
| DESIGN: 01                       | NAME             | ROLAND             | O BLK 7G2 T&C JOB 1 STATUS:   | ACT               |                    |             |                |             |              |                    |                         |                       |              |
| LOCATION:                        | 387 SHEI         | ET: 01 1           | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |             |                |             | PHO          | NE: 999-99         | 199 I                   | LOCATIO               | N 387 OF 587 |
| WRK]                             |                  |                    |   | ROD               | I UM I             | RSP         | RSP            | TRT         | TRT          | STANDARD<br>  PAGE | TYPE                    | HOURS                 |              |
| I-N                              | 3'HD-A           | I I                | HAND DIG TRENCH 3 FT DEEP AVE   | 27                | EFT                | C           | 1              | IS          | C            | G7453              | 3-WF3                   | 10.2                  |              |
| <br> I-N <br>]                   | <br> BKF-3'<br>] | i i                | BACKFILL TRENCH 3 FOOT DEEP   | 27<br>            | FT                 | с           | <br> <br>      | <br>  S<br> | l<br>  C<br> |                    | 3-WF3<br> C-BC          | 0.41                  |              |
| <b> </b><br>  <b>I</b> -N  <br>  | SHD-12<br> <br>  | 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                             | 27<br>  2         | FT<br>  TN         |             | l              | S           | C            | G7405<br> <br>     | [3-WF3                  | 0.1                   |              |
| [  <br> I-N <br>  [              | 11DB3-S          | <br> <br> 249664   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | 27                | FΤ                 | i c         | С              | 1           | [            |                    | 10 1120                 | [ ]                   |              |
| 1  <br>  I-N <br>1               | R-XCES           | L I                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 27<br>  3         | FT<br> CY          | C<br>       | <br>  C        | \$<br>      | C<br>        | 1<br>5<br>1        |                         |                       |              |
| <br>  I-N                        | CC-2CT           | 1 1                | CONCRETE 2 SAW CUT AND BREAK MECH   | 27                | FT                 | 1 C         | 1              | [S          | c            | 1                  | SR3AS                   | 1.1                   |              |
| <br>  I-N                        |                  | 1 1                | FINISH CONCRETE SURFACE MAN 12 IN   | 27                | FT                 | <br>  C     | 1              | 5           |              | i ·                | <br> SR3CS              | 0.1                   |              |
| <br>  I-N                        | I<br>IAS-2CT     |                    | ASPHALT 2 SAW CUT AND BREAK MECH  | 25                | FT                 | l<br>I C    | Ì              | S           |              | i i                | SR3AS                   | 0.7                   |              |
|                                  | 1                | <br> 114201        | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 1 25              | FT<br>  1N         | <br>  C<br> |                | 1           | I C<br>1     | 1                  | <br> C-BC<br> SR4AL<br> | 1 0.7<br>1 0.7        | <u>.</u>     |
| <b> </b><br>  <b>I - N</b>  <br> | BH03XH           | X20201 <br> 114215 | MACH DÌG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 30<br>  23<br>  1 | FT<br> EA          | Ċ<br> <br>  |                | I S         | C<br> <br>   | G7453<br> <br>     | ic-BC                   | 1.2<br>  1.2<br>  2.4 |              |
| I-N <br>  I-N                    | REM-3'           | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 30              | FT                 | i c         | i              | s           | i c          | i                  | C-DT                    | 2.6                   |              |
| ]<br>]I-N                        | SLR-18           | [656400]           | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 1 90<br>1 6       | FT<br> CY          | 1 C<br>[    | <br>  C        | S<br>       | C<br>        | IG7409             | [3-WF3                  | 1 0.2<br>1            |              |
| I-N <br>                         | 1EB3SL<br> <br>  | 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND               | 28<br>  28<br>  1 | FT<br>  FT<br>  CY | C<br> <br>  | C<br>  C       | S<br> <br>  | C<br> <br>   | 3376.1<br> <br>    | 13-WF3                  | 0.4<br>               |              |
| <br>  I-N <br>   <br>            | 1-3SLB           | 322048 <br> 656400 | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND    |                   | EA<br> EA<br> CY   | l<br>t      | <br>  C<br>  C | \$<br> <br> | [ C<br>[     | 3373.2<br>         | 3-WF3                   | 1                     |              |
| <br> I-N <br>                    | 1-3SLS<br> <br>  | 322144 <br> 656400 | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 1 4<br>  4        | EA<br> EA<br> CY   | .)<br>      | <br>  C<br>  C | i S<br>I    | i c<br> <br> | 3373.2<br>         | 3-WF3                   | 0.7                   | <br>         |
| i I-N                            |                  | <br>               | TC-LANE CLOSURE URBAN STREET  | <br>[ 1           |                    |             |                | <br>  S     |              |                    |                         |                       | 1            |

|                       |        |             | REV:0              |         |         |         |         |          |         |                  |      |         |              |      |                  |                      |         | ER: 2960700   |
|-----------------------|--------|-------------|--------------------|---------|---------|---------|---------|----------|---------|------------------|------|---------|--------------|------|------------------|----------------------|---------|---------------|
| SIGN: 01              | NAME : | ROLAND      | O BLK 7G2          | T&C JO  | B 1     |         |         | STATU    | JS: ACT |                  |      |         |              |      |                  |                      |         |               |
|                       |        |             | DISTRICT:          |         |         |         |         |          |         |                  |      |         |              |      |                  |                      | LOCATIC | ON 387 OF 587 |
| RK <br>-C MU ID       | AU ID  | STOCK#{     | DI                 | SCRIFI  | ION/CO  | )NSTRU  | CTION N | OTES     | I RÇ    |                  | RSP  | RSP     | TIM[<br>TRT[ | ACCI | STANDARD<br>PAGE | CREW                 | HOURS   |               |
| I-N [                 | LN/S/S | 1           | LANE CLO           | OSURE U | JRBAN S | ST (STI | REET RE | PAIR)    | 1       | $1 \mid ER$      | L C  | 1       | S            | c    |                  |                      | 1.01    | l             |
| ĭ−N[                  | PLANTU | 1           | REMOVE/H           | REPLACE | LAND    | CAPIN   | 3       |          | 1       | 10 FI            | I C  | 1       | S            |      |                  | ]3 <b>-</b> ₩F3<br>] | 1.01    | ·             |
| I-N                   | XING-U | <br> 114215 | TC-TRAFI<br>ASPHAI |         |         |         | SET CRO |          | 1       | 1   F1<br>1   TN | i c  | <br>  c | S [<br>] _ ] | C I  |                  | TC4                  |         |               |
| •                     | XING/S |             | TRAFFIC            | COND.   | (XING   | LANE)   | STREET  | REPAIR   | ]       |                  |      |         |              | с    |                  | 1                    | 0.1     |               |
| NORK FAC<br>FUNC CODE | DESC   |             | EXIST              | TAG     | NEW     | iag     |         |          |         |                  | CONS | TRUC    | FION         | NOTE | 5                |                      |         |               |
|                       |        |             |                    |         |         |         |         |          | SEE SHI | 5                |      |         |              |      |                  |                      |         |               |
|                       |        |             |                    |         |         |         |         | <u> </u> |         |                  |      |         |              |      |                  |                      |         |               |
|                       |        |             |                    |         |         |         |         |          |         |                  |      |         |              |      |                  |                      |         |               |
|                       |        |             |                    |         |         |         |         |          |         |                  |      |         |              |      |                  |                      |         |               |
|                       |        |             |                    |         |         |         |         |          |         |                  |      |         |              |      |                  |                      |         |               |
|                       |        |             |                    |         |         |         |         |          |         |                  |      |         |              |      |                  |                      |         |               |
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Block 7G2 UUP Attachment E – Technical Specifications

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| DP001EM2-I<br>09/05/17 1 | LOCAL40-00<br>11:36   | ]1                  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | LÉCTRIC<br>PY - DÉ | TAII               |              |                |                     |            |                    |                         | P                       | AGE NO 434             |
|--------------------------|-----------------------|---------------------|---|--------------------|--------------------|--------------|----------------|---------------------|------------|--------------------|-------------------------|-------------------------|------------------------|
| DDO TECT. S              | 052560 .              | TOB+01              | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB            | 1                  |              |                |                     | 1          | STATUS: AC         | T WO                    | RK ORDE                 | R: 2960700             |
| DESIGN: 01               | I NAME:               | ROLAND              | O BLK 7G2 T&C JOB 1 STATUS:   | ACT                |                    |              |                |                     |            |                    |                         |                         |                        |
|                          |                       |                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                    |                    |              |                |                     | PHO        | NE: 999-99         | 99 :                    | LOCATIC                 | N 388 OF 587           |
| LETTER A                 |                       |                     |   | L OTY              | F - 1              | WRK          | 1 MAT          | TIM <br>TRT[        | ACC<br>TRT | STANDARD<br>  PAGE | CREW<br> TYPE           | EST  <br> HOURS         |                        |
| I-NI                     | 3'HD-A                | 1 1                 | HAND DIG TRENCH 3 FT DEEP AVE   | 1 18               | FT                 | E C          | 1              | S 1                 | С          | IG7453             | [3-WF3                  | 1 7.0                   |                        |
| <br> I-N <br>            | <br>  BKF-3 '  <br>   | i i                 | BACKFILL TRENCH 3 FOOT DEEP   | 18                 | FT                 | C            | [              | S                   | С          | 1<br>1<br>1<br>1   | ]3-₩F3                  | 0.3                     |                        |
| <br>  I-N <br>   <br>    | <br>  SHD-12<br> <br> | <br> 611492 <br>    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                             | 18<br>  1          | FT<br>  TN<br>     | C<br> <br>   | с              | S  <br>     <br>  ] | ¢          | G7405<br> <br>     | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 |                        |
| ] I-N                    | 11DB3-S               | 2496641             | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | 1 18               | FT<br>  FT         | I            | l c            | S                   | С          | 13373.1<br>1       | 3-WF3                   |                         |                        |
| 1<br>  I-N  <br>         | [R-XCES<br>]          | X30007              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 18                 | FT                 | i C<br>I     | l<br>l c       | si                  | С          | i<br>I             |                         | 0.5                     |                        |
| <br>  I-N                | PLANTU                |                     | REMOVE/REPLACE LANDSCAPING  | į 13               | İFT                | i c          | i –            | Ś  <br>  Ś          | С          | i                  |                         | [ 1.3                   | <b></b> ,              |
| [<br> 1-N                |                       | i i                 | CONCRETE 2 SAW CUT AND BREAK MECH   | 1 5                | FT                 | I C          | 1              | S I                 | С          | l                  | SR3AS                   | 0.2                     |                        |
| <br> I-N                 | <br> CF-H12           | i 1                 | FINISH CONCRETE SURFACE MAN 12 IN   | 1 5                | FT                 | I C          | 1              | <br>  S             | С          | i                  | ISR3CS                  | i I                     |                        |
| <br> I-N                 |                       | 1 1                 | ASPHALT 2 SAW CUT AND BREAK MECH  | 30                 | FT                 |              | 1              | <br>  S  <br>       | С          | i                  |                         | 0.8                     |                        |
| I–N <br>  I–N            | I                     | <br>  <b>114201</b> | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | i 30               | FT                 | i c          | Í.             | SI                  | С          |                    | C-BC<br> SR4AL          | [ 0.8]                  |                        |
| [<br> I-N <br>           | BĤO3XH<br> <br>       | X20201              | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 50<br>  38<br>  1  | FT<br>  EA<br>  TN | C<br> <br>   | <br>  C<br>  C | \$ ]                | С          | 1G7453<br>1<br>1   | C-BC<br>C-BH<br>SWF4    |                         |                        |
| I <b>-N</b> ]<br>[       | REM-3 '               | X30007              | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 50<br>  13         | <br> FT<br> CY     | 1<br>  C<br> | <br>  C        | S                   | с          | i<br>I             |                         | 4.4                     |                        |
| I-N <br>                 | SLR-18<br>]           | 656400              | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 1 150              | IFT                | I C          | 1              | \$                  | C          | G7409<br> <br>     | 3-WE3                   | 0.3                     | I                      |
| I-N <br>  I-N <br>       | 1EB3SL<br> <br>       | 249664 <br> 656400  | 1-3 IN EB CONDUIT SLURRY ENCASED  | 34<br>  34<br>  1  | FT<br>  FT<br>  CY | C<br> <br>   |                | \$  <br>[           | C<br> <br> | 3376.1<br> <br>    | [3-WF3<br>]             | 0.5                     | <br>                   |
| I-N <br>  I-N <br>       | 1-3SLS<br> <br>       | 322144 <br> 656400  | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 1<br> . 2          | 2 EA               | i C<br> <br> |                | 5                   | C<br> <br> | 3373.2<br> <br>[   | 1                       | 1                       | [                      |
| II-NI                    | <br> ln-s/u           | i i                 | TC-LANE CLOSURE URBAN STREET  |                    |                    |              |                |                     |            |                    | •                       | 1 1.0                   | '<br> <br>             |
| <br> I-N                 | <br>  ln/s/\$         |                     | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                  | L   EA             | , c          | l<br>[         | S                   | C          | 1                  |                         | 1.0                     | ' <del></del> <b>_</b> |

|                     |              |        | REV:0 T                |                |                                       |         |          |          |         |                |       |       |         |              | TATUS: AC        |                |                 |                                       |  |
|---------------------|--------------|--------|------------------------|----------------|---------------------------------------|---------|----------|----------|---------|----------------|-------|-------|---------|--------------|------------------|----------------|-----------------|---------------------------------------|--|
| SIGN: 01            | NAME :       | ROLANI | 0 BLK 7G2 T&           | ec Jo          | B 1                                   |         |          | STATU    | JS: ACT |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        | DISTRICT: CM           | A              | DESIG                                 | NED BY: | GEORGE   | E BONNER |         |                |       |       |         |              | E: 999-99        |                |                 |                                       |  |
| TRK    <br>T-CIMUID | AU ID        | STOCK# | DESC                   | CRIPT          | ION/CO                                | ONSTRUC | TION NO  | DTES     | RQD     | ן ן<br>שטן     | RSP   | RSPIT | IM #    | LCC  <br>[RT | STANDARD<br>PAGE | CREW<br>  TYPE | EST  <br> HOURS |                                       |  |
| <br>[-]]N           | <br>  PLANTU |        | REMOVE/REF             | PLACE          | LANDS                                 | SCAPING | Ē        |          | 1       | 1 1            | cl    | İ     | <br>S   | c i          |                  | <br> 3-wf3     | 1 1.0           |                                       |  |
|                     | XING-U       | Í      | TC-TRAFFIC<br>ASPHALT, | C CON<br>, COL | DITION                                | NS STRE | SET CROS | SSINGS   | 1       | 1 FT <br>1 TN] | C     | c i   | s  <br> | C            |                  | TC4            | 0.1             |                                       |  |
|                     |              |        | TRAFFIC CC             | OND.           | (XING                                 | LANE)   | STREET   | REPAIR   |         |                |       |       |         |              |                  |                |                 |                                       |  |
| YORK FAC            |              |        | EXIST TA               | AG             | NEW 1                                 | TAG     |          |          |         | c              | CONST | RUCTI | ION 1   | JOTE         | s                |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          | SEE SHT | 5              |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 | -                                     |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                | · · · · · · · · · · · · · · · · · · · |         |          |          |         |                |       |       |         |              |                  |                |                 | · · · · · · · · · · · · · · · · · · · |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         | <u> </u>       |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 |                                       |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 | · · · · · · · · · · · · · · · · · · · |  |
|                     |              |        |                        |                |                                       |         |          |          |         |                |       |       |         |              |                  |                |                 | · · · · · · · · · · · · · · · · · · · |  |

Block 7G2 UUP Attachment E – Technical Specifications

| PROJECT:          | 253568 JOB:01        | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOB    | 1          |              |       |              |      |                |                         |                          | R: 2960700  |
|-------------------|----------------------|---|-------------|------------|--------------|-------|--------------|------|----------------|-------------------------|--------------------------|-------------|
| ESIGN: 0          | 1 NAME: ROLAND       | D BLK 7G2 T&C JOB 1 STATUS  |             |            |              |       |              |      |                |                         |                          |             |
| LOCATION:         | 389 SHEET: 01        | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                       |             |            |              |       |              | PHOI | NE: 999-99     | 99                      | LOCATIC                  | N 389 OF 58 |
| E-CIMIL I         | <br>D  AU ID  STOCK# | DESCRIPTION/CONSTRUCTION NOTES  | I ROD       | UM   R     | SP           | RSP ' | TRTI         | TRT  | STANDARD       | TYPE                    | HOURS                    |             |
| I-N               | 3'HD-A[ [            | HAND DIG TRENCH 3 FT DEEP AVE   | 27          | FT         | CΙ           | - I   | S ]          | С    | 1G7453         | 13-WF3                  | 10.2                     |             |
| <br> -N <br>      | BKF-3'               | BACKFILL TRENCH 3 FOOT DEEP   | 27          | FT]        | сi           | [     | S  <br>      | С    | <br>           | 3-WF3<br> C-BC          | 0.4                      |             |
| I-N  <br>         |                      | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED | 27          | FT  <br>TN | C 1<br> <br> | c 1   | S  <br> <br> | C    | G7405<br> <br> | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1[<br>  0.1] |             |
| <br> I-N <br>     | 249664[              | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                         | 27 <br>  27 | FT  <br>FT | c i          | CΙ    | 1            | С    | (3373.1<br>    | <br> 3-WF3<br>[<br>!    | 0.4                      |             |
| I-N <br>          | X30007               | EXCESS TRENCH SPOIL (12 IN DÉEP)<br>DUMPING FEE                               | 27 <br>  3  | FT         | 1 C          | c     | 1            | С    | <br>           | ;<br> C-DT<br> <br>     | 0.7 <br>                 |             |
| <br> I-N          |                      | REMOVE/REPLACE LANDSCAPING  | 27          |            | сi           | i     | S [          | С    | ĺ              | 3-WF3                   | 2.7                      |             |
| II-NI             |                      | TC-LANE CLOSURE URBAN STREET  | 1 1         | EA         | сi           | i     | SI           | ¢    | l              | TC3                     | 1.0                      |             |
| I-N               | <br> LN/S/S  [       | LANE CLOSURE URBAN ST (STREET REPAIR)   |             |            |              |       | S            |      |                | [ TC4                   | •                        |             |
| WORK I<br>FUNC CO |                      | EXIST TAG NEW TAG   | SEE SHT 5   | co         | nsti         | RUCT  | ION          | NOT  | ES             |                         |                          |             |
|                   |                      | <u></u> ₩₽₽₽₽₽₽₽₽₽₩₩₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩                                    |             |            |              |       |              |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       |              |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       |              |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       |              |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       |              |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       | · · ·        |      |                |                         |                          |             |
|                   |                      |   |             |            |              |       | · · · ·      |      |                |                         |                          |             |

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| ROJECT: 2 | 53568             | JOB:01      |                                       |                         |                     | ROLANDO BLI              |           |                |                |       |                                       |                                       |      |                                       | ACT WO                                | RK ORDE | R: 2960700  |
|-----------|-------------------|-------------|---------------------------------------|-------------------------|---------------------|--------------------------|-----------|----------------|----------------|-------|---------------------------------------|---------------------------------------|------|---------------------------------------|---------------------------------------|---------|-------------|
| SIGN: 01  |                   |             | O BLK 7G2                             | T&C JOB 1               |                     |                          | STATUS: A |                |                |       |                                       |                                       |      |                                       |                                       |         |             |
| CATION: : |                   |             |                                       | CM DES                  |                     | : GEORGE BOI             | NNER      |                |                |       |                                       |                                       |      |                                       |                                       |         | N 390 OF 58 |
| F-C MU ID | <br> AU ID        | STOCK#      | DI                                    | ESCRIPTION              | /constru            | CTION NOTES              | ]<br>1    | QTY<br>RQD     | 1              | WRK   | MAT                                   | TIM                                   | ACC  | STANDARI                              | D  CREW                               | EST     |             |
| I-N       | 330926<br>        | <br> 162690 | HAND HO<br>QUAZI                      | LE 3309.2<br>TE BOX 37" | 37"X 26"<br>X26"26" | X 26"                    |           | 1              | EA             | 1     | I C I                                 | l                                     | ļ    | 3309.2                                | 1                                     |         |             |
|           | 1                 | 162690      | QUAZI                                 | EXCAVATIO<br>TE BOX 37" | N/REMOVE<br>X26"26" |                          | 1         | <br>  1<br>  1 | <br> EA<br> EA | I C   |                                       | SI                                    | С    | 3309.2                                | 1<br>135WF3<br>1                      | 0.8     |             |
| 1         | 1-3SLB            | 322048      | 1-3 IN 1<br>BEND (                    | CONDUIT DE              | 3 IN 90             | ND SLURRY E<br>D 36 IN R |           | 1 3            | EA             | I C i | 1                                     | S                                     | C 1  | 3373.2                                | 1                                     | 0.2     |             |
| I-NI      | <br> <br>  PLANTU | 1           |                                       |                         |                     | G                        | 1         |                | 1              | 1 1   | 1 1                                   | 1                                     | 1 I  |                                       | 1                                     | 1 1     |             |
| JORK FA   |                   |             |                                       |                         |                     |                          |           |                |                |       |                                       | ·                                     |      |                                       |                                       |         |             |
| UNC CODI  | E DESC            |             | EXIST                                 | TAG NE                  | W TAG               |                          |           |                | (              | CONST | IRUCI                                 | TION                                  | NOTE | S                                     |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           |                |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       | · · · · ·                             |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           | SHT 5          |                |       |                                       |                                       |      | ·······                               |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       | · · · · · · · · · · · · · · · · · · · |         |             |
|           |                   |             | ·····                                 |                         |                     |                          | SEE       | SHT 5          |                |       |                                       | · · · · · · · · · · · · · · · · · · · |      |                                       | · · · · · · · · · · · · · · · · · · · |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      | · · · · · · · · · · · · · · · · · · · |                                       |         |             |
|           |                   |             | · · · · · · · · · · · · · · · · · · · |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             | ······                                |                         |                     |                          |           | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      | · · · · · · · · · · · · · · · · · · · |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           | SHT 5          |                |       |                                       |                                       |      |                                       | · · · · · · · · · · · · · · · · · · · |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          |           | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       | · · · · · · · · · · · · · · · · · · · |                                       |      |                                       |                                       |         |             |
|           |                   |             |                                       |                         |                     |                          | SEE       | SHT 5          |                |       |                                       |                                       |      |                                       |                                       |         |             |

Block 7G2 UUP Attachment E – Technical Specifications

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| DP001EM2-LO<br>09/05/17 11 | :36             | )1          |                                       | SAN DIEGO GA<br>DPSS - DESIGN RE | VIEW COPY - | DET      |            |      |          |      |             |                  |                                     | P                 | AGE NO 438   |
|----------------------------|-----------------|-------------|---------------------------------------|----------------------------------|-------------|----------|------------|------|----------|------|-------------|------------------|-------------------------------------|-------------------|--------------|
| PROJECT: 25                | 3568 0          | JOB:01      | REV:0 TYPE: UD                        | NAME: ROLANDO BL                 | K 7G2 -T&C  | JOB      | 1          |      |          |      |             |                  |                                     |                   | R: 2960700   |
| DESIGN: 01                 |                 |             | O BLK 7G2 T&C JOB 1                   |                                  | STATUS: ACT |          |            |      |          |      |             |                  |                                     |                   |              |
| LOCATION: 3                |                 |             |                                       | SNED BY: GEORGE BO               | NNER        |          |            |      |          |      | PHOD        | E: 999-99        | 99 I                                | LOCATIO           | N 391 OF 587 |
| WRK <br> F-C MU ID         | AUID            | STOCK#1     | DESCRIPTION/                          | CONSTRUCTION NOTES               | 1 1         | IQD      | UM         | RSPI | RSP      | TRT  | TRT         | STANDARD<br>PAGE | TYPĒ                                | HOURS             |              |
| [I-N]                      | 3'HD-A          | I I         | HAND DIG TRENCH 3                     |                                  | Í.          | 21       | FT1        | С    |          | S    | C I         |                  | 3-WF3                               | 8.1               |              |
| [I-N                       | <br> BKF-3'<br> | i 1         | BACKFILL TRENCH 3                     | FOOT DEEP                        | <br> <br>   | 21       | FT         | сI   |          | S    | С           |                  | 3-WF3<br> C-BC                      | 0.3[              |              |
| <br> 1-N <br>   <br>       | 1               | 611492 <br> | SHADE TRENCH WITH<br>SAND, FILL RECY  |                                  |             | 21 <br>2 | FT <br>TN  |      | с        |      |             | G7405            | <br>  3-WF3<br>  C-BH<br>  C-DT<br> | 0.1<br>0.1<br>0.1 |              |
| I-N <br>                   | 1               | <br> 249664 | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN  |                                  |             | 21<br>21 | FT]<br>FT[ |      |          | S    | I           | 3373.1           | <br> 3-WF3<br> <br>                 | 0.3               |              |
| <br> I-N <br>              | IR-XCES         | X30007      | EXCESS TRENCH SPOI<br>DUMPING FEE     | L (12 IN DEEP)                   |             | 21<br>2  | FT  <br>CY | с    | i<br>I C | S    | l C<br>I    | I.               |                                     | 0.5               |              |
| <br> I-N                   | PLANTU          |             | REMOVE/REPLACE LAN                    | DSCAPING                         |             | 21       | FT         | С    | 1        | S    | <br>  C<br> |                  | 3-WF3                               | 2.1               |              |
| ]  <br> I-N                | <br> LN-S/U     |             | TC-LANE CLOSURE UR                    | BAN STREET                       | 1           | 1        | EA         | С    | ĺ        | S    | C           |                  | TC3                                 | 1.0               |              |
| ]<br> I-N]                 | <br> LN/S/S     | <br>        | LANE CLOSURE URBAN                    | ST (STREET REPAIR                | ι) I        |          |            |      |          |      | <br>  C     |                  | <br> TC4                            |                   |              |
| WORK FAC<br>FUNC CODE      |                 |             | EXIST TAG NEW                         | TAG                              | SEE S       | HT 5     |            | ons' | TRUC'    | TION | NOT         | S                |                                     | -                 |              |
| •••••·                     |                 |             |                                       |                                  |             |          |            |      |          |      |             |                  |                                     |                   |              |
|                            |                 |             |                                       |                                  |             |          |            |      |          |      |             |                  |                                     |                   |              |
|                            |                 |             |                                       |                                  |             | _        |            |      |          |      | ~           |                  |                                     |                   |              |
|                            | <u></u>         |             |                                       | <u></u>                          |             |          |            |      |          |      |             | <del>n</del>     |                                     | <u> </u>          |              |
|                            |                 |             |                                       |                                  |             |          |            |      |          |      |             |                  |                                     |                   |              |
|                            |                 |             |                                       |                                  |             |          |            |      |          |      |             |                  |                                     |                   |              |
|                            |                 |             |                                       |                                  |             |          |            |      |          |      |             |                  |                                     |                   |              |
|                            |                 |             | <u> </u>                              |                                  |             |          |            |      |          | i    |             |                  | ·                                   |                   |              |
|                            |                 |             | · · · · · · · · · · · · · · · · · · · |                                  |             |          |            |      |          |      |             |                  |                                     |                   | <u> </u>     |

| 09001EM2-1<br>09/05/17 1 | OCAL40-00<br>1:36 | 01             | SAN DIEGO GAS AND H<br>DPSS - DESIGN REVIEW CC   | ELECTRIC<br>DPY - DETAIL                        |           |              |             |                    |                         | P                       | AGE NO 439   |
|--------------------------|-------------------|----------------|--|---|-----------|--------------|-------------|--------------------|-------------------------|-------------------------|--------------|
| ROJECT: 2                | 233568            | JOB:01         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | -T&C JOB 1                                      |           |              |             | STATUS: AC         | T WC                    | RK ORDE                 | R: 2960700   |
| ESIGN: 01                | . NAME:           | ROLANE         | 00 BLK 7G2 T&C JOB 1 STATUS:   | : ACT   |           |              |             |                    |                         |                         |              |
|                          |                   |                | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |   |           |              | PHO         | NE: 999-99         | 99                      | LOCATIO                 | N 392 OF 587 |
| WDK                      | 1                 | s 1            | DESCRIPTION/CONSTRUCTION NOTES   |   |           | TITIM        | ACC<br> TRT | STANDARD<br>  PAGE | CREW                    | EST  <br> HOURS         |              |
| I-N                      | 3'HD-A            | 1              | HAND DIG TRENCH 3 FT DEEP AVE  | 13 FT  C  | -+<br>[   | [ S          | +           | +<br> G7453        | 3-WF3                   | 5.21                    |              |
|                          | I.                | I I            | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | <br>  13 FT  C<br>                              | <br> <br> | 1            | 1           |                    | IC-BC                   | 1 U.ZI                  |              |
|                          | SHD-12<br> <br>   | 1              |  | [    <br>[ 13 FT  C<br>[ 1 TN]<br>[             | ic        | S<br> <br>   | C<br> <br>  | G7405<br> <br>[    | 3-WF3<br> C-BH<br> C-DT |                         |              |
| I-N <br> <br>            | <br> 1DB3-S<br>   | <br> 249664[   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  |   | i<br>L C  | i S          | i c         | 3373.1<br>         | 3-WF3<br>               | 1 1                     |              |
|                          | R-XCES            | i i            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | [ ] ]<br>[ ]3 FT  C<br>[ 2 CY]                  | l<br>E C  | 5            | C<br>       |                    | IC-DT                   | 0.3                     |              |
| I-N                      | PLANTU            | [              | REMOVE/REPLACE LANDSCAPING   | 13 FT  C  | ł         | IS           | <br>  C     |                    | 13-WF3                  | 1.3                     |              |
| I-N                      |                   | i i            | ASPHALT 2 SAW CUT AND BREAK MECH   | 94 FT C   | i         | l S          | 1           | I<br>I             | I SR3AS                 | 2.4                     |              |
| I-NI                     |                   | <br> 114201    | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 94 FT  C<br>11 TN]                              | Î         | s            | i i         | ]                  | C-BC<br> SR4AL          |                         |              |
| r-n                      | I                 | [<br> X20201[  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  |   |           |              | C<br> <br>  | G7453<br> <br>     | IC-BH<br>I3SWF4         | 4 3 <br>  4 3 <br>  8.6 |              |
|                          | REM-3'            | 1  <br> X30007 | TRENCH SPOIL 3 FT DEPTH<br>DIMPING FEE   | [ 108 FT  C<br>[ 27 CY]                         | ir        | i S          |             | 1                  | IC-DT                   | 1 1                     |              |
| I-N <br>                 | 1                 | [030400]       | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 19/011  |           | S<br>        | C<br>       | G7409<br>          | 1                       | 0.6                     |              |
| I-N <br> <br>            |                   | <br> 249664    | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 108 FT  C<br>  108 FT  C<br>  108 FT <br>  3 CY |           | [ S<br> <br> | ic<br>I     | 3376.1             | <br> 3-WF3<br> <br>     |                         |              |
| I-N <br> <br>            | 1-35LB<br>        |                | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2 EAC   | Í         | i s          | jc          | 3373.2             |                         |                         |              |
| I-NI                     | !<br>! LN-S/U     |                | TC-LANE CLOSURE URBAN STREET   | 1[EA] C   |           | S            | i c         | 1                  | TC3                     | 1.0                     |              |
| i-ni                     | LN/S/S            |                |  |   |           |              |             |                    | TC4                     | 1.0                     |              |
| [<br>Σ−N                 |                   | 1 1            | REMOVE/REPLACE LANDSCAPING   | ]    <br>] 10 FT[ C                             | 1         | <br>  S      | <br>  C     |                    |                         | 1                       |              |

| DP001EM<br>09/05/1 |             | L40-001<br>6 |                |       |       | SF<br>DPSS - | N DIEGO<br>DESIGN | GAS AN<br>REVIEW | D ELECTRIC<br>COPY - DET | AIL          |                |  | PAG                                   | E NO 440   |
|--------------------|-------------|--------------|----------------|-------|-------|--------------|-------------------|------------------|--------------------------|--------------|----------------|--|---------------------------------------|------------|
| PROJECT            | : 2535      | 68 JOB:01    | REV:0          | TYPE  | : UD  | NAME :       | ROLANDO           | BLK 7G           |                          | 1            |                | IUS: ACT                               | WORK ORDER:                           |            |
|                    |             | NAME: ROLAN  | IDO BLK 7G2    | T&C C | JOB 1 |              |                   | STAT             | US: ACT                  |              |                |  |                                       |            |
|                    |             | SHEET: 02    | DISTRICT:      |       |       | GNED BY:     | GEORGE            | BONNER           |                          |              | PHONE :        | 999-9999                               | LOCATION                              | 392 OF 587 |
| WORK<br>FUNC       |             | DESC         | EXIST          | TAG   | NEW   | TAG          |                   |                  | <b></b>                  | CONSTRUCTION | NOTES          |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  | SEE SHT 5,               |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  | <u></u>                  | <u> </u>     |                |  |                                       |            |
|                    |             |              |                |       |       | <u> </u>     |                   |                  |                          |              |                |  | · <u> </u>                            |            |
|                    |             |              |                |       |       |              |                   |                  | <u>_</u>                 | <u> </u>     |                |  | · · · · · · · · · · · · · · · · · · · |            |
|                    |             |              |                |       |       |              | <u> </u>          |                  |                          |              |                |  |                                       |            |
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|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
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|                    |             |              |                |       |       |              |                   |                  |                          | <u> </u>     |                |  |                                       |            |
|                    | <u> </u>    |              | <del>~~~</del> |       |       |              |                   |                  | ·                        |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              | <u>.</u>       |  | •                                     |            |
|                    | <del></del> |              |                |       |       |              |                   |                  |                          |              |                |  |                                       | ·          |
|                    |             |              |                | _     |       |              |                   |                  |                          |              |                |  |                                       | . <u>-</u> |
|                    |             |              |                |       |       |              |                   | <u>.</u>         |                          |              |                |  |                                       |            |
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|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |
|                    |             |              |                |       |       |              |                   |                  |                          |              |                |  |                                       |            |

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| ROJECT: 25            | 3568                 | JOB:01   |  | NAME: ROLANDO BLK 7G2                              |                                     |                      |                  |             |         |      |            |                         |                       | ER: 2960700                           |
|-----------------------|----------------------|--|--|--|-------------------------------------|----------------------|------------------|-------------|---------|------|------------|-------------------------|-----------------------|---------------------------------------|
|                       |                      |  | 0 BLK 7GZ T&C JOB 1  | STATU  | S: ACT                              |                      |                  |             |         |      |            |                         |                       |                                       |
| DCATION: 3            | 93 SHE               | ET: 01   | DISTRICT: CM DESI  | GNED BY: GEORGE BONNER                             |                                     |                      |                  |             |         | PHOI | VE: 999-99 | <b>99</b> 1             | LOCATIO               | ON 393 OF 58                          |
|                       | AU ID                | [STOCK#]   | DESCRIPTION/   | CONSTRUCTION NOTES                                 | RQD                                 | UM                   | RSP              | RSP         | TRT     | TRT  |            | TYPE                    | HOURS                 |                                       |
| I-N                   | BH03XH<br> <br>      | [<br>[X20201]<br>[114215]                        | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI   | FT DEEP BACKHOE<br>STEEL PLATE<br>X                | 11<br>  9<br>  1                    | FT<br>  EA<br>  TN   | C  <br>   <br>   |             | S  <br> | с    | G7453      | C-BC<br> C-BH<br> 3SWF4 | 0.4<br>  0.4<br>  0.9 | [<br>[<br>[                           |
| <br>  -N<br> <br>     | REM-3'<br>           | 1  <br> X30007                                   | TRENCH SPOIL 3 FT<br>DUMPING FEE   | DEPTH  | 11<br>  3                           | FT<br>  C⊻           | C  <br>  C  <br> | <br>  C     | S       | C    |            | I<br>IC-DT<br>I         | i 1.0                 | I                                     |
| E-N                   | SLR-18               |  | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA   | B IN WIDE X 12 IN DEEP<br>ACK SAND                 | i 33                                | FT<br>CY             | ici              |             | S       | С    | G7409      | •                       | 0.1                   |                                       |
| Г-N  <br> <br>        | 1£B3IN<br> <br> <br> | <br> 248201t<br> 249664t<br> 663528t<br> 663530t | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACER | XK (GRAVEL MIX)<br>20 FT LENGTH<br>XATE 5 IN 2-WAY | 127<br>  3<br>  127<br>  22<br>  22 | FT<br>CY<br>FT<br>EA | 1 C  <br>   <br> | с<br>с<br>с | S       |      | 3376.1     | 3-WF3<br> <br> <br>     | 1.8<br> <br> <br>     | •                                     |
| l<br>L                | 1-3SLB<br> <br>      | 322048 <br> 656400                               |  |  | 1 2<br>1 2<br>1 1                   | EA<br>EA<br>CY       | 1.<br>I          |             | S       |      | 3373.2     | 1                       | 0.1<br> <br>          |                                       |
|                       | LN−S/U               |  | TC-LANE CLOSURE UR   | RBAN STREET  | j 1                                 | EA                   | c                | i i         | S       | I C  | ]          | TC3                     | -                     |                                       |
|                       | l<br>!LN/S/S         | i i  |  | I ST (STREET REPAIR)                               | 1                                   | EA                   | <br>  C<br>      | I I         | S       | C    | 1          | <br> TC4<br>            | 1.0                   | <br>                                  |
| •                     | •                    |  | REMOVE/REPLACE LAN   | IDSCAPING  |                                     |                      |                  |             |         |      |            | 3-WF3                   | •                     | ·                                     |
| NORK FAC<br>FUNC CODE |                      |  | EXIST TAG NEW  |  | SEE SHT 5                           |                      | CONSI            | IRUĊI       | rion    | NOTI | 55         |                         |                       |                                       |
|                       |                      |  |  |  |                                     |                      |                  |             |         |      |            | · · · · · ·             |                       | · · · · · · · · · · · · · · · · · · · |
|                       |                      |  |  |  |                                     |                      |                  |             |         |      |            |                         |                       |                                       |
|                       |                      |  |  |  |                                     |                      |                  |             |         |      |            |                         |                       |                                       |
|                       |                      |  |  |  |                                     |                      |                  |             |         |      |            |                         |                       |                                       |

| DP001EM2-LOCAL40-001<br>09/05/17 11:36 | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP |   |
|--|--|---|
| PROJECT: 253568 JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T          | STATUS: ACT WORK ORDER: 2960700   |
| DESIGN: 01 NAME: ROLA                  | NDO BLK 7G2 T&C JOB 1 STATUS:                    |   |
|  | DISTRICT: CM DESIGNED BY: GEORGE BONNER          | PHONE: 999-9999 LOCATION 394 OF 587   |
| F-CMU ID AU ID STOCK                   | #  DESCRIPTION/CONSTRUCTION NOTES                | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS |
|  |  |   |
| WORK FAC<br>FUNC CODE DESC             | EXIST TAG NEW TAG                                | CONSTRUCTION NOTES  |
|  | SEE  | 3 SHT 13  |
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| ROJECT: 2     | 53568           | JOB:01                        | REV:0 TYPE                                  | : UD              | NAME :            | ROLANDO BI     | К 7G2 -Та | C JOB         | 1                      |       |           |                  | ٤   | STATUS: AC       | T WOE               | RK ORDE  | R: 2960700  |
|---------------|-----------------|-------------------------------|---|-------------------|-------------------|----------------|-----------|---------------|------------------------|-------|-----------|------------------|-----|------------------|---------------------|----------|-------------|
| ESIGN: 01     | NAME            | ROLAND                        | O BLK 7G2 T&C J                             | ТОВ 1             |                   |                | STATUS: A | CT            |                        |       |           |                  |     |                  |                     |          |             |
| CATION:       | 395 SHEI        | ET: 01                        | DISTRICT: CM                                | DESIG             | NED BY:           | GEORGE BO      | NNER      |               |                        |       |           |                  |     |                  |                     |          | N 395 OF 58 |
| NRK!          | 1               |                               | DESCRIE                                     |                   |                   |                | 1         | OTY I         |                        | WD K. | l vra mi  | ואיניייו         | ACC | CTANDARD         | COFW                | 1 FST 1  |             |
| I-N]          | 3'HD-A          |                               | HAND DIG TREN                               | асн 3             | FT DEEP           | AVE            | 1         | 31            | FT                     | С     |           | IS 1             | С   | G7453            | 3-WF3               | 11.7     |             |
| r-n <br>1     | BKF-3 '<br>     | i i<br>I i                    | BACKFILL TREN                               | исн 3 г           | 'OOT DEE          | P              |           | 31            |                        |       | i i       |                  | С   |                  | 3-WF3<br>  C-BC     | 0.5      |             |
| [-N <br>      | SHD-12<br>      | 611492                        | SHADE TRENCH<br>SAND, FILL                  |                   |                   |                |           | 31<br>2       | TN                     | ·     | С         |                  |     | G7405            | C-BH<br> C-DT       | 0.1      |             |
| -N            | 1               | 1  <br>1249664                | 1-3 IN DE CON<br>CONDUIT DE                 |                   |                   | NGTH           | <br> <br> | 31<br>31      | ET                     | С     | C         | [ S  <br>[ ]     | С   | 3373.1           | Ì                   | 0.5      |             |
| -N <br> <br>  | R-XCES          | ] [<br>] ]<br>]X30007[<br>] [ | EXCESS TRENCH<br>DUMPING FEE                | H SPOIL           | , (12 I           | N DEEP)        | <br>      | 31            |                        | С     |           |                  | С   | [                | <br> C-DT<br>       | 0.81     |             |
| C−N [         | PLANTU          | 1 1                           | REMOVE/REPLAC                               | CE LAND           | SCAPING           |                | l<br>I    | 31            | FT [                   | C     |           | I S              | С   | I                | 3-WF3               | 3.11     |             |
| <br>   <br>   | l<br>I          | <br> X20201 <br> 114215       | MACH DIG TREN<br>TRAFFIC BEA<br>ASPHALT, CC | ARING S           | TEEL PL           |                | 1         | 8<br>1        | EA  <br>  TN           |       | C<br>C    | S                | -   | (G7453<br> <br>  | C-BH<br> 3SWF4      | 0.41     |             |
| I-N           | REM-3 '<br>[    | X30007                        | TRENCH SPOIL<br>DUMPING FEE                 | 3 FT              | Depth             |                | 1         | 10<br>3       | FT  <br>  CY           |       | C         | S  <br>  S       | С   | -                | IC-DT               | 0.9      |             |
| [_N]<br>[     | SLR-18<br>      | <br>   <br> 656400 <br>       | BACKFILL SLUF<br>SLURRY MIX,                | RRY 18<br>. 1 SAC | IN WIDE<br>K SAND | X 12 IN 1      |           | 30<br>2       | FT <br> CY             | С     | <br>  C . |                  | с   | G7409            | <br> 3-WF3<br> <br> | 0.1      | ·           |
| E-N <br> <br> | 1EB3SL          | <br> 249664[                  | 1-3 IN EB CON<br>CONDUIT DB<br>SLURRY MIX,  | 3 IN 2            | O FT LE           | NCASED<br>NGTH | 1         | 10<br>10<br>1 | FT  <br>  FT  <br>  CY | С     |           | S [<br>     <br> | С   | 13376.1<br> <br> |                     | 0.1      |             |
|               | 1-3SL8<br> <br> | !  <br> 321878 <br> 656400    | 1-3 IN DB 45<br>BEND CONDUI<br>SLURRY MIX,  | T DB 3            | IN 45             | D SLURRY H     | INC       | 1<br>1<br>1   | EA<br>CY               | С     |           | (S)<br>          |     | 3373.2           | 1                   | <b> </b> |             |
| <br>[-N       | LN-S/U          | [  <br>[ ]                    | TC-LANE CLOSU                               | jre urb           | AN STRE           | ET             |           | 1             | EA                     | С     | i i       | <br> S           | С   | l                | i<br>I TC3          | 1.0      |             |
|               |                 | 1                             | LANE CLOSURE                                |                   |                   |                |           |               |                        |       |           |                  |     |                  |                     |          |             |

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| ROJECT: 25                   | 3568 .           | TOB-01                  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 762 -               | T&C JOB      | 1         |             |                 |             | 5             | STATUS: AC       | T WOF                   | K ORDE              | R: 2960700   |
|------------------------------|------------------|-------------------------|--|--------------|-----------|-------------|-----------------|-------------|---------------|------------------|-------------------------|---------------------|--|
| ESIGN: 01                    | NAME             | ROLAND                  | O BLK 7G2 T&C JOB 1 STATUS:  | ACT          |           |             |                 |             |               |                  |                         |                     |  |
| CATTON: 3                    | 96 SHEE          | <br>ET: 01              | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |              | /         |             |                 |             | PHO           | NE: 999-99       | 99 1                    | OCATIO              | N 396 OF 58  |
| ALC: NO.                     |                  |                         | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD | <br>  UM  | WRK         | MAT<br>RSP      | TIM<br>TRT  | ACC           | STANDARD<br>PAGE | CREW  <br> TYPE         | EST  <br>HOURS      |  |
| I – N [                      | [3'HD-A]         | I I                     | HAND DIG TRENCH 3 FT DEEP AVE  | 37           | FT        | C           |                 | \$          | [ C           | G7453<br>        | 3-WF3                   | 13.8                |  |
| I-N <br>                     | <br> BKF-3' <br> | i i                     | BACKFILL TRENCH 3 FOOT DEEP  | i 37         | FT        | C  <br>     |                 | S           | I C           | [<br>F           | 3-WF3 <br> C-BC         | 0.6                 |  |
| I <b>-N</b>  <br>1           |                  | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 2            | TN        | 1           | с               | S<br> <br>  | 1 C<br> <br>  | G7405            | ]C-BH  <br> C-DT        | 0.1 <br>0.1 <br>0.1 |  |
| <br>                         | 1DB3-S           | 249664                  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 37<br>  37   | FT        | i c<br>I    | с               | ] S<br>     | C<br>         | 3373.1           | 1                       | 0.6[                |  |
| [-N[<br>                     | j                | ן X30007                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 37<br>  4    | FT<br>CY  | C<br>  C    |                 | S           |               | i<br>t           | <br> C-DT<br>           | 0.9                 |  |
| <br>I-N                      | <br>  PLANTU     | I I                     | REMOVE/REPLACE LANDSCAPING   | 1 32         |           | i c         |                 |             |               | 1                | <br> 3-WF3<br>          | 3.2                 | and the second s |
| I-N]                         | CC-2CT           | i i                     | CONCRETE 2 SAW CUT AND BREAK MECH  | j 5          |           | i c         |                 | •           | C<br>         | 1                | •                       | 0.2                 |  |
| I-N                          | <br> CF-H12      | I I                     | FINISH CONCRETE SURFACE MAN 12 IN  |              | FT        | i c         |                 | s           | C<br>  C      | İ                | <br> SR3CS              | Í                   |  |
| <br> -N <br>                 | 1                | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 3            | EA<br>TN  | i –         |                 | \$<br> <br> | ic<br>I<br>I  | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4 | 0.1                 |  |
| I-N <br>                     | REM-3'<br>       | i x30007 i              | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 3          |           | <br>  C<br> |                 | S           |               | i                | <br> C-DT<br>           | 0,3                 |  |
| <br> -N <br>                 | SLR-18           | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1            | СХ        | 1           | l C             | [ \$<br>[   | C             | G7409<br>        | [<br> 3-WF3<br>]        |                     |  |
| <br>  <b>- in</b>  <br> <br> | 1EB3SL<br> <br>  | 249664 <br> 656400      | 1-3 IN EE CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 3<br>  3     | FT        | i c         | i<br>1 C<br>1 C | S<br> <br>  | C<br> <br>    | 3376.1<br> <br>  |                         |                     |  |
| [-N <br>[                    | 1                | <br> 321878 <br> 656400 | 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | i 1<br>i 1   | EA<br> CY | i i         | i c<br>i c      | S<br>       | <br>          | 13373.2<br>1     |                         |                     |  |
| I-N                          | <br> LN-S/U      | [ ]                     | TC-LANE CLOSURE URBAN STREET   | 1            | EA        | <br>.  C    | l I             | S           | 1<br>1 C<br>1 | 1                |                         | 1.0                 |  |
|                              | <br> LN/S/S      |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1            |           | <br>  C     |                 |             |               |                  |                         |                     |  |

## WORK FAC FUNC CODE DESC

EXIST TAG NEW TAG

## CONSTRUCTION NOTES

SEE SHT 5

| DP001EM2-L4        | 1:36        | 01               |   |                        | SAN DIEGO GAS AN<br>S - DESIGN REVIEW | COPY  | - DE1      | TAII         |       |      |             |            |             |                     | P               | AGE NO 445                            |
|--------------------|-------------|------------------|---|------------------------|---------------------------------------|-------|------------|--------------|-------|------|-------------|------------|-------------|---------------------|-----------------|---------------------------------------|
| ROJECT: 2          | 53568       |                  | REV:0 TYPE:                                       | UD NAM                 | E: ROLANDO BLK 7G                     | 2 -Ta | C JOB      | 1            |       |      |             | Ş          | STATUS: AC  | T WOR               |                 | R: 2960700                            |
| DESIGN: 01         | NAME        | : ROLANI         | DO BLK 7G2 T&C JO                                 | в 1                    |                                       | US: A | CT         |              |       |      |             |            |             |                     |                 |                                       |
| OCATION:           | 397 SHE     | ET: 01           | DISTRICT: CM                                      | DESIGNED :             | BY: GEORGE BONNER                     | t l   |            |              |       |      |             |            |             |                     |                 | N 397 OF 58                           |
| WRK!<br>F-C!MU ID  | l<br> AU ID | <br>  STOCK#     | DESCRIPT  | ION/CONST              | RUCTION NOTES                         |       | QTY<br>RQD | <br>∣ŲM∣     | RSP   | RSP  | TIM <br>TRT | ACC<br>TRT | STANDARD    | CREW<br> TYPE       | EST  <br> HOURS |                                       |
| I-NI               | 3421-1<br>  | <br> 514240      | PAD 3421 1-PHA<br>PAD 1-PHASE                     | SE TRANSF              | ORMER<br>PHASE F.C. 3421              | i     | 1<br>1     | EA  <br>  EA | c     | с    | S I         | с          | 3421.1      | 3-AF4<br>           | 0.4             |                                       |
| ]<br>I→N]          | X-XF1P      |                  |   | PAD (1-PH              | ASE TRANSFORMER)                      |       |            |              | С     |      |             |            | ]<br>]<br>] | <br> 3SWF3          |                 |                                       |
| I-N  <br>          |             | <br> <br> 812816 | TRENCH GRD WIR<br>WIRE BARE CO                    | E W/O ROD<br>PPER #2-7 | S (TRANS/CAP)<br>STR SOFT DRAWN       |       | 1<br>8     | EA  <br>LB   | C     | c    | S ]<br>]    | С          | 4510.1      | 3SWF3<br>           | 0.2 <br>        |                                       |
| <br>  N-I<br> <br> | 1-3SLB      | 322048           | 1-3 IN DB 90 D<br>  BEND CONDUIT<br>  SLURRY MIX, | DB 3 IN                | 90 D 36 IN R                          | Í     |            | EA  <br>  EA | i     | с    | S           | С          | 3373.2<br>  | <br> 3-WF3<br> <br> | 0.3             |                                       |
| WORK FA            | +           |                  | EXIST TAG   | NEW TAG                |                                       |       |            | ,<br>C       | CONST | RUCT | TION        | NOTI       | ES          |                     | `               |                                       |
| ž P                | D PAD       |                  |   | D218246                |                                       | SEE   | SHT 5      |              |       |      |             |            |             |                     |                 |                                       |
|                    |             |                  |   |                        |                                       |       |            |              |       |      |             |            |             |                     |                 | · · · · · · · · · · · · · · · · · · · |
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| 001EM2-LOCAL40-001<br>/05/17 11:36                                    | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP   | Y - DETAIL   |
|---|--|--|
| OTECT: 253568 JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T  |  |
| SIGN: 01 NAME: ROLAND   |  | ACT  |
|   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  | PHONE: 999-9999 LOCATION 398 OF 5  |
| RKI I I I I   | DESCRIPTION/CONSTRUCTION NOTES   | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS <br>++   |
| -NI  1EB3IN   <br>   248201i<br>   249664 <br>   663528 <br>   663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 98 FT  C     S   C  3376.1  3-WF3  1.4 <br>  2 CY    C     1      <br>  98 FT    C     1   1  <br>  17 EA    C     1   1    <br>  17 EA    C       1   |
| 1   322048  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R  | 2     EA     C     S     C     3373.2     3-WF3     0.1       1     2     EA     I     C     I     I     I       1     1     C     I     I     I     I |
| ORK FAC   | exist tag new TAG  | CONSTRUCTION NOTES   |
|   | SEE  | SHT 5,6  |
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| DP001EM2-LO                    |            | 01          |                       |           |                 |           |       | GAS AND |             |        |            |           |                     |      |     |                    |           | E       | AGE NO 447   |
|--------------------------------|------------|-------------|-----------------------|-----------|-----------------|-----------|-------|---------|-------------|--------|------------|-----------|---------------------|------|-----|--------------------|-----------|---------|--------------|
| 09/05/17 11<br><br>PROJECT: 25 |            |             | P                     |           |                 |           |       |         |             |        |            | -         |                     |      |     |                    |           |         | 2060200      |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         | R: 2960700   |
|                                |            |             |                       |           |                 |           |       | STATU:  |             |        |            |           |                     |      |     |                    |           |         |              |
| LOCATION: 3                    |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     | NE: 999-99         |           | LOCATIC | N 399 OF 587 |
| WRK <br> F-C MU ID<br>         | AU ID      | STOCK#      | ]                     |           |                 |           |       |         | [           | RQD    | UΜ         | RSP       | RSP                 | TRT  | TRT | STANDARD<br>  PAGE | TYPE      | HOURS   |              |
| i [                            | [          | 162690      | HAND H<br>  QUAZ      | IOLE 3309 | .2 37           | "X 26" X  | K 26" |         | 1           | 1<br>1 | ÊA <br> EA | с         |                     | SI   | С   | (3309.2            | 3SWF3<br> | 0.81    |              |
| ] I–N[<br>] [                  | [          | <br> 162690 | INSTAL<br>  QUA2      | L EXCAVA  | ATION/<br>37"X2 | REMOVE    |       |         | 1<br>1<br>1 | 1<br>1 | EA<br>EA   | С         | 1  <br>1 C          | S (  | С   | 3309.2<br>I        | Ì         | 0.81    |              |
| II-NI                          | 1-3SLB<br> | 322048      | 1-3 IN<br>  BEND      | CONDUIT   | DB 3            | 3 IN 90 I |       |         | 1<br>1<br>1 | 3      | EA<br>EA   | с         | 1 0 1<br>1 0 1      | S    | с   | <br> 3373.2<br>    | 1         | 0.2     |              |
| 1 1                            | i I        |             | SLUF<br> <br>  REMOVE |           |                 |           |       |         | 1<br> <br>  |        | i i        |           | 1 C 1<br>1 1<br>1 1 |      |     |                    | Ì         |         |              |
| WORK FAC                       |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         | ·            |
| FUNC CODE                      |            |             | EXIS                  | ST TAG    | NEW             | TAG       |       |         |             |        | C          | CONST     | IRUCI               | CION | NOT | ES                 |           |         |              |
|                                |            |             |                       |           |                 |           |       |         | SEE S       | SHT 6  |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 | _         |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                | · · ·      |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            | · · • · · |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
| _•• • ···· <b>—</b> • ·        |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                | <b></b>    |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        | ·          |           |                     | •    |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |
|                                |            |             |                       |           |                 |           |       |         |             |        |            |           |                     |      |     |                    |           |         |              |

| ROJECT: 25            | 3568        | JOB:01       | REV:0 TYPE: UD                       | NAME: ROI    |              |           | 1          |      |        |      |     | STATUS: AC         | T WO.                   |                         | K: 2960  |  |
|-----------------------|-------------|--------------|--------------------------------------|--------------|--------------|-----------|------------|------|--------|------|-----|--------------------|-------------------------|-------------------------|----------|--|
|                       |             |              | O BLK 7G2 T&C JOB 1                  |              | STATUS:      |           |            |      |        |      |     |                    |                         |                         |          |  |
| OCATION: 4            |             |              | DISTRICT: CM DES                     | IGNED BY: GH | EORGE BONNER |           | <b>.</b>   |      |        |      |     | NE: 999-99         |                         |                         | N 400 OF |  |
| WRK <br>F-C MU ID     | AU ID       | <br>  STOCK# | DESCRIPTION                          | CONSTRUCTIO  | ON NOTES     | ROD       | UM         | RŚP  | RSP    | TRT  | TRT | STANDARD<br>  PAGE | TYPE                    | HOURS                   |          |  |
| I-N                   | 3'HD-A      | !+<br>       | HAND DIG TRENCH                      | 3 FT DEEP A  | AVE          | 1 17      |            |      |        |      |     | G7453              | 3-WF3                   | 1 6.61                  |          |  |
| I-N <br>1             | <br> BKF-3' |              | BACKFILL TRENCH 3                    | FOOT DEEP    |              | 1 17      | FT         | С    |        |      | с   | i                  | 13-WF3<br>1C-BC         | 0.3                     |          |  |
| ]<br>I-N]<br>]        |             |              | SHADE TRENCH WITH<br>SAND, FILL REC  |              |              | 17<br>  1 |            |      | C      |      | С   | 1                  | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 |          |  |
| i                     |             |              | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN |              | гн           |           | FT<br>  FT |      | C      |      | с   | <br> 3373.1<br>    | 3-WF3                   |                         |          |  |
| I-N <br> <br>         | <br> R-XCES |              | EXCESS TRENCH SPO<br>DUMPING FEE     | IL (12 IN 1  | DEEP)        |           | FT<br> CY  |      | l<br>c |      | С   | 1                  | C-DT                    | 0.4                     |          |  |
| 1-NI                  | PLANTU      |              | REMOVE/REPLACE LA                    | NDSCAPING    |              | 1 17      | FT         | i c  |        | S    | С   | 1                  | 3-WF3                   | · · · ·                 |          |  |
| <br>I-N               | <br> LN-S/U | 1 I          | TC-LANE CLOSURE U                    | RBAN STREET  |              | 1         | ΕA         | c    | 1      | S    | С   |                    | TC3                     | 1.0                     |          |  |
| 1-N                   | <br> LN/S/S | 1<br>        | LANE CLOSURE URBA                    | N ST (STREE  | T REPAIR)    | 1         | i<br>EA    | l c  | 1      | S    | с   |                    | TC4                     | 1.0                     |          |  |
| WORK FAC<br>FUNC CODE |             |              | EXIST TAG NE                         | W TAG        | <i></i>      | <b></b>   | (          | CONS | IRUC'  | rion | NOT | ÊS                 |                         |                         |          |  |
|                       |             |              |                                      |              |              | SHT 6     |            |      |        |      |     |                    |                         |                         |          |  |
|                       |             |              |                                      |              |              |           |            |      |        |      |     |                    |                         |                         |          |  |
|                       |             |              |                                      |              |              |           |            |      |        |      |     |                    |                         |                         |          |  |

| PROJECT:       253568       JOB:01       REV:0       TYPE:       UD       NAME         DESIGN:       01       NAME:       ROLANDO       BLK 7G2 T&C JOB 1       DESIGNE:       DESIGNE:       01       DESIGNE:       DESIGNE:       01       DESIGNE: | STATUS<br>BY: GEORGE BONNER<br>RUCTION NOTES<br>BREAK MECH<br>CH 18 IN<br>)<br>EEP BACKHOE<br>PLATE<br>H<br>IDE X 12 IN DEEP<br>ND | : ACT<br>! QTY<br>! QTY<br>! RQD<br>! 28<br>! 28<br>! 28<br>! 28<br>! 38<br>! 1<br>! 38<br>! 29<br>! 1<br>! 38<br>! 38<br>! 1<br>! 38<br>! 29<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 1<br>! 28<br>! 28<br>! 1<br>! 28<br>! 3<br>! 1<br>! 1<br>! 38<br>! 1<br>! 1<br>! 1<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 28<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 1<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 38<br>! 10<br>! 10<br>! 38<br>! 10<br>! 10<br>! 38<br>! 10<br>! 10<br>! 10<br>! 10<br>! 10<br>! 10<br>! 10<br>! 10 | <br>  UM(<br>  FT<br>  FT<br>  SF<br>  TN<br>  FT<br>  EA<br>  TN<br>  EA<br>  TN<br>  EA<br>  TN<br>  ITN<br>  ITN<br>  ITN<br>  ITN<br>  ITN | WRK<br>{RSP<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C                | MAT<br>IRSP<br>I<br>C<br>C<br>C<br>C<br>C                        | TIM <br> TRT <br>  S  <br>  S  <br>  S  <br>  S  <br>  S  <br>  S  <br>  S       | PHON<br>ACC<br>TRT<br>C<br>C<br>C | IE: 999–9<br>STANDARD<br>PAGE<br>G7453 | 9999 L<br>  CREW  <br>  TYPE  <br>  SR3AS <br>     <br>  C-BC  <br>  SR-3A <br>     <br>                                    | EST  <br>HOURS <br>0.71<br>1.9<br>1.9<br>1.5<br>1.5<br>3.0<br>3.3<br>4  | 401 OF 58 |
|---|--|---|--|--|--|--|-----------------------------------|--|---|---|-----------|
| WRK                          F-C[MU ID  AU ID  STOCK#]       DESCRIPTION/CONSTI         I-N        (AS-2CT          ASPHALT 2 SAW CUT AND ID         I-N        (AS-M18)         ASPHALT BASE & TOP MEG   | RUCTION NOTES<br>BREAK MECH<br>CH 18 IN<br>)<br>EEP BACKHOE<br>PLATE<br>H<br>IDE X 12 IN DEEP<br>ND                                | QTY<br>  RQD<br>  28<br>  28<br>  28<br>  28<br>  28<br>  3<br>  1<br> <br>  38<br>  29<br>  1<br> <br>  38<br>  10<br> <br>  114   | UM(<br>  UM(<br>  FT  <br>  FT  <br>  FT  <br>  FT  <br>  EA  <br>  FT  <br>  FT  <br>  CY   | WRK<br>  RSP<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C | MAT<br> <br>  RSP<br> <br>  C<br>  C<br>  C<br>  C<br>  C<br>  C | TIM <br>TRT <br>S  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S                      | ACCI<br>TRTI<br>C I               | STANDARD<br>PAGE<br>G7453              | C-BC  <br>  CREW  <br>  TYPE  <br>  SR3AS  <br>  C-BC  <br>  SR-3A <br>   <br>  C-BC  <br>  C-BH  <br>  3SWF4  <br>    C-DT | EST  <br>HOURS <br>0.7]<br>1.9]<br>1.9]<br>1.5]<br>3.0]<br>3.3]         |           |
| WRK                                  F-C MU ID        AU ID        STOCK#        DESCRIPTION/CONSTI-         I-N         AS-2CT          ASPHALT       2 SAW CUT AND ID                                  ASPHALT       2 SAW CUT AND ID                                 ASPHALT       2 SAW CUT AND ID                                 ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       BASE & TOP MEN   ASPHALT       (BASE)   ASPHALT       (COLD MEN   ASPHALT       (COLD MIX  | RUCTION NOTES<br>BREAK MECH<br>CH 18 IN<br>)<br>EEP BACKHOE<br>PLATE<br>H<br>IDE X 12 IN DEEP<br>ND                                | QTY<br>  RQD<br>  28<br>  28<br>  28<br>  28<br>  28<br>  3<br>  1<br> <br>  38<br>  29<br>  1<br> <br>  38<br>  10<br> <br>  114   | UM(<br>  UM(<br>  FT  <br>  FT  <br>  FT  <br>  FT  <br>  EA  <br>  FT  <br>  FT  <br>  CY   | WRK<br>  RSP<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C<br>  C | MAT<br> <br>  RSP<br> <br>  C<br>  C<br>  C<br>  C<br>  C<br>  C | TIM<br>TRT  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S  <br>S | ACCI<br>TRTI<br>CI<br>CI          | STANDARD<br>PAGE<br>G7453              | CREW  <br>TYPE  <br>SR3AS <br>C-BC  <br>SR-3A <br> <br>C-BC  <br>C-BC  <br>C-BH  <br>3SWF4 <br> <br>C-DT                    | EST  <br>HOURS[<br>0.7]<br>1.9]<br>1.9]<br>1.5]<br>1.5]<br>3.0]<br>3.3] |           |
| I-N!       (AS-2CT)       ASPHALT 2 SAW CUT AND 1         i       i       i         I-N!       (AS-M18)       ASPHALT BASE & TOP MEG         i       1       (X20022)       GRIND ASPHALT (PER SF         i       1114201       ASPHALT (BASE)         i       1114202       ASPHALT (TOP)         i       1114202       ASPHALT (TOP)         i       1114202       ASPHALT (TOP)         i       1114201       TRAFFIC BEARING STEEL         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX         i       1114215       ASPHALT, COLD MIX  | BREAK MECH<br>CH 18 IN<br>)<br>EEP BACKHOE<br>PLATE<br>H<br>IDE X 12 IN DEEP<br>ND   | 28<br> <br>  28<br>  28<br>  3<br>  1<br> <br> <br>  38<br>  29<br>  1<br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br>  | FT  <br>  FT  <br>  SF  <br>  TN  <br>  TN  <br>  FT  <br>  EA  <br>  FT  <br>  FT  <br>  CY   |  |  | S  <br>  S  <br>  S  <br>  S  <br>  S  <br>  S  <br>  S                          |                                   | G7453                                  | SR3AS <br>       <br>  C-BC  <br>  SR-3A <br>     <br>  C-BC  <br>    C-BC  <br>  C-BH  <br>  3SWF4]<br>      C-DT          | 0.7]<br>1.9]<br>1.9]<br>1.5]<br>1.5]<br>3.0]<br>3.3]                    |           |
| I-N       IAS-M18       ASPHALT BASE & TOP MEG         I       IX20022       GRIND ASPHALT (PER SF         I       I114201       ASPHALT (BASE)         I       I114201       ASPHALT (BASE)         I       I114201       ASPHALT (BASE)         I       I114202       ASPHALT (TOP)         I       I114202       ASPHALT (TOP)         I       I114202       ASPHALT (TOP)         I       I114202       ASPHALT (TOP)         I-N       IBH03XH       MACH DIG TRENCH 3 FT DI         I       IX20201       TRAFFIC BEARING STEEL         I       I14215       ASPHALT, COLD MIX         I       IX30007       DUMPING FEE         I       IX30007       DUMPING FEE         I       ISLR-18       BACKFILL SLURRY 18 IN W         I       IG564000       SLURRY MIX, 1 SACK SAI         I       I2482011       CONCRETE - 2 SACK (GRI         I       I2482011       CONDUIT CONC I         I       I2496641       CONDUIT DB 3 IN 20 FT         I       I6635281       SPACER INTERMEDIATE 5         I       I6635301       I N BASE SPACER   | EEP BACKHOE<br>PLATE<br>H<br>IDE X 12 IN DEEP<br>ND  | 28<br>  28<br>  3<br>  1<br> <br>  38<br>  29<br>  1<br> <br>  38<br>  10<br> <br>  114   | FT  <br>  SF  <br>  TN  <br>  TN  <br>  FT  <br>  EA  <br>  FT  <br>  FT  <br>  CY   | C<br>  | C<br>  C<br>  C<br>  C<br>  C                                    | S  <br>     <br>    1<br>    1<br>    1<br>    1<br>    1<br>                    | c                                 | G7453                                  | SR-3A <br>     <br>  C-BC  <br> C-BC  <br> C-BH  <br> 3SWF4]<br>    1<br> C-DT  | 1.9 _<br> <br>  1.5 _<br>  1.5 <br>  3.0 _<br>  3.3 _                   |           |
| I-N        BH03XH        MACH DIG TRENCH 3 FT DI                  X20201        TRAFFIC BEARING STEEL                  114215        ASPHALT, COLD MIX                         1         I-N        REM-3'        TRENCH SPOIL 3 FT DEPTI                         1                  X30007        DUMPING FEE  | PLATE<br>H<br>IDE X 12 IN DEEP<br>ND   | 38<br>  29<br>  1<br>  38<br>  10<br> <br>  114   | FT  <br>  EA  <br>  TN  <br>  TN  <br>  FT  <br>  CY   |  | <br>  C<br>  C<br>   | S  <br>   <br>  ]<br>  S   | c                                 | G7453                                  | C-BC  <br> C-BH  <br> 3SWF4]<br>  1<br> C-DT ]  | 1.5 <br>1.5 _<br>3.0 _<br>3.3 _   |           |
| L-N   REM-3'    TRENCH SPOIL 3 FT DEPTI<br>   X30007  DUMPING FEE<br>       <br>I-N   SIR-18    BACKFILL SLURRY 18 IN W.<br>     656400  SLURRY MIX, 1 SACK SAU<br>       1EB3IN    1-3 IN EB CONDUIT CONC :<br>     249664  CONDUIT DB 3 IN 20 FT<br>    663528  SPACER INTERMEDIATE 5<br>     663530  1 IN BASE SPACER  | IDE X 12 IN DEEP<br>ND   | 38<br>  10<br> <br>  114  | FT <br> CY   | i c<br>I   | i  | si   | С                                 |  | C-DT  | 3.3[  |           |
| I-N           SLR-18          BACKFILL SLURRY 18 IN W.                      656400          SLURRY MIX, 1 SACK SAL   L-N           EB3IN          1-3 IN EB CONDUIT CONC                      248201          CONCRETE - 2 SACK (GR)                      249664          CONDUIT DB 3 IN 20 FT                      663528          SPACER INTERMEDIATE 5                      663530          1 IN BASE SPACER  | ND   | 114   |  | 1  | 1  | i i  |                                   |  | i i   | . 1   |           |
| I-N   1EB3IN   1-3 IN EB CONDUIT CONC :<br>    248201   CONCETE - 2 SACK (GR.<br>    249664   CONDUIT DB 3 IN 20 FT<br>  663528   SPACER INTERMEDIATE 5<br>    663530   1 IN BASE SPACER  |  | i   |  | 1  |  |  | -                                 | G7409                                  |   | 0.21  |           |
|   | AVEL MIX)<br>LENGTH  | 72<br>  2<br>  72<br>  13<br>  13   | FT<br>  CY<br>  FT<br>  EA   | C<br> <br> <br>  |  |  | С                                 | 3376.1                                 | 3-WF3 <br>1  <br>1  <br>1  <br>1  | 1.01  |           |
| I-N  (1-3SLB    1-3 IN DB 90 D 36 IN R 3<br>    322048  BEND CONDUIT DB 3 IN<br>    656400  SLURRY MIX, 1 SACK SA   | 90 D 36 IN R   | 2<br>  2<br>  1   | i E A I  | C<br> <br>   | l C<br>l C   | S  <br>  |                                   | 3373.2                                 | 3-WF3 [<br>     <br>  |   |           |
| I-N [ [LN-S/U]   TC-LANE CLOSURE URBAN S  | TREET  |   |  | c  | 1  |  | C                                 |  | 1TC3 [  | 1.0   |           |
| I-N LIN/S/S LANE CLOSURE URBAN ST (   | STREET REPAIR)   | -   |  | 1 C  |  | S  | с                                 |  | TC4 I   | 1.01  |           |
| I I I I I I I I I I I I I I I I I I I   | ÍNG  | j 10  |  | j c  | i –  | SI   | -                                 |  | <br> 3-WF3[   | 1.0   |           |
| I-N XING-U TC-TRAFFIC CONDITIONS S  | TREET CROSSINGS  | 1<br>  1  | TN   | i c  | <br>  C  | S  <br>  |                                   |  | TC4   | 0 1   |           |
| I I I I<br>I-N! XING/S!   TRAFFIC COND. (XING LAN.  | E) STREET REPAIR   | 1   |  |  | ]<br>]   |  | С                                 |  | <br> TC4 [  |   |           |

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| ROJECT:            | 253568           | JOB:01             | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                    | -T&C JOB          | 1                  |              |                 |            |               |                  |                            |                     | R: 2960700   |
|--------------------|------------------|--------------------|--|-------------------|--------------------|--------------|-----------------|------------|---------------|------------------|----------------------------|---------------------|--------------|
| ESIGN: 0           | 1 NAME           | ROLAND             | O BLK 7G2 T&C JOB 1 STATUS   |                   |                    |              |                 |            |               |                  |                            |                     |              |
|                    |                  |                    | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                    |              |                 |            | PHON          | VE: 999-99       | 99 L                       | OCATIO              | N 402 OF 587 |
| WRK]<br>F-C MU I   |                  | STOCK#1            | DESCRIPTION/CONSTRUCTION NOTES   | ROD               | UM                 | RSP          | RSP             | TRT        | TRT           | STANDARD<br>PAGE | TYPE                       | HOURS               |              |
| I-N                | 3'HD-A           |                    |  | 1 13              | 1.00               | i n          |                 | S          | C             | G7453            | 3-WF3                      | 5.21                |              |
| I-N <br>           | <br> BKF-3'<br>! |                    | HAND DIG TRENCH 3 FT DEEP AVL  | 13                | FT                 | c            |                 | S<br>      |               |                  | 3-WF3[<br> C-BC {          | 0.21                |              |
| I-N <br> <br>      | SHD-12<br> <br>  | 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 13<br>  1         | FT<br>TN           |              | с               | <br> <br>  | C<br> <br>    | G7405            | 3-WF3 <br> C-BH  <br> C-DT | <br> <br>           |              |
| ]<br>I-N <br>      | 1DB3-S           | 2496641            | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 13<br>i 13      | FT                 | i C          | l C             | S          |               | 3373.1           | <br> 3-WF3 <br>            | 0.2                 |              |
| I – N  <br>        | R-XCES           | X30007             | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 13<br>  2         |                    | C<br>        | 1               |            | i c           | I                | C-DT [                     | 0.3                 |              |
| I-NI               | PLANTU           |                    | REMOVE/REPLACE LANDSCAPING   | •                 | )<br>] FT          |              | <br> <br>       | S          | I C           | [<br>            | 3-WF3                      | 1.3                 |              |
| I-N                |                  | [ ]                | ASPHALT 2 SAW CUT AND BREAK MECH   | 1 51              | FT                 | l C          | 1<br>[          | S          | C             | 1                | SR3AS                      | 1.3                 |              |
| I-N <br>           | I.               | <br> 114201        | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  |                   | FT<br>  TN         | C            |                 | S          | C<br>         | ]<br>            | IC-BC  <br> SR4AL          | 1.4<br>1.4          |              |
| 1<br>1-N <br> <br> | BH03XH           | X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 53<br>  1         | EA                 | i            |                 | 1          | i c<br>l<br>l | G7453<br> <br>   |                            | 2.8 <br>2.8 <br>5.6 |              |
| I-N <br>[          | REM-3'<br>1      | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 70<br>i 18      | CY                 | i c<br>I     |                 | Ş          | <br>  C<br>   | i<br>1           | C-DT                       | 6.2                 |              |
| I-NI               | SLR-18<br>       | 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLÜRRY MIX, 1 SACK SAND                                     | 1 210             | CY                 | I C<br>I     | i c             | S          | 1 C           | G7409<br>        | 3-WF3                      | 0.4                 |              |
| 1<br>I-N 1<br>     | 1EB3SL<br> <br>  | 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 70<br>  70<br>  2 | FT<br>  FT<br>  CY | i c<br> <br> | 1 C<br>1 C      | S<br> <br> | C<br> <br>    | 3376.1<br> <br>  | 3-WF3                      | 1.0                 |              |
| I-N <br> <br>      | 1-3SLB<br> <br>  | 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | IEA                | C<br> <br>   | i<br>  c<br>  c | S<br>      | [<br>[        | 3373.2<br> <br>  |                            | l                   |              |
| <br>I-N            | LN−S/U           |                    | TC-LANE CLOSURE URBAN STREET   | 1 1               | EA                 | l<br>L C     | İ               | S          |               | 1                | TC3                        | 1.0                 |              |
| <br>I-N            |                  | i i                | LANE CLOSURE URBAN ST (STREET REPAIR)  | j 1               | EA                 | l<br>C       | l I             | S          |               | 1                | TC4                        | 1.0                 |              |
| I-N                | <br>  plantu     | •                  | REMOVE/REPLACE LANDSCAPING   |                   | <br>) FT           |              |                 | [<br>  S   | c             |                  | <br> 3-WF3                 |                     | ·            |

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| PROJECT: 253568                    | JOB:01    | REV:0      | TYPE:      | UD NAME:    | ROLANDO | BLK 7G2 | -T&C JOB 1              |              | STA     | TUS: ACT |          |           |
| DESIGN: 01 NA                      | ME: ROLAN | DO BLK 7G2 | T&C JO     | )B 1        |         | STATUS  | S: ACT                  |              |         |          |          |           |
| LOCATION: 402 S                    | HEET: 02  | DISTRICT:  |            | DESIGNED BY |         | BONNER  |                         |              | PHONE : |          | LOCATION |           |
| WORK FAC<br>FUNC CODE DE           | sc        | EXIST      | TAG        | NEW TAG     |         |         |                         | CONSTRUCTION |         |          |          |           |
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|                                    | <u> </u>  | <u> </u>   |            |             |         |         |                         |              |         |          |          |           |
| ·                                  |           |            |            |             |         |         |                         |              |         |          |          |           |
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| P001EM2-L00<br>9/05/17 11 | :36         |              |                       |           |        | DPSS   | AN DIE<br>- DESI | GN REV | IEW C | OPY -      | DET        | AIL        |     |        |       |               |              |            | F       | PAGE NO 452  |
|---------------------------|-------------|--------------|-----------------------|-----------|--------|--------|------------------|--------|-------|------------|------------|------------|-----|--------|-------|---------------|--------------|------------|---------|--------------|
| ROJECT: 25                | 3568 0      | JOB:01       | REV:0                 | TYPE      | UD     | NAME:  | ROLAN            |        |       |            |            | 1          |     |        |       |               |              |            |         | R: 2960700   |
| SIGN: 01                  | NAME        | ROLAND       |                       | 2 T&C JO  | DB 1   |        |                  | S      | TATUS | : ACT      |            |            |     |        |       |               |              |            |         |              |
| DCATION: 4                | 03 SHEI     | ET: 01       | DISTRICT              | : CM      | DESIG  | NED BY | : GEOR           | GE BON | INER  |            |            |            |     |        |       |               | NE: 999-99   |            | LOCATIO | N 403 OF 587 |
| WRK <br>F-C MU ID         | <br> AÙ ID  | <br>  stock# |                       | DESCRIPI  | rion/c | ONSTRU | CTION            | NOTES  |       | I Q<br>I R | QD []      | UM         | RSP | RSP    | TRT   | TRT           | STANDARD     | TYPE       | HOURS   |              |
| 1                         | 330926<br>  | <br> 162690  | HAND H<br>QUAZ        | IOLE 3309 | 9.2 37 | "X 26" | X 26"            |        |       | 1          | 1 1<br>1 1 | EA  <br>EA | С   | c      | S     | 1 C<br>1      | 13309.2<br>] | [35WF3<br> | ] 0.8   |              |
| I-N                       | X09H26<br>[ | 162690       | INSTAL<br>QUAZ        |           |        |        |                  |        |       |            | 1 :<br>1 : | EA <br>EA  | С   | l C    | I S I |               | 3309.2<br>   | 135WF3     | 0.8     |              |
| I <b>-</b> N[<br>[        | 1-35LB<br>  | 322048       | 1-3 IN<br>  BÉND      | ) CONDUIT | г дв З | IN 90  | D 36             |        | ĩC    | <br> <br>] | 3 <br>3    | EA  <br>EA | с   | i<br>c | S<br> | [             | 3373.2<br>   | 3₩F3<br>   | [ ]     |              |
| l                         | 1           |              | SLUR<br> <br>  REMOVE |           |        |        |                  |        |       | <br> <br>  | 1          |            |     | I      | I     | l<br> <br>  C |              | i.         |         |              |
|                           |             |              |                       |           |        |        |                  |        | s     | EE SH      | т 6<br>    |            |     |        |       |               |              |            |         |              |
|                           |             |              |                       |           |        |        |                  |        | -     |            |            |            |     |        |       |               |              |            |         |              |
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|                           |             |              |                       |           |        |        |                  |        |       |            |            |            |     |        |       |               |              |            |         |              |
|                           |             |              |                       |           |        | <br>   |                  |        |       |            |            |            |     |        |       |               |              |            |         | · · · · · ·  |
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|                           |             |              |                       |           |        |        |                  |        |       |            |            |            |     |        |       |               |              |            |         |              |

|                   |               |   | F&C JOB    |              |       |          |       |               |            |                |                   | R: 2960700  |
|-------------------|---------------|---|------------|--------------|-------|----------|-------|---------------|------------|----------------|-------------------|-------------|
|                   | NAME: ROLANI  | DO BLK 7G2 T&C JOB 1 STATUS:  | ACT        |              |       |          |       |               |            |                |                   |             |
| CATION:           | 404 SHEET: 01 | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                       |            |              |       |          |       |               | NE: 999-99 |                |                   | N 404 OF 58 |
| -C MU ID          |               | DESCRIPTION/CONSTRUCTION NOTES  | 1 RQD      | UM           | RSP   | RSP      | TRT   | TRT           |            | TYPE           |                   |             |
| -N [              | . , ,         |   | j 18       | ET           | С     | I        | s     | I C           | G7453      | 3-WF3          | 7.0               |             |
| -N                | BKF-3'        | BACKFILL TRENCH 3 FOOT DEEP   | 18<br>     | FT  <br>     | С     | <br>     | S<br> | C<br>         | 1          | 3-WF3<br> C-BC | 0.3<br>0.3        |             |
| -N ]<br>]<br>]    |               | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED | 18<br>  1  | FT  <br>  TN | С     | i<br>I C | S<br> | 1<br>1 C<br>1 | G7405<br>  | C-BH<br>  C-DT | 0.1<br>0.1<br>0.1 |             |
| 1<br>-N  <br>]    | 249664        | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                         | 18<br>  18 | FT           | С     | l C      | S<br> | 1             | 3373.1     | Ì              | 0.3               |             |
| -N  <br>          | X30007        | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                               | 18<br>  2  | FT  <br>  CY | С     | c        | S<br> | <br>  C<br>   |            | Ì              | 0.5               |             |
| -N                |               | CONCRETE 2 SAW CUT AND BREAK MECH   | 18         | FT           |       | Ì        | S     | C             | I          |                | 1 0.71            |             |
| <br>-N            |               | <br>  FINISH CONCRETE SURFACE MAN 12 IN                                       | i 18       | FT           | С     | İ        | S     | l<br>I C      | l          | SR3CS          | <br>  0.1         |             |
| <br>-N            |               | TC-LANE CLOSURE URBAN STREET  | 1          | EA           | С     | l        | 5     | <br>  C       | l          |                | 1.0               |             |
| <br>-N            | <br> LN/S/S   | LANE CLOSURE URBAN ST (STREET REPAIR)   |            |              |       |          |       | <br>  C       |            |                | <br>  1.0[        |             |
| ORK FA<br>UNC COD | C<br>E DESC   | EXIST TAG NEW TAG   | e sht 6    |              | CONST | TRÚC     | TION  | NOTI          | ES         |                |                   |             |
|                   |               |   |            |              |       |          |       |               |            |                |                   |             |
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| DP001EM2-LC<br>09/05/17 11 | DCAL40-00<br>1:36    | )1                     | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | LECTRIC              | TAI                |              |                 |            |               |                  |                           | P/                      | AGE NO 454   |
|----------------------------|----------------------|------------------------|--|----------------------|--------------------|--------------|-----------------|------------|---------------|------------------|---------------------------|-------------------------|--------------|
| PROJECT: 25                | 53568 3              | JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB              | 1                  |              |                 |            |               | STATUS: AC       | T WO                      | RK ORDEI                | R: 2960700   |
|                            |                      |                        | DO BLK 7G2 T&C JOB 1 STATUS:   | ACT                  |                    |              |                 |            |               |                  |                           |                         |              |
| LOCATION: 4                | 405 SHEE             | ET: 01                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                      |                    |              |                 |            | PHO           | NE: 999-99       | 99 1                      | LOCATIO                 | N 405 OF 587 |
| WRK!                       | 1                    |                        | DESCRIPTION/CONSTRUCTION NOTES   | 1 QTY                |                    | WRK          | MAT             | TIM        | ACC           | STANDARD         |                           |                         |              |
| [I-N]                      | 3'HD-A               |                        | HAND DIG TRENCH 3 FT DEEP AVE  | 17                   | ΓT.                | C            | 1               | S          | I C           | G7453            | 3-WF3                     | 6.6                     |              |
| I-N <br>                   | <br>  BKF-3 '<br>    |                        | <br>  BACKFILL TRENCH 3 FOOT DEEP<br>  | i 17                 | FT                 | i c<br>I     | 1               | ] S        | C<br>         | <br>             | 3-WF3<br> C-BC            | 0.3 <br>  0.3           |              |
| <br> I-N <br>  [<br>  [    | <br> SHD-12<br> <br> | 611492                 | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br>                        | i 17<br>I 1          | FT<br>  TN<br>]    | l            | <br>  c<br>     | S<br> <br> |               | G7405<br> <br>   | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>0.1             |              |
| I-N <br>                   | i -                  | 249664                 | <br>  1-3 IN DE CONDUIT SEC<br>  CONDUIT DE 3 IN 20 FT LENGTH  | 1 17                 | FT<br>FT           | [ C<br>[     | <br>  C         | S          | 1 C           | 3373.1           | (3-WF3                    | 1 0.3 <br>  0.3         |              |
| I-N]                       |                      |                        | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 17<br>  2            | FT<br>  CY         | i c          | i<br>i c        | S<br>      | i c<br>I      |                  | C-DT                      | 0.4 <br>                |              |
| [I-N]                      | plantu               | 1 1                    | REMOVE/REPLACE LANDSCAPING   | 17                   | FT                 | i c          | 1               | ] S        | i c           | l                | 3-WF3                     | 1.7                     |              |
| II-N                       |                      | 1                      | ASPHALT 2 SAW CUT AND BREAK MECH   | į 51                 | •                  | i c          | 1               | S          |               | i                | SR3AS                     | 1.3                     |              |
| I-N <br>                   |                      | i i                    | <br>  ASPHALT BASE MECH 18 IN<br>  ASPHALT (BASE)  | 51                   | FT                 | ; c<br>      | <br>  C         | S<br>      | i c           | i<br>I           | C-BC<br> SR4AL            | [ 1.4]<br>[ 1.4]        |              |
|                            | 1                    | [X20201]               | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>[ TRAFFIC BEARING STEEL PLATE<br>] ASPHALT, COLD MIX                        | 68<br>  51<br>  1    | FT<br>  EA<br>  TN | ; c<br>[<br> | <br>  C<br>  C  | S<br> <br> | 1 C           | G7453<br> <br>   | C-BC<br>  C-BH<br>  3SWF4 | 1 2.7<br>1 2.7<br>1 5.4 |              |
| I-N <br>  1                | REM-31               | I<br>IX300071          | TRENCH SPOIL 3 FT DEPTH<br>  DUMPING FEE   | j 68<br>j 17         | CY                 | i c          | i<br>I C        | I S        | i c           | 1                | IC-DT                     | 6.0 <br>                |              |
| I-N                        | <br> SLR-18<br> <br> | 656400                 | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP  | 1 12                 | FT<br>  CY         | 1            | )<br>  C<br>    | 1          | 1             | G7409<br>        | 3-WF3<br>                 | 0.4                     |              |
| I-N <br>                   | 1EB3SL<br> <br>      | <br> 249664<br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND                      | i 68<br>i 68<br>i 68 | FT<br> FT<br> CY   | C            | 1<br>  C<br>  C | S<br> <br> | 0  <br>1<br>1 | 1                | 3-WF3                     | [ ]                     |              |
|                            | 1                    | <br>  322048           | <br>  1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DB 3 IN 90 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND | 2<br>  2<br>  1      | EA<br>  EA<br>  CY | C<br>        | <br>  C<br>  C  | S<br> <br> | C<br> <br>    | [3373.2<br> <br> |                           |                         |              |
| 1  <br>  I-N               | LN-S/U               | i                      | TC-LANE CLOSURE URBAN STREET   | i 1                  | EA                 |              | i               | I S        | i c           | 1                |                           | 1.0                     |              |
|                            |                      | i                      | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | j 1                  | EA                 |              | Ì               | s          |               | i                | TC4                       |                         |              |
| ]<br> I-N                  | <br>  plantu         |                        | <br>  REMOVE/REPLACE LANDSCAPING   | 10                   |                    |              | •               |            |               |                  |                           | 1.0[                    | i            |

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| DP001EM2-LO<br>09/05/17 11 |            |               |         | DPS     |                                       | S AND ELECTRIC<br>VIEW COPY - DETA | IL           |        |          | PAG         | E NO 455   |
|----------------------------|------------|---------------|---------|---------|---------------------------------------|------------------------------------|--------------|--------|----------|-------------|------------|
|                            |            | :01 REV:0     | TYPI    |         |                                       | K 7G2 -T&C JOB 1                   |              |        |          | WORK ORDER: |            |
| DESIGN: 01                 | NAME: R    | OLANDO BLK 70 | 2 T&C 0 | ЈОВ 1   |                                       | STATUS: ACT                        |              |        |          |             |            |
|                            |            | 02 DISTRICT   |         |         | Y: GEORGE BO                          |                                    |              | PHONE: | 999-9999 | LOCATION    | 405 OF 587 |
| WORK FAC<br>FUNC CODE      |            | EXIS          | ST TAG  | NEW TAG |                                       |                                    | CONSTRUCTION | NOTES  |          |             |            |
| <u>.</u>                   |            |               |         |         |                                       | SEE SHT 6                          |              |        |          |             |            |
|                            |            |               |         |         |                                       |                                    |              |        |          |             |            |
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| ROJECT:         | 253568          | JOB:01             | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB           | 1                |            |                |             | 5          | STATUS: AC        | T WOR                       | K ORDE              | R: 2960700  |
|-----------------|-----------------|--------------------|---|-------------------|------------------|------------|----------------|-------------|------------|-------------------|-----------------------------|---------------------|-------------|
|                 |                 |                    | O BLK 7G2 T&C JOB 1 STATUS:   | ACT               |                  |            |                |             |            |                   |                             |                     |             |
| OCATION:        | : 406 SHE       | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                  |            |                |             | PHON       | VE: 999-99        | 99 L                        | OCATIO              | N 406 OF 58 |
| WRK <br>F-C[MU] | <br>ID  AU ID   | <br> STOCK#        |   |                   | i i              | TABK       | יייבוא         | ושדאו       |            | STANDARD          | LCREW                       | EST i               |             |
| I-NI            | 13'HD-A         | 1 1                | HAND DIG TRENCH 3 FT DEEP AVE   | 14                | FT               | С          |                | S           | Ç          | G7453             | 3-WE3                       | 5.5)                |             |
| I-NI            | BKF-3'          |                    | BACKFILL TRENCH 3 FOOT DEEP   | 1 14              | FT               | С          |                | ្រ          | с          |                   | [3-WF3]<br>[C-BC            | 0.2                 | -           |
| 1-N <br> <br>   | 1.              | <br> 611492        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                             | <br>  14<br>  1   | TN               |            | с              |             |            | G7405             | C-BH  <br> C-DT             |                     |             |
| I-N <br>        | <br> 1DB3-S<br> | <br> <br> 249664   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | 1.4               | FT               | c          | i<br>1 C       | ] S<br>]    | c          | 3373.1            | i i                         | 0.2                 |             |
| I-N[<br>!       | I R-XCES        | <br> X30007        | DUMPING FEE   | 2                 | CY               | C<br> <br> | <br>  C        | S<br>       | 1<br>[ C   |                   | Ç-DT [                      | 0.4                 |             |
| 1-N!            | PLANTU          |                    | REMOVE/REPLACE LANDSCAPING  | i 14              | FT               | i c        | <br> <br>      | S           | I C        |                   | 3-WF3!                      | 1.4                 | · · ·       |
| I<br>I-NI       |                 | I 1                | ASPHALT 2 SAW CUT AND BREAK MECH  | 1 35              | FT               | I C        | l              | S           |            | [                 | [ SR3AS ]                   | 0.9                 |             |
| I-NI            | 1               | <br> 114201        | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | j 35              | FT               |            | i              | <br>  S<br> | ίς<br>1    | 1                 | C-BC  <br> SR4AL            | 0.9 <br>0.9         |             |
| I-N <br>1       | BH03XH          | X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 1                 | EA<br>TN         | 1          | i c<br>i c     | 1           | C<br> <br> | G7453<br> <br>    | C-BC  <br> C-BH  <br> 3SWF4 | 1.8 <br>1.8 <br>3.6 |             |
| I-N             | REM-3 '<br>     | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                   | FT<br>CY         | i C        | 1              |             | i c        | i                 | TD-D]<br> C-DT  <br>        | 4.0                 | <b></b>     |
| 1-N <br>        | SLR-18          | 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 135<br>  8        | FT<br>  CY       | C<br>      | l<br>I C       | S           | C<br>      | G7409<br>         | 3-WF3                       | 0.31<br>I           |             |
| I-N <br>        | 1<br>1          | 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND               | 25<br>  25<br>  1 | FT<br> FT<br> CY | C<br>I     | <br>  C<br>  C | S<br> <br>  | C<br> <br> | 3376.1<br>        | [3-WF3]                     | 0.4                 |             |
| I-N <br>!       | 1-3SLB          | 13220481           | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX. 1 SACK SAND    |                   | EA<br> EA        | I C        | l<br>I C       | S           | i C<br>1   | 13373.2<br>1<br>1 |                             | 1                   |             |
| I – N 1<br>1    | 1-3sLs<br> <br> | 322144 <br> 656400 | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 3<br>  1          | EA<br>  CY       | l<br>1     | i c<br>i c     | E           | C<br> <br> | 3373_2<br> <br>   |                             |                     |             |
| I-N             | ILN-S/U         |                    | TC-LANE CLOSURE URBAN STREET  | j 1               | EA               | i c        | Ì              |             | C          | ĺ                 | TC3                         | 1.0                 | <b></b>     |
| I-N             | I<br>ILN/S/S    |                    | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                 | EA               | <br>  C    |                |             |            | ι<br>             | <br> TC4                    | 1.0                 |             |

| DP001EM2-LOCAL40-001<br>D9/05/17 11:36   |   |   |
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| 9/05/17 11:36       DSS - DESIGN REVIEW COPY - DETAIL         ROJECT: 253568       JOB:01       REV:0       TYPE: UD       NAME: ROLANDO BLK 7G2 -T&C JOB 1       STATUS: ACT       WORK ORDER: 2960700         ESIGN: 01       NAME: ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT       WORK ORDER: 2960700         ESIGN: 01       NAME: ROLANDO BLK 7G2 T&C JOB 1       STATUS: ACT         OCATION: 406       SHEET: 02       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LOCATION 406 OF 58         WRK        I       I       I       DESCRIPTION/CONSTRUCTION NOTES       I QTY i WRKIMATITIM ACCISTANDARD ICREW IEST I         F-CIMU ID IAU ID ISTOCK#I       DESCRIPTION/CONSTRUCTION NOTES       I QTY i WRKIMATITIM ACCISTANDARD ICREW IEST I         I-NI       IPLANTUI       REMOVE/REPLACE LANDSCAPING       I QTY i IWRKIMATITIM ACCISTANDARD ICREW IEST I         I-NI       IPLANTUI       REMOVE/REPLACE LANDSCAPING       I QTY I IWRKIMATITIM ACCISTANDARD ICREW IEST I         I-NI       IPLANTUI       REMOVE/REPLACE LANDSCAPING       I QIFTI C I S I C I ISI I         I-NI       IPLANTUI       TC-TRAFFIC CONDITIONS STREET CROSSINGS       I IFTI C I S I C I ITC4       I I         I-NI       IPLANTU       IPLANTU, I C I I I I       I I I       I I I       I I I       I I I       I I I |   |   |
| ESIGN: 01 NAME: ROLA   | ANDO BLK 7G2 T&C JOB 1 STATUS: AC                                 | T   |
| OCATION: 406 SHEET: 02   | 2 DISTRICT: CM DESIGNED BY: GEORGE BONNER                         | PHONE: 999-9999 LOCATION 406 OF 58  |
| WRK    [<br>F-C MU ID  AU ID [STOC]  |   | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS |
| I-N   PLANTU   | REMOVE/REPLACE LANDSCAPING  | 10 FT  C     S   C  |
| I-N   XING-U <br>     1142   | TC-TRAFFIC CONDITIONS STREET CROSSINGS  <br>15  ASPHALT, COLD MIX | 1 FT! C   [ S   C   [TC4   0.1]   |
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|  | EXIST TAG NEW TAG   | CONSTRUCTION NOTES  |
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|-------------------|-----------------|-------------------------|---|-------------------|----------------|------------|----------|---------------|--------------|------------------|-------------------------|-------------------------|--------------|
|                   |                 |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1<br>D BLK 7G2 T&C JOB 1 STATUS:                      |                   |                |            |          |               |              |                  |                         |                         |              |
|                   |                 |                         |   |                   |                |            |          |               |              |                  |                         |                         | N 407 OF 587 |
|                   |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                |            |          |               |              |                  |                         |                         |              |
| WRK <br>F-C MU IE |                 | STOCK#1                 | DESCRIPTION/CONSTRUCTION NOTES  | ROD               | I tīm i        | RSP        | RSP      | TRT           | TRT          | STANDARD<br>PAGE | TYPE                    | HOURSI                  |              |
| I-N[              | 13'HD-A         | I                       |   | 1 17              | । ਵਾਂਦਾ ।      | <u> </u>   |          | l C           | C            | LC7453           | 13 आरत 31               | 6 61                    |              |
| <br> -N <br>      | 1               |                         | BACKFILL TRENCH 3 FOOT DEEP   | 1 17              | E'T  <br>      | С          |          | S             | с            |                  | 3-WF3 <br> C-BC         | 0.3                     |              |
| 1-N <br>1<br>1    | - I             | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | 17<br>  1         | FT  <br>  TN   |            | c        | [ S<br>[<br>] | С            | G7405<br> <br>   | 3-WF3<br> C-BH<br> C-DT | 0.1                     |              |
| <br>              | I               | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                       | 17                | FT             | -          | C        | S<br>         | С            | 3373.1           |                         | 0.3                     |              |
| 1-N <br>          | IR-XCES         | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 17<br>  2         | CY             |            | i<br>I C |               | C            | <br>             | C-DT                    | 1 1                     |              |
| [<br>I-N[         | ICC-2CT         |                         | CONCRETE 2 SAW CUT AND BREAK MECH   | i 17              | FT             | С          | i        | <br>  S<br>   | С            | [                | SR3AS                   | 0.71                    |              |
| I-NI              |                 | l l                     | FINISH CONCRETE SURFACE MAN 12 IN   | j 17              | FT             | Ċ          |          | [ S           | i C          | 1                | SR3CS                   | 0.1                     |              |
| I−N∣              |                 | i i                     | ASPHALT 2 SAW CUT AND BREAK MECH  | 27                | FT             | с          | I        | [\$           | C            | İ                | ISR3AS                  | 0.7                     |              |
| I-N]              | <br> AB-M18<br> | i i                     | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 27                | FT             |            |          | 1             | c            | <br>             | <br> C-BC<br> SR4AL<br> | 0.7                     |              |
| I-N <br> <br>     | BH03XH<br> <br> | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 44<br>  33<br>  1 | FT<br>EA<br>TN | C<br>      |          | ] S<br> <br>  | C<br> <br>   | G7453<br> <br>   |                         | 1.8 <br>  1.8 <br>  3.5 |              |
| 1-N[              | 1               | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 44              | FT             | C          | i –      | S             | С            | ľ                |                         | 3.9                     |              |
| <br>I-N+<br>      | SLR-18<br>      | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 1 132<br>1 8      | FT             | i c<br>I   | i<br>  C | S             | C<br>        | 1G7409<br>]      | 3-WF3<br> <br>          | 0.3 <br>                | •            |
| I-N <br> <br>     | 1EB3SL<br> <br> | 249664 <br> 656400      | 1-3 IN EE CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 46<br>  46<br>  1 | FT<br>FT<br>CY | C<br> <br> |          | S             | i c<br> <br> | 3376.1<br> <br>  | 3-WF3<br>               | 0.6 <br> <br>           |              |
| I-N               | LN-S/U          |                         | TC-LANE CLOSURE URBAN STREET  | 1                 | ΕA             |            | 1        | S             | C            | ĺ                | TC3                     | 1.0                     | <u>-</u>     |
| I-N               |                 | i i                     | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1 1               | ÉA             |            | i –      | <br>  S       | i c          | İ                | <br>  TC4<br>           | 1.0                     |              |
| <br>I-N           | <br>  PLANTU    | i i                     | REMOVE/REPLACE LANDSCAPING  | į 10              |                | i c        | i        | <br>  S       | i C          | ſ                | 3-WF3                   | 1.0                     |              |
| ĺ<br>I−NI<br>I    |                 | i i                     | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX                                 | i 1               | FT             |            | i –      |               | C            | 1                | <br>  TC4<br>           | 1 0.1                   |              |

1

| DP001EM2-LC           |     | 001      |            |         |         |        | - DESIGN | ) GAS AND<br>N REVIEW | COPY   | - DET |    |       |       |          |                   |                            |          | E       | AGE NO   | 459   |
|-----------------------|-----|----------|------------|---------|---------|--------|----------|-----------------------|--------|-------|----|-------|-------|----------|-------------------|----------------------------|----------|---------|----------|-------|
| PROJECT: 25           |     |          |            | TYPE    |         |        | ROLANDO  | ) BLK 7G2             | 2 - 16 | с јов | 1  |       |       |          |                   |                            |          |         | R: 2960  | 700   |
| DESIGN: 01            | NAM | E: ROLAN | DO BLK 7G2 | 2 T&C J | OB L    |        |          | STATU                 | JS: A  | СТ    |    |       |       |          |                   |                            |          |         |          |       |
| LOCATION: 4           |     |          | DISTRICT   |         |         |        |          | 5 BONNER              |        |       |    |       |       | P        | HONE: 9           | 99-99                      | 99       | LOCATIO | ON 407 C | F 587 |
| ]F-C[MU ID            |     | STOCK#   | 1 1        | DESCRIP | TION/CO | ONSTRU | CTION NO | DTES                  | 1      | RQD   | UM | RSP   | RSPIT | RTIT     | CC STAN<br>RT  PA | GE                         | TYPE     | HOURS   |          |       |
| +<br> I-N             |     |          | TRAFFIC    |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
| WORK FAC<br>FUNC CODI |     | 2        | EXIS       | I TAG   | NEW     | TAG    |          |                       |        |       | c  | CONSI | RUCTI | on n     | OTES              |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       | SÉÉ    | SHT 6 |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          | •          |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     | <b>_</b> |            |         | •       |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   | ·                          |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       | ,        |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       | ,   |          |            |         |         |        |          |                       |        |       |    | ••    |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         | <u> </u> |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       |          |                   |                            |          |         |          |       |
|                       |     |          |            |         |         |        |          |                       |        |       |    |       |       | <u>.</u> | · · · · · · · ·   | • • <del>• • • • •</del> • | <u> </u> |         |          |       |

| P001EM2-LC<br>9/05/17 11 | CAL40-00<br>:36  | 01                 | SAN DIEGO GAS AND H<br>DPSS - DESIGN REVIEW CO  | ELECTRIC<br>OPY - DE | :<br>TAI                   | L.           |          |            |             |                |                         |                         | AGE NO 460   |
|--------------------------|------------------|--------------------|---|----------------------|----------------------------|--------------|----------|------------|-------------|----------------|-------------------------|-------------------------|--------------|
| ROJECT: 25               | 3568 .           | JOB:01             | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JÓE             | 31                         |              |          |            | 5           |                |                         |                         | R: 2960700   |
|                          |                  |                    | O BLK 7G2 T&C JOB 1 STATUS  |                      |                            |              |          |            |             |                |                         |                         |              |
| OCATIÓN: 4               | 08 SHE           | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                      |                            |              |          |            | PHO         | NE: 999-99     | 999 3                   | LÓCATIO                 | N 408 OF 587 |
| WRK <br>F-C MU ID        | .<br> AU ID      | <br>  STOCK#       | DESCRIPTION/CONSTRUCTION NOTES  |                      |                            |              |          |            |             | STANDARD       |                         |                         |              |
| I-N                      | 3'HD-A           | I I                | HAND DIG TRENCH 3 FT DEEP AVE   | 33                   | 3   FT                     |              | 1        | S .        | С           | IG7453<br>1    | (3-WF3                  | 12.4                    |              |
| I-NI                     |                  |                    | BACKFILL TRENCH 3 FOOT DEEP   | j 33                 |                            | i c          | 1        | I S        | C I         | 1              | 3-WF3<br> C-BC<br>      | 0.5 <br>  0.5           |              |
| 1<br>1-N1                | 1                |                    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | 1 2                  | 2   TN                     |              | i c<br>I | 1          | C           | G7405<br> <br> | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>0.1 <br>0.1     |              |
| I-N                      | i                |                    | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 1 33                 |                            | Ì            | i<br>I C |            | i C<br>I    | 3373.1 ·       |                         | [ 0.5]<br>[ ]           |              |
| I-N[<br>[                | R-XCES           | i i                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 33                 |                            | i c.<br>I    | i –      | S          | C           | [              |                         | 0.8                     |              |
| I-Nİ                     |                  |                    | CONCRETE 2 SAW CUT AND BREAK MECH   | 1 33                 |                            | ίC           | •        | S<br>      |             | 1              | SR3AS                   | 1.3                     |              |
| I-N                      |                  |                    | FINISH CONCRETE SURFACE MAN 12 IN   | j 33                 | 3 FI                       | 1 C          | i        |            | i c         | 1              | ISR3CS                  | 0.1                     |              |
| I <b>-N</b> ]<br>]       | 1                | <br> X20201        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       |                      | 2   FT<br>9   EA<br>L   TN | i c<br>1     |          | I S        | C<br> <br>  | G7453<br> <br> | C-BC<br> C-BH<br> 3SWF4 | 0.5 <br>  0.5 <br>  1.0 |              |
| I-N                      | i i              | <br> X30007        | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                      | 2 FT<br>B CY               | <br>   C<br> | ]<br>1 C | 1 S<br>1   | <br>  C<br> | Ì              | <br> C-DT<br>           |                         |              |
| I-N                      |                  | <br> 656400        | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 31                   | 5   FT                     | i c<br>I     |          | S          | E.          | G7409<br>      |                         | 0.1                     |              |
| I-N <br> <br>            | 1EB3\$L<br> <br> | 249664 <br> 656400 | 1-3 IN EE CONDUIT SLÜRRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND |                      | 4   FT<br>4   FT<br>1   CY |              | C<br>  C | S<br> <br> | C<br> <br>  | 1              | 3-WF3<br> <br>          | 0.6                     | <b>`</b>     |
| I-NI                     | LN-S/U           |                    | TC-LANE CLOSURE URBAN STREET  | i :                  |                            | i c          | •        | l<br>I S   | i c         | i              | TC3                     | 1.0                     |              |
| 1-N]                     | <br> ln/s/s      | i i                | LANE CLOSURE URBAN ST (STREET REPAIR)   | i :                  |                            | i c          |          | s          |             | i              | ]<br>]TC4               | 1.0                     |              |
| 1<br>1-N                 | <br>  PLANTU     |                    | REMOVE/REPLACE LANDSCAPING  |                      | <br>D FI                   |              |          | <br>  S    |             |                | <br> 3-WF3              | 1.0                     |              |
| WORK FAC<br>FUNC CODE    |                  |                    | EXIST TAG NEW TAG   |                      |                            | CONS         | TRÚC     | TION       | NOT         | EŞ             |                         |                         |              |
|                          |                  |                    | S   | EE SHT               | б                          |              |          |            |             |                |                         |                         | 、<br>        |

| BOJECT: 25        | 3568            | TOB:01           | REV.O TYPE. IN NAME. ROLANDO BLK 7G   | 2 -T&C JOB        | 1                  |            |              |         |            | STATIIS · AC         | ວກ ພວງ                  | K ORDE            | 8- 2960700  |
|-------------------|-----------------|------------------|---|-------------------|--------------------|------------|--------------|---------|------------|----------------------|-------------------------|-------------------|-------------|
| DESIGN: 01        | NAME            |                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G<br>0 BLK 7G2 T&C JOB 1 STATI                            | JS: ACT           |                    |            |              |         |            |                      |                         |                   |             |
|                   |                 |                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |            |              |         | PHO        | NE: 999-99           | 999 1                   | OCATIO            | N 409 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID      | <br> \$TOCK#;    | DESCRIPTION/CONSTRUCTION NOTES  | I QTY<br>I RQD    | <br>  UM           | WRK<br>RSP | (MAT<br> RSP | TIM     | ACC<br>TRT | STANDARD<br>  PAGE   | I CREW                  | EST  <br>  HOURS  |             |
| I-N[              | [3'HD-A         | I I              | HAND DIG TRENCH 3 FT DEEP AVE   | 17                | FT                 | I C        | 1            | SI      | С          | G7453                | 13-WF3                  | 6.6               |             |
| I-N               |                 | i i              | BACKFILL TRENCH 3 FOOT DEEP   | 17                | FT                 | C          | 1            | S       | С          | Ì                    | 3-WF3<br> C-BC          | 0.3               |             |
| I-N               | 1               | <br> 611492 <br> | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | i 1               | TN                 | C<br>      | <br>  Ċ      | S       |            | G7405<br> <br>       | C-BH<br>  C-DT          | 0.1               |             |
| 1                 | 1               | 249664           | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 17                | FT                 | l          | <br>  c      |         | C I        | 3373.1<br>           | 1                       | 0.3               |             |
| I-N               | ] R-XCES<br>1   | X30007           | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 17<br>  2         | CY                 | i c<br>I   | <br>  c      |         | C          | 1                    | <br> C-DT<br>           | 0.4               |             |
| I-N               | J PLANTU        |                  | REMOVE/REPLACE LANDSCAPING  | 12                |                    | i c        | i –          | s       | ic         | 1                    | 3-WF3                   | 1.2               |             |
| I-N               | <br> CC-2CT     | i i              | CONCRETE 2 SAW CUT AND BREAK MECH   |                   | FT                 | i c        | i –          | 5       | iα         | i                    | <br>  SR3AS<br>         | 0.21              |             |
| I-N               | <br> CF-H12     | i i              | FINISH CONCRETE SURFACE MAN 12 IN   |                   |                    |            | i            | S       | c          | Î.                   | [SR3CS                  | i i               |             |
|                   | <br> AS-2CT<br> | i i              | ASPHALT 2 SAW CUT AND BREAK MECH  | 27                | FT                 |            | i –          | S       | i c        | i                    | <br> SR3AS<br>          | 0.7               |             |
| I-N               | AB-M1 8<br>     | i i              | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 27<br>  3         | FT<br>  TN         | I C<br>I   | i<br>I C     | S       | i c        | Ì                    | IC-BC<br>SR4AL          | 0.71              |             |
|                   | BH03XH<br> <br> | <br> X20201      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 47<br>  36<br>  1 | FT<br>  EA<br>  TN | C<br> <br> |              | S  <br> | Ç<br> <br> | G7453<br> <br>       | C-BC<br> C-BH<br> 3SWF4 | 1.9<br>1.9<br>3.8 |             |
| I-N]              | ]REM-3'         | <br> X30007      | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 47<br>  12        | CY                 | i c<br>I   | C            | S       | с          | 1                    | <br> C-DT<br>           | 4.1               |             |
| •                 | SLR-18<br>      |                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 141<br>  8        | (CY                | i c<br>I   | C            | S       | i c        | <br> G7409<br>       | 1                       | 0.3               |             |
| I-N               | <br> 1eb3sl<br> | <br> 249664      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 46<br>  1         | FT<br>FT<br>CY     | C<br> <br> |              | S       | i c        | <br> 3376.1<br> <br> |                         |                   | · · · · ·   |
|                   | lLN-S/U         |                  | TC-LANE CLOSURE URBAN STREET  |                   | <br> EA            | <br>  C    | 1            | S       | c          |                      | 17C3                    |                   |             |
| I-N               | [<br> LN/S/S    | 1                | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                 |                    |            |              | s       |            | Ì                    | <br> TC4                | 1.0               |             |
| I-N               |                 | i i              | REMOVE/REPLACE LANDSCAPING  | 1 10              |                    | i c        | i.           | S       | С          | ŀ                    | 1<br> 3-WF3             | 1.01              |             |
|                   | <br>  X፤ŃG-U    |                  | TC-TRAFFIC CONDITIONS STREET CROSSINGS  |                   | <br> FT            | <br>  C    | •            | S       |            |                      | <br>  TC4               |                   |             |

| DP001EM2-LOCAL40-001<br>09/05/17 11:36 | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP | LECTRIC PAGE NO 462<br>PY - DETAIL  |
|--|--|---|
| PROJECT: 253568 JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T          | T&C JOB 1 STATUS: ACT WORK ORDER: 2960700   |
| DESIGN: 01 NAME: ROLAN                 | IDO BLK 7G2 T&C JOB 1 STATUS:                    | ACT   |
| LOCATION: 409 SHEET: 02                | DISTRICT: CM DESIGNED BY: GEORGE BONNER          | PHONE: 999-9999 LOCATION 409 OF 587   |
| WRK      <br> F-C MU ID  AU ID  STOCK  |  | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TT1TT1 PAGE  TYPE  HOURS |
|  | ASPHALT, COLD MIX                                | 1   TN    C   1   1   1   1   1   1   1   1   |
| 1-N   XING/S                           | TRAFFIC COND. (XING LANE) STREET REPAIR          | 1 FT  C   [S   C    TC4   0.1   |
| WORK FAC<br>FUNC CODE DESC             | EXIST TAG NEW TAG                                | CONSTRUCTION NOTES  |
|  | SEE  | E SHT 10  |
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| ROJE                 | ECT: 253          | 568 .  | JOB:01                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                 | 1                          |             |                 |               | !             | STATUS: AC      | T WO                      | RK ORDE                    | R: 2960700  |
|----------------------|-------------------|--------|----------------------------|--|-------------------------|----------------------------|-------------|-----------------|---------------|---------------|-----------------|---------------------------|----------------------------|-------------|
| ESIG                 | GN: 01            | NAME   | ROLANI                     | N BLK 7G2 T&C JOB 1 STATUS   |                         |                            |             |                 |               |               |                 |                           |                            |             |
|                      |                   |        |                            | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                         |                            |             |                 |               | PHO           | NE: 999-99      | 99 1                      | LOCATIO                    | N 410 OF 58 |
| ŴRK∣<br>F−C∣         | MU ID             | AŬ ID  |                            | DESCRIPTION/CONSTRUCTION NOTES   |                         |                            |             |                 |               |               |                 |                           |                            |             |
| I-N                  | ] [               | 3'HD-A |                            | HAND DIG TRENCH 3 FT DEEP AVE  | 14                      | FT                         | C           | 1               |               | l C           | G7453           | 3-₩F3                     | 5.51                       |             |
| I-N                  |                   |        |                            | BACKFILL TRENCH 3 FOOT DEEP  | <br>  14<br>            | <br> FT<br>                | <br>  C<br> | <br>1<br>       | S             |               | <br> <br>       | <br> 3-WF3<br> C-BC       | 0_2 <br>0_2                |             |
| ]<br>] —N  <br> <br> | 1 1<br>1 1<br>1 1 |        | i i                        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 14<br>  1               | [ FT<br>  TN<br>           | C<br> <br>  | <br>  C         | S  <br>       | 1 C<br>1<br>1 | G7405<br> <br>1 | 3-WF3<br>  C-BH<br>  C-DT | <br>   <br>                |             |
| I-N                  |                   |        | [249664                    | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 14<br>  14              | FT<br>  FT                 |             | с               | S<br>         | C<br> <br>    | 3373.1<br>      | 3-WF3<br>                 | 1                          |             |
| I – N                |                   | R-XCES | 1<br>1<br>1<br>X<br>300071 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 14                      | ]<br>] FT<br>] CY          | C<br>       | с               | S<br>         | Ċ<br>  Ċ      | <br> <br>       | C-DT                      | 0.4                        |             |
| I-N                  |                   | PLANTU | 1 l                        | REMOVE/REPLACE LANDSCAPING   | 14                      | FT                         | C           | [               | [ S           | I C           | 1               | [3-WF3                    | 1.4                        |             |
| I-N                  | i i               |        | i i                        | ASPHALT 2 SAW CUT AND BREAK MECH   | 27                      | FT                         | <br>  C     | i               | I S           | i c           | 1               |                           | 0.7                        |             |
| 1-N                  |                   |        | <br> 114201                | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i 27<br>I 3             | TN                         | i c<br>I    | і<br>1 с        | i s           |               | l.              | C-BC                      | 0.71<br>0.71               |             |
| I-N                  | <br>   <br>       | внозхн | X20201 <br> 114215         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | ) 56<br>  42<br>  1     | FT<br>  EA<br>  TN         | <br>        |                 | ] S<br>]<br>] | C<br> <br>    | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4   | [ 2.2]<br>[ 2.2]<br>  4.5[ |             |
| I-N <br>             | 1 J               | REM-3' | X30007                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 56<br>i 14            | CY                         | i c<br>I    | 1<br>  C        | ]<br>] 5<br>] | C<br>         | İ.              | 1C-DT                     | 4.9 <br>  4.9 <br>         |             |
| I-N                  |                   | SLR-18 | 656400                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 168<br>  10             | ET<br>  CY                 | C<br>       | <br>  C         | S<br>]        | I C<br>I      | G7409           | 13-WF3                    | 0.3 <br>                   |             |
| I-N                  |                   | 1EB3SL | <br> 249664 <br> 656400    |  | <br>  56<br>  56<br>  2 | FT<br>  FT<br>  FT<br>  CY | C<br> <br>  | )<br>1 C<br>1 C | S<br> <br>    | i c<br>I<br>I | 1               | 3-WF3<br> <br>            | 0_8 <br>                   |             |
| I-N                  | t [<br>[ ]        | 1-3sL8 | <br> 321878                | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1 2<br>1 2<br>1 1       | EA<br>  EA<br>  CY         | C<br> <br>  | 1<br>1 C        |               | I C<br>I      | 13373.2         | i                         | 0.1                        |             |
| I-N                  |                   |        |                            | TC-LANE CLOSURE URBAN STREET   |                         | <br>  EA                   | l C         | 1               |               |               | 1               |                           | 1.0                        |             |
| <br>1-N              | i i               |        |                            | LANE CLOSURE URBAN ST (STREET REPAIR)  |                         |                            | c           | 1               | S             |               | 1               | TC4                       | 1.0                        |             |
| ĭ−N                  | i i               |        | i i                        | REMOVE/REPLACE LANDSCAPING   | i 10                    | <br>  FT                   | i c         | 1               | <br>  \$      | I C           | 1               | 3-WF3                     | 1.0                        |             |
| I-N                  |                   | XING-U |                            | TC-TRAFFIC CONDITIONS STREET CROSSINGS   | 1                       | [                          |             | 1               | 1             |               |                 |                           | ! 1                        |             |

| 09/05/17 11:36 DPSS   | SAN DIEGO GAS AND ELE<br>- DESIGN REVIEW COPY |                  |   | PAGE NO 464         |
|---|---|------------------|---|---------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME                  | : ROLANDO BLK 7G2 -T&                         | C JOB 1          |   | WORK ORDER: 2960700 |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1                  | STATUS: A                                     | CT               |   |                     |
|   | Y: GEORGE BONNER                              |                  |   | LOCATION 410 OF 587 |
| WRK       <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CONSTR | UCTION NOTES                                  | QTY     WRK[MAT] | TIM ACC STANDARD  C<br>TRT TRT  PAGE  T | REW   EST           |
| +++   |   | lINI ICI         |   | <del></del>         |
| <br> I-N   XING/S    TRAFFIC COND. (XING LANE               | ) STREET REPAIR                               | 1 FT  C          |   | °C4   0.1[          |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG                | CEE   | CONSTRUCT        | ION NOTES                               |                     |
|   | 5££<br>                                       |                  | <b>-</b>                                |                     |
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| SIGN: 01<br>CATION: 4 |                 |                                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -7  | &C 105                              | T  |            |                        |                 |               | SIAIUS: AC           | I WOF            | ut onde                 | R: 2960700  |
|-----------------------|-----------------|-------------------------------------|--|-------------------------------------|--|------------|------------------------|-----------------|---------------|----------------------|------------------|-------------------------|-------------|
| CATION: 4             |                 |                                     | O BLK 7G2 T&C JOB 1 STATUS:  |                                     |  |            |                        |                 |               |                      |                  |                         |             |
|                       | 11 SHEE         | ET: 01                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                     |  |            |                        |                 | PHO           | NE: 999-99           | 199 I            | LOCATIO                 | N 411 OF 58 |
| RK <br>`-C MU ID      | 1               | F                                   |  | QTY<br>  RQD                        | ]<br>  UM [                                | WRK<br>RSP | MAT<br>RSP             | I TIM           | ACC<br>  TRT  | STANDARD<br>PAGE     | ICREW  <br>ITYPE | EST (<br>HOURS)         |             |
| -N                    | AS-2CT          | <br>                                | ASPHALT 2 SAW CUT AND BREAK MECH   | 354                                 | FT   | С          | l                      | S               | I C I         |                      | SR3AS            | 9.2                     |             |
| -N                    | AB−M24<br>      | İ I                                 | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | 1 354<br>1 14                       | FT   | С          | с                      | IS              | ( C<br>(      | I<br>I               | 1                | 9.61<br>[               |             |
| -N [<br>[             | BH04XH<br> <br> | <br> X20201 <br> 114215             | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX        | 1 354<br>1 354<br>1 4               | EA  <br>  TN                               | -          |                        | ]<br>]          | C  <br> <br>  | G7453                | C-BH  <br> 3SWF4 | 17.71<br>17.71<br>35.41 |             |
| -N 1                  | REM-4 '         | <br>   <br> X30007                  | TRENCH SPOIL 4 FT DEPTH  | 1<br>  354<br>  121                 | FT   | С          |                        | 15              |               |                      | <br> C~DT  <br>  | 42.5                    |             |
| -N                    | SLR-24          | i i                                 | BACKFILL SLURRY Z4 IN WIDE X 1Z IN DEEP  | <br> <br>  1064<br>  79             | 11   | C .        |                        | 1 8             |               | G7409                |                  | 3.2                     |             |
| -N <br> <br>          | 1EB3IN          | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH | 284<br>  5<br>  284<br>  48<br>  48 | FT  <br>  CY  <br>[ FT  <br>[ EA  <br>  EA | с          | C<br>  C<br>  C<br>  C | S<br> <br> <br> | C<br> <br>    | 3376.1<br> <br> <br> |                  | 4.0                     |             |
| -N  <br>              | 1-3SLS<br>      | [<br> 322144 <br> 656400            | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R               | 8<br>  8<br>  2                     | EA<br>EA<br>CY                             | ¢          | C<br>C                 | S<br> <br>      | i c<br> <br>  | 3373.2               | 3-WF3 <br> <br>  | 1.3                     |             |
| -N <br>1              | XING-U<br>      | [ ]                                 | ASPHALT, COLD MIX  |                                     | FT  <br>  TN                               |            | i<br>I C               | S               | <br>  C<br>   |                      | <br> TC4  <br>   | 0.1                     |             |
| -N1                   |                 | i i                                 | TRAFFIC COND. (XING LANE) STREET REPAIR  | 1                                   | [ FT                                       | с          | I                      | S               | i c           | l                    | TC4              | 0.1                     |             |
| -N                    | LN-S/U          | i i                                 | TC-LANE CLOSURE URBAN STREET   | 1                                   | EA   | С          | Ì                      |                 | I C           | 1                    | TC3              | 1.0                     |             |
| -N                    | LN/S/S          | i i                                 | LANE CLOSURE URBAN ST (STREET REPAIR)  | į 1                                 | EA   | с          | Ì                      |                 | <br>  C       |                      | TC4              | 1.0                     |             |
| -N                    | <br>  PLANTU    | i i                                 | REMOVE/REPLACE LANDSCAPING   | ; 10                                | FT   | с          | Ì                      | ]<br>] S        |               |                      | <br> 3-WF3       | 1.0                     |             |
| -N                    |                 | I I                                 | SAW CUT CONCRETE   | i 10                                | FT   | -          | ĺ                      | 5               | [ C           |                      | <br> SR-3C       | 1.5                     |             |
| - <b>N</b>  <br>      |                 | i i                                 |  |                                     | EA   |            |                        | i S             | <br>  C  <br> | t                    | <br> SR3CS <br>  | 1.01                    |             |
| ORK FAC<br>UNC CODE   |                 |                                     | EXIST TAG NEW TAG  |                                     | <br>c                                      | CONST      | FRUC:                  | FION            | NOTI          | <br>SS               |                  |                         |             |

| ROJECT:              | 253568 J           | OB:01             | REV:0 TYPE: UD  | NAME: ROLANDO BLK 7G2           | -TêC JOB          | 1                     |              |                |            | 5             | STATUS: AC        | T WOI                    | RK ORDE                 | R: 2960700   |
|----------------------|--------------------|-------------------|---|---------------------------------|-------------------|-----------------------|--------------|----------------|------------|---------------|-------------------|--------------------------|-------------------------|--------------|
| ESIGN: 0             | 1 NAME:            | ROLAND            | ) BLK 7G2 T&C JOB 1   | STATUS                          | : ACT             |                       |              |                |            |               |                   |                          |                         |              |
|                      |                    |                   | DISTRICT: CM DESIG  | NED BY: GEORGE BONNER           |                   |                       |              |                |            | PHON          | VE: 999-99        | 99 1                     | LOCATIO                 | N 412 OF 587 |
| F-CIMU I             | <br>D  AU ID       | STOCK#!           | DESCRIPTION/C   | CONSTRUCTION NOTES              | RQD               | UM                    | RSP          | RSP            | TRT        | TRT           | STANDARD<br>PAGE  | TYPE                     | HOURS                   |              |
| <br>J-N              | [3'HD-A]           | 1                 | HAND DIG TRENCH 3   | FT DEEP AVE                     | 50                | [FT]                  | C            | 1              | S          | С             | G7453             | 3-WF3                    | 18.5                    |              |
| <br>I-N <br>         | i i                | İ                 | BACKFILL TRENCH 3 F   | FOOT DEEP                       | i 50              | FT  <br>              | C            |                | S          |               | [                 | 3-WF3<br> C-BC           | [ 0.8]<br>[ 0.8]        | <u> </u>     |
| I-N[<br> <br>        | SHD-12 <br>        | 611492  <br>      | SHADE TRENCH WITH S<br>SAND, FILL RECYC                       |                                 | 1 50<br>1 3<br>1  | FT  <br>  TN          |              | с              | S          | с             | G7405             | [3-WF3<br> C-BH<br> C-DT | 0.2                     |              |
| I-N1                 | 1 1                | i<br>2496641      | 1-3 IN DB CONDUIT S<br>CONDUIT DB 3 IN 2                      | SEC<br>20 FT LENGTH             | 50<br>  50        | FT <br>  FT  <br>  FT | i c i<br>I 1 | С              | S          | C I           | 3373.1            | 3-WF3                    | ļ ļ                     |              |
| I-N <br>             | IR-XCES            | 1                 | EXCESS TRENCH SPOIL<br>DUMPING FEE                            | L (12 IN DEEP)                  | i 50              | FT<br>CY              | i c i        | С              |            | i C<br>i      | <br>              | C-DT                     | ( 1.3)<br>              |              |
| I-NI.                | CC-2CT             | I                 | CONCRETE 2 SAW CUT  | AND BREAK MECH                  | i 50              | FT                    | -  <br>  -   |                |            | ¢             | 1                 | SR3AS                    | 2.0                     |              |
| I-NI                 | 1<br>1CF-H121      |                   | FINISH CONCRETE SUR   | RFACE MAN 12 IN                 | 1 50              | FT                    |              |                | S          |               | 1                 | I SR3CS                  | 0.2                     |              |
| <br>I-N              |                    | i                 | ASPHALT 2 SAW CUT   | AND BREAK MECH                  | i 20              | FT                    | C  <br>      |                | [S         | -             | 1                 | SR3AS                    | 0.5                     |              |
| I-N <br>             |                    | i i               | ASPHALT BASE MECH<br>ASPHALT (BASE)                           | H 18 IN                         | i 20<br>i 3       |                       | C  <br>      | c              |            | i c<br>I      | I                 | C-BC<br> SR4AL           | 0.51                    | <u> </u>     |
| I-N <br>             | BHO3XH<br>I I<br>I | x20201 <br>114215 | MACH DIG TRENCH 3<br>TRAFFIC BEARING S<br>ASPHALT, COLD MIX   | STEEL PLATE                     | 56<br>  42<br>  1 | FT<br>EA<br>TN        | C  <br> <br> | C<br>C         | S<br> <br> | i c<br>I      | G7453<br> <br>    | C-BC<br>  C-BH           | 2.2 <br>  2.2 <br>  4.5 |              |
| I-N[<br>             | REM-3' <br>        | X30007[           | TRENCH SPOIL 3 FT<br>DUMPING FEE                              | DEPTH                           | 1 56<br>1 14      | CY                    | i C          | C              | i          | 1 C           | 1                 |                          | 1 4.91<br>1 1           |              |
| <br>I-N <br>         | SLR-18             | 6564001           | SLURRY MIX, 1 SAC   | IN WIDE X 12 IN DEEP<br>CK SAND | i 168<br>  10     |                       | ] C<br>]     | l<br>c         | S          | C<br>         | G7409<br>         | 3-₩F3                    | 0.3                     |              |
| I-N  <br>  I-N  <br> | 1EB3SL <br>[ ]     | 2496641<br>656400 | 1-3 IN EB CONDUIT S<br>CONDUIT DB 3 IN 2<br>SLURRY MIX, 1 SAC | 20 FT LENGTH                    | 47<br>  47<br>  1 | FT                    | C<br> <br>1  | C<br>C         | S          | i C<br>I<br>I | 3376.1<br> <br>   | 3-WF3                    | i I                     |              |
| I – N  <br> <br>     | 1-3SLB <br> <br>   | 322048 <br>656400 | 1-3 IN DB 90 D 36 I<br>BEND CONDUIT DB 3<br>SLURRY MIX, 1 SAC | 3 IN 90 D 36 IN R               |                   | ]EA                   | C<br> <br>   | C<br>  C       | S          |               | (3373.2<br> <br>  | 3-WE3<br> <br> <br>      |                         |              |
| [<br>] I-N[<br>]     | 1-3sLs <br> <br>   | 3221441           | BEND CONDUIT DB 3<br>SLURRY MIX, 1 SAC                        |                                 | ; 3<br>  3<br>  1 | EA<br> EA<br> CY      | I C<br>I     | <br>  C<br>  C | S<br> <br> | I C           | 13373.2<br>1<br>1 | 1                        |                         |              |
| <br> I-N             |                    | 1                 | TC-LANE CLOSURE URE   | BAN STREET                      |                   | <br> EA               |              | [              |            | l c           |                   | <br>  TC3                |                         | <u> </u>     |

| DP001EM2-LC           |                    |         |              |         |        |         | N DIEGO G<br>DESIGN F |         | COPY -     | DETA           |          |      |       |     |      |           |            | PJ           | AGE NO 467  |
|-----------------------|--------------------|---------|--------------|---------|--------|---------|-----------------------|---------|------------|----------------|----------|------|-------|-----|------|-----------|------------|--------------|-------------|
| ROJECT: 25            | 3568               | JOB:01  |              |         |        |         | RÓLANDO E             | BLK 7G2 | -T&C C     | тов :          | 1        |      |       |     | 5    | TATUS: A  |            |              | R: 2960700  |
| ESIGN: 01             | NAME               | : ROLAN |              | 2 T&C J | ов 1   |         |                       | STATUS  | : ACT      |                |          |      |       |     |      |           |            |              |             |
| OCATION: 4            |                    |         |              | : CM    | DESIG  |         | GEORGE E              |         |            |                |          |      |       |     | PHON | E: 999-9  | 999<br>999 | LOCATIO      | N 412 OF 58 |
| ŴRK∣<br>F-C∣MU ID     | AU ID              | STOCK#  | <br>  1      | DESCRIP | TION/C |         | TION NOTE             | zs      | Q1         | יץ די<br>11 סג | <br>  MU | RSP  | RSPI  | TRT | TRT  |           | TYPE       | HOURS        |             |
| I-N                   | <br>  <br>  LN/S/S | i -     | <br>  LANE C | LOSURE  | URBAN  | ST (STR | eet repai             | [R)     | -<br> <br> |                |          |      |       |     | C    |           | TC4        | 1  <br>1 1.0 |             |
|                       | PLANTU             | ń.      | [ REMOVE,    | /REPLAC |        | SCAPING |                       |         | i          |                |          |      |       |     |      |           |            | 1.01         |             |
| WORK FAC<br>FUNC CODE | ;                  |         |              | T TAG   | NEW    |         |                       |         |            |                | с        | ONST | RUCI  | ION | ŃOTE | :s        |            |              |             |
|                       |                    |         |              |         |        |         |                       | ş       | SEE SHI    |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    | •       |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    | ·       |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      | · · - |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           | _          |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      | · · · · · |            |              | · · · · ·   |
|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
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|                       |                    |         |              |         |        |         |                       |         |            |                |          |      |       |     |      |           |            |              |             |
|                       |                    |         |              |         |        |         | ···_                  |         |            |                |          |      |       |     |      |           |            |              |             |
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|---|--------------------------|---|----------------|--------------------|---------------------------------------|
| PROJECT: 253568 JOB:01                  | REV:0 TYPE: UD NAME:     | ROLANDO BLK 7G2 -T&                       | C JOB 1        | STATUS: ACT        | WORK ORDER: 2960700                   |
| DESIGN: 01 NAME: ROLANDO                | D BLK 7G2 T&C JOB 1      | STATUS: A                                 | ACT            |                    | · · · · · · · · · · · · · · · · · · · |
| LOCATION: 413 SHEET: 01 D               |                          | GEORGE BONNER                             |                | PHONE: 999-9999    | LOCATION 413 OF 587                   |
| WRK       <br> F-C[MU ID  AU ID  STOCK# | -                        | TION NOTES                                | OTY    WRK MAI | TIM ACC STANDARD C | REW   EST  <br>YPE [HOURS]            |
| 1                                       | NO DESIGN UNITS FOR THIS |   |                |                    |                                       |
| WORK FAC<br>FUNC CODE DESC              | EXIST TAG NEW TAG        |   |                | CTION NOTES        |                                       |
|   |                          |   | SHT 2          |                    |                                       |
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|   |                          | <u> </u>                                  | , <u>.</u> ,   | ·                  |                                       |
|   |                          |   |                |                    |                                       |
|   |                          |   |                | <u>.</u>           |                                       |
|   |                          |   |                |                    |                                       |
|   |                          |   | . <u></u>      | <u> </u>           |                                       |
|   |                          |   |                | ·                  |                                       |

|           |                              |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |                     |                    |              |        |            |            | STATUS: AC      |                           |                     | R: 2960700  |
|-----------|------------------------------|-------------------------|--|---------------------|--------------------|--------------|--------|------------|------------|-----------------|---------------------------|---------------------|-------------|
|           |                              |                         | DO BLK 7G2 T&C JOB 1 STATUS  |                     |                    |              |        |            |            |                 |                           |                     |             |
| CATION: 4 | 14 SHE                       | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                    |              |        |            | PHO        | NE: 999-99      | 99 1                      | LOCATION            | N 414 OF 58 |
| -C MU ID  | AU ID                        | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | i RQD II            | UM                 | RSP          | RSP    | TRT        | TRT        | STANDARD        | TYPE                      | HOURS               |             |
| -N        | 3'HD-A                       | ļ                       | HAND DIG TRENCH 3 FT DEEP AVE  | 301                 | FT                 | CI           | ĺ      | S          | С          | G7453           | 3-WF3                     | 11.3                |             |
| -N        | BKF-3'                       | i i<br>I i              | BACKFILL TRENCH 3 FOOT DEEP  | 1 301               | FT                 | CI           | Í      | S          | С          | 1               | 3-WF3                     | 0.5                 |             |
| -N        | SHD-12<br> <br>              | [611492 <br>[           | CAND PILL DECKLED MARIE DEPERED  | 30 <br>  2]         | FT  <br>TN  <br>   | C  <br>      | С      | S          | C<br> <br> | G7405<br> <br>  | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>0.1 <br>0.1 |             |
| 1         | <br> 1DB3 <del>-</del> S<br> | 1  <br>1                | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 30 <br>  30         | FT <br>FT          |              | c      | [          | c          | 3373.1          | í                         | 0.5                 |             |
| -N        | R-XCES                       | 1 1                     | ] EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 30  <br>  3         | FT  <br>CY ]       | 1 0<br>1     | c i    | S          | с<br>      | <br>            | IC-DT                     | 0.8                 |             |
| -N        |                              | 1                       | REMOVE/REPLACE LANDSCAPING   | 1 30                | FT[                | c            |        | 5          | ( C        | ĺ               | 13-WF3                    |                     |             |
| -N[<br>[  | BHO3XH<br> <br>              | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX                            | 1 7 <br>1 6 <br>1 1 | FT  <br>EA  <br>TN | сі<br>1      | Ċ<br>C | 5          | C<br> <br> | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4   | 0.3 <br>0.3 <br>0.6 |             |
| -N  <br>  | REM-3 '                      | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>  DUMPING FEE   | 7                   | FT                 | c  <br>      |        | S          | Ċ          | 1               | <br> C-DT<br>             | 0.6                 |             |
| 1         | SLR-18                       | 16564001                | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP  | 2                   | CYI                | с  <br>1     | С      | ]          | i c<br>I   | G7409           |                           |                     |             |
| 1<br>1    | 1                            | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>  CONDUIT DB 3 IN 20 FT LENGTH<br>  SLURRY MIX, 1 SACK SAND                      | 7 <br>  7 <br>  1   | FT  <br>FT  <br>CY | с і<br> <br> | Ċ<br>C | S  <br>    | C<br> <br> | 3376.1<br> <br> | 3-WF3<br> <br>            |                     |             |
| i i       | 1-35L8<br>                   | [321878]                | <br>  1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DB 3 IN 45 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND<br> |                     | EA <br>EA <br>CY   |              | с<br>с | S<br> <br> | i c<br>1   | 3373.2<br> <br> |                           | 0.1                 |             |
| -N        | LN-S/U                       | 1 1                     | <br>  TC-LANE CLOSURE URBAN STREET   | 1                   | ËA                 |              |        | S          | I C        | 1               |                           | 1.0                 |             |
| -N]       |                              | i i                     | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                   | EA                 |              |        | S          | i C        | i               | TC4                       | 1.0                 |             |
|           | i<br>PLANTU                  |                         | <br>  REMOVE/REPLACE LANDSCAPING   | <br>  10 :          |                    | c            |        | <br>  S    |            | ]               | <br> 3-WF3                |                     |             |

| /05/17 11       |              |            | BEN-0            | TVDC.    |       | NAME -  | ROLANDO | BLK 7G2 |            |            |                                       |                     |       |                                       | TATUS: A         |                 | K ORDF        | R: 2960700  |
|-----------------|--------------|------------|------------------|----------|-------|---------|---------|---------|------------|------------|---------------------------------------|---------------------|-------|---------------------------------------|------------------|-----------------|---------------|-------------|
|                 |              |            |                  |          |       |         |         |         |            |            |                                       |                     |       |                                       |                  |                 |               |             |
| SIGN: 01        |              |            |                  |          |       |         |         | STATUS  |            |            |                                       |                     |       |                                       |                  |                 |               |             |
| CATION: 4       |              |            |                  |          |       |         |         | BONNER  |            |            |                                       |                     |       | PHON                                  | IE: 999-9        | 999 1           | LOCATIC       | N 415 OF 58 |
| RK <br>-CIMU ID | AU ID        | STOCK#     | 1                | DESCRIPT | ION/C | ONSTRUC | TION NO | TES     | I RQD      | UM         | RS₽                                   | RSP                 | TRT [ | TRT                                   | STANDARD<br>PAGE | TYPE            | HOURS         |             |
| -N [<br>.[      | 1330926<br>1 | <br>162690 | HAND HO<br>QUAZ  | DLE 3309 | .2 37 | "X 26"  | X 26"   |         | [ ]<br>[ ] | ÊA <br> EA | С                                     | <br>  c             | S I   |                                       | 3309.2           |                 | ) 0.8[<br>] ( |             |
| -N I            | X09H26 <br>  | 162690     | INSTAL<br>QUAZ   |          |       |         |         |         | i 1<br>1 1 | EA         | C                                     |                     | S     | C ]                                   |                  | 3swf3<br>       | 0.81          |             |
|                 | i i          | 3220481    | 1-3 IN<br>BEND   | CONDUIT  | DB 3  | IN 90   | D 36 IN |         |            | EA]        | С                                     | I C I               | S     | C                                     | 3373.2           | 1               | 0.1           |             |
| i               | [            | i i        | SLURI<br>REMOVE, | -        |       |         |         |         | i.         |            | ;                                     | 1 C I<br>1 I<br>1 I |       |                                       |                  | <br> <br> 3-WF3 |               |             |
|                 |              |            | CALD.            | 1 14/2   | NEW   | TAG     |         |         |            |            |                                       |                     |       |                                       | s                |                 |               |             |
|                 |              |            | EAID             | 1 149    | NEW   | TAG     |         |         | EE SHT 1   | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         | S       |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          | NEW   | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         | -                                     |                     |       | · · · · · · · · · · · · · · · · · · · |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       | · · · · · · · · · · · · · · · · · · · |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       | · · · · · · · · · · · · · · · · · · · |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         | · · · · · · · · · · · · · · · · · · · |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |
|                 |              |            |                  |          |       | TAG     |         |         |            | .0         |                                       |                     |       |                                       |                  |                 |               |             |

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| LESIGN: 01         NAME: ROLANDO BLK 762 TEC JOB 1         STATUS: ACT           JOCATION: 416 SHEET: 01         DISTRICT: CK         DESIGNED BY: GEORGE BONNER         PHONE: 999-9999         LOCATION 416 OF           VERKING         I         I         I         I         I         I         I           VERKING         I         I         SEGRIPTION/CONSTRUCTION NOTES         I         CT         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATI TIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ELEST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDER)         I VERKINATITIRI DAGE ISTANDARD (SEGN EST ENDES   |                            |                           |   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  |                                   |                                  |                 |                |             |            | STATUS: AC           | T WO                    | RK ORDER                         | 2960700    |
|---|----------------------------|---------------------------|---|---|-----------------------------------|----------------------------------|-----------------|----------------|-------------|------------|----------------------|-------------------------|----------------------------------|------------|
| NRK          OTY         INRK (MAT) TIM ACC (STANDAD)         CECRF         EST           F-C MU ID AU ID [STOCKH         DESCRIPTION/CONSTRUCTION NOTES         RQD UMIRSPIRSPITATIENT ACC (STANDAD)         CECRF         EST           I-N         IAS-CZI         ASPHALT 2 SAW CUT AND BREAK MECH         30 (FT C   S   C   SRASS]         0.8           I-N         IAS-CZI         ASPHALT BASE 4 TOP MECH 18 IN         30 (FT C   S   C   IC-BC   2.0           IASULT (RASE)         ASPHALT (BASE)         TRAFFIC BERAND SHALT (PER SF)         30 (SFT C   S   C   IC-BC   1.2           I14201         ASPHALT (TOP)         11TN1   C           ISS-3A   2.0         ISS-3A   2.0           I14201         ASPHALT (TOP)         11TN1   C           ISS-3A   2.0         ISS-3A   2.0           I14201         ASPHALT (TOP)         11TN1   C           ISS-3A   2.0         ISS-3A   2.0           I-N         SHO3XH         MACH DIG TRENCH 3 FT DEEP BACKHOE         30 (FT C   S   C   G7453   C-BC   1.2         ISS-3A   2.0           I-N         ISB-3H         MACH DIG TRENCH 3 FT DEEP BACKHOE         30 (FT C   S   C   G7459   3-WF3   0.2         ISSWF4   2.4           I-N         ISB-3H         MACKFILL SURRY TRUE NUED X 12 IN DEEP         90 (FT C   S   C   376.1   3-WF3   0.2         ISSWF4   2.4           I-N         ISB-10 B 2C/S D 2F TR SURNEL MAX  |                            |                           |   |   |                                   |                                  |                 | ·              |             |            |                      |                         |                                  |            |
| F-C IMU ID IAD ID STOCK#I       DESCRIPTION/CONSTRUCTION NOTES       RQD       URINESPACE       TTYPE       HOURS         I-N       AS-2CT       ASPHALT 2 SAW CUT AND BREAK MECH       30 FT C       ISIC       ISIC       ISRASS       0.8         I-N       AS-MIB       ASPHALT DASE 4 TOP MECH 18 IN       30 FT C       ISIC       I  | OCATION: 4                 | 16 SHEI                   | ET: 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                                   |                                  |                 |                |             | PHOI       | NE: 999-99           | 99                      | LOCATION                         | 1 416 OF 5 |
| I-N       AS-2CT       ASPHALT 2 SAW CUT AND BREAK MECH       30(FT) C       S C       SA3AS       0.8         I-N       AS-MB8       ASPHALT BASE 4 TOP MECH 18 IN       30(FT) C       S C       C-BC       2.0         I-N       AS-M202(       GRIND ASPHALT (PER SF)       30(FT) C       S C       C-BC       2.0         I14201       ASPHALT (BASE)       31(T)       C I       S C       C-BC       2.0         I-N       ASPHALT (BASE)       ASPHALT (PER SF)       30(FT) C I       S C I       C-BC       2.0         I-N       MACH DIG TRENCH 3 FT DEEP BACKHOE       30(FT) C I       S C I       G7453       C-BC I       1.2         I-N       MACH DIG TRENCH 3 FT DEEP BACKHOE       30(FT) C I       S C I       G7453       C-BC I       1.2         I-N       IARCH JI TRENCH SPOLL 3 FT DEEPH       JOIFT C I       S C I       G7453       C-BH I       1.2         I-N       REM-3'       TRENCH SPOLL 3 FT DEEPH       30(FT) C I       S C I       G7409       3-WF3       0.2         I-N       ISLR-19       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90(FT) C I       S C I       G7409       3-WF3       0.2         I-N       ISLR-19       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP </td <td></td> <td></td> <td></td> <td>DESCRIPTION/CONSTRUCTION NOTES</td> <td>  QTY<br/>  RQD</td> <td> <br/>  UM  </td> <td>WRK<br/>RSP</td> <td>  MAT  <br/>  RSP  </td> <td>TIM <br/>TRT </td> <td>ACC<br/>TRT</td> <td> STANDARD<br/>  PAGE</td> <td> CREW<br/> TYPE</td> <td>  EST  <br/> HOURS </td> <td></td>   |                            |                           |   | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD                      | <br>  UM                         | WRK<br>RSP      | MAT  <br>  RSP | TIM <br>TRT | ACC<br>TRT | STANDARD<br>  PAGE   | CREW<br> TYPE           | EST  <br> HOURS                  |            |
| I-N       AS-M18       ASPHALT BASE 4 TOP MECH 18 IN       30 FTI C       S C       C-BC       2.0         1200221       GRIND ASPHALT (PER SF)       30 STI C       S C       ISR-3A       2.0         114201       ASPHALT (TOP)       31 TM C       S C       ISR-3A       2.0         114202       ASPHALT (TOP)       1 TM C       S C       ISR-3A       2.0         I-N       BH03KH       MACK DIG TRENCH 3 FT DEEP BACKHOE       30 FTI C       S C       C 67453       IC-BC       1.2         I-N       BH03KH       MACK DIG TRENCH 3 FT DEEP BACKHOE       30 FTI C       S C       C 67453       IC-BC       1.2         I114215       ASPHALT, COLD MIX       11TM I       C       ISK-18       IC-BC       1.2         I-N       KEM-3'       TRENCH SFOIL 3 FT DEPTH       30 FTI C       S C       C 7409       3-WF3       0.2         I-N       SLR-18       BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FTI C       S C       C 7409       3-WF3       0.4         I-N       SLR-18       BACKTURX MIX, I SACK SAND       1C C       S C       C 7409       3-WF3       0.4         I-N       1249201       CONCRETE - 2 SACK (GRAVEL MIX)       1C C       S C   | I-N                        | AS-2CT                    | 1   |   | 1 30                              | $  FT \rangle$                   | С               | [ [            | S           | с          | I                    | ISR3AS                  | 0.8                              |            |
| I-N       BH03XH       MACH DIG TRENCH 3 FT DEEP BACKHOE       30 FT C       S C       G7453       C-BC       1.2         I14215       ASPHALT, COLD MIX       1 ITN       I C       I S C       G7453       C-BC       1.2         I-N       REM-3'       TRENCH SPOIL 3 FT DEPTH       30 FT C       I S C       I C-DT       2.6         I-N       SLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT C       I S C       G7409       3-WF3       0.2         I-N       SLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT C       I S C G7409       3-WF3       0.2         I-N       SLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT C       I S C G7409       3-WF3       0.2         I-N       SLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT C       I S C G7409       3-WF3       0.2         I-N       SLR-18       BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT C       I S C G7409       3-WF3       0.2         I-N       SLR-18       CONDUIT CONC ENC       30 FT I C I S C G376.1       3-WF3       0.4         I-N       LASSIS       I N BS 25.5 D 25 FT R SLURRY ENCASED       61EA I C I S C G3373.2       3-WF3       1.4         I-N       IN-S/U   | I — N  <br> <br> <br>      | AS-M18<br> <br> <br>      | <br> X20022[<br> 114201 <br> 114202[            | GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)   | 30<br>  30<br>  3<br>  1          | FT  <br>  SF  <br>  TN  <br>  TN |                 |                | S           | с          | [<br> <br>           | IC-BC<br>ISR-3A<br>I    | 2.0  <sup>"</sup><br>  2.0 _<br> |            |
| I = 1 x300071       DUMPING FEE       I = 8 [CY]       I = 1       I = 1       I = 1         I = NI       I = 1 S I CY       I = 1       I = 1       I = 1       I = 1       I = 1         I = NI       I = 6564001       SLURRY MIX, I SACK SAND       I = 6[CY]       I = 1       I = 1       I = 1       I = 1         I = 0564001       SLURRY MIX, I SACK SAND       I = 6[CY]       I = 1       I = 1       I = 1       I = 1       I = 1         I = 0564001       SLURRY MIX, I SACK SAND       I = 0       I = 0       I = 1       I =   | L-N <br>                   | 3H03XH<br> <br>           | X20201(<br>114215)                              | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX   | i 30<br>i 23<br>i 1               | FT  <br>  EA ]<br>  TN           |                 |                | S  <br>     | ¢          | G7453<br> <br>       | C-BC<br> C-BH<br> 3SWF4 | 1.2 <br>  1.2 <br>  2.4          |            |
| I-N         SLR-18         BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP       90 FT  C   S   C  G7409        3-WF3  0.2]          G56400        SLURRY MIX, 1 SACK SAND        G CX   C         C         G CX   C         G C  | l                          | 1                         | X30007]   | DUMPING FEE   | 1 30<br>1 8                       | FT <br> CY                       | i c<br>I        |                | S           | с          | t<br>I               | IC-DT                   | 2.61                             |            |
| I-NI       1=B3IN       1-3 IN EB CONDUIT CONC ENC       30 FTI C       S C 3376.1       3-WF3       0.4         I       248201       CONCRETE - 2 SACK (GRAVEL MIX)       1 ICY       C I       I       I       I         I       248201       CONCRETE - 2 SACK (GRAVEL MIX)       1 ICY       I C I       I       I       I         I       249641       CONDUIT DB 3 IN 20 FT LENGTH       30 FTI C I       I       I       I         I       16635281       SPACER INTEMEDIATE 5 IN 2-WAY       6 EAI I C I       I       I       I         I-NI       16635301       1 IN BASE SPACER       6 EAI I C I       I       I       I         I-NI       13221441       BEND CONDUIT DB 3 IN 22.5 D 25 FT R       8 EAI I C I       I       I       I         I-NI       13221441       BEND CONDUIT DB 3 IN 22.5 D 25 FT R       8 EAI I C I       I       I       I         I-NI       10-S/U       TC-LANE CLOSURE URBAN STREET       1 EAI I C I       I       I       I         I-NI       LN/S/S       I LANE CLOSURE URBAN ST (STREET REPAIR)       1 IEAI C I I S I C I       I C I I I       I         I-NI       LN/S/S       I LANE CLOSURE URBAN ST (STREET REPAIR)       1 IEAI C I I S I C I I I IIIIIIIIIIII   | I-N <br>[                  | SLR-18<br>                | 1<br> 656400                                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 1 90<br>1 6                       | FT<br>CY                         | i c             |                | S (         | С          | G7409<br>            | 13-WF3                  | i 0.21<br>I I_                   |            |
| I-NI       1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED       8 EA C I S C 3373.2       3-WF3 1.3         I 322144       BEND CONDUIT DB 3 IN 22.5 D 25 FT R       8 EA C I S C 3373.2       3-WF3 1.3         I 656400       SLURRY MIX, 1 SACK SAND       2 ICY I C I I I I I I I I I I I I I I I I  | I<br>I<br>I<br>I<br>I<br>I | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | <ul> <li>1-3 IN EB CONDUIT CONC ENC<br/>CONCRETE - 2 SACK (GRAVEL MIX)<br/>CONDUIT DB 3 IN 20 FT LENGTH<br/>SPACER INTERMEDIATE 5 IN 2-WAY</li> <li>1 IN BASE SPACER</li> </ul> | i 30<br>1 1<br>1 30<br>1 6<br>1 6 | FT<br>CY<br>FT<br>EA<br>EA       | C<br> <br> <br> |                | S           | с          | 3376.1<br> <br> <br> |                         |                                  |            |
| I-N        ILN-S/U        TC-LANE CLOSURE URBAN STREET       1  EA  C    S   C    TC3   1.0]         I-N        ILN/S/S        ILANE CLOSURE URBAN ST (STREET REPAIR)       1  EA  C    S   C    TC4   1.0]         I-N        ILN/S/S        ILANE CLOSURE URBAN ST (STREET REPAIR)       1  EA  C    S   C    TC4   1.0]         I-N        ILN/S/S        ILANE CLOSURE URBAN ST (STREET REPAIR)       1  EA  C    S   C    TC4   1.0]         I-N        ILNOVE/REPLACE LANDSCAPING       1 0  FT  C    S   C     3-wF3  1.0]         I-N        ING-U        TC-TRAFFIC CONDITIONS STREET CROSSINGS       1  FT  C    S   C     14215         I-N        ILANE CLOSURE URBAN ST (STREET CROSSINGS       1  FT  C    S   C     14215       1  ITC4   0.1]   | I-NI                       | 1-3\$LS<br>               | <br> 322144                                     | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R  | 8<br>  8<br>  2                   | EA<br>EA<br>CY                   | C<br> <br>      |                | SI          | С          | 3373.2<br> <br>      | 1                       | i i<br>I l_                      |            |
| I-N        ILN/S/S        I LANE CLOSURE URBAN ST (STREET REPAIR)       I IEA(CI S C I S C I ITC4 I.0]         I-N        PLANTUI       REMOVE/REPLACE LANDSCAPING       I 0 FT CI S C I S C I I | E−N∣                       | LN-S/U                    | I I   |   | i 1                               | EA                               | C               |                |             | С          | l                    | TC3                     | i 1.01                           |            |
| I-N         PLANTU          REMOVE/REPLACE LANDSCAPING         10 FT C          S C          3-wF3        1.0]   <  | I-N                        | LN/S/S                    | i i   | LANE CLOSURE URBAN ST (STREET REPAIR)   | •                                 |                                  |                 | •              |             |            | l                    | TC4                     | i 1.01                           |            |
| I-N          IXING-U          TC-TRAFFIC CONDITIONS STREET CROSSINGS         1  FT          C         S         C         ITC4         0.1]                               114215          ASPHALT, COLD MIX         [         1  TN)         [         [         1         ]  | L-N                        | PLANTU                    | İ   | REMOVE/REPLACE LANDSCAPING  | 1 10                              |                                  | -               |                | s           | С          | l                    | 3-WF3                   | i 1.0i_                          |            |
|   | E-N                        | XING-U                    | <br> 114215                                     | ASPHALT, COLD MIX   | [ 1                               | FT<br>TN                         | i c             |                |             | •          | l<br>l               | TC4                     | i 0.1j_                          |            |
|   |                            |                           |   |   |                                   |                                  |                 |                |             |            |                      |                         | 0.11                             |            |

| DP001EM2-LOCAL40-001 SAN DIEGO GAS AND EL<br>09/05/17 11:36 DPSS - DESIGN REVIEW COP                        | Y - DETAIL  |
|---|---|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T  | <pre>&amp;C JOB 1 STATUS: ACT WORK ORDER: 2960700</pre>                                       |
| DESIGN- 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: J  |   |
| LOCATION: 417 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER   | PHONE: 999-9999 LOCATION 417 OF 587   |
| WRK       <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CONSTRUCTION NOTES                                     | QTY    WRK!MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS |
| I-N   3421-1    PAD 3421 1-PHASE TRANSFORMER<br>       514240  PAD 1-PHASE XFMR / 3-PHASE F.C. 3421         | 1   EA  C     S   C   3421.1   3-AF4  0.41<br>  1   EA    C   !                               |
| I-NI X-XF1PI PAD PREP 3421 PAD (1-PHASE TRANSFORMER)  | 1 FA C   S C   3SWF3  0.4   |
| I-N   TG-T-W    TRENCH GRD WIRE W/O RODS (TRANS/CAP)<br>       812816  WIRE BARE COPPER #2-7 STR SOFT DRAWN | 1 EA C    S C 4510.1  3SWF3  0.2  |
| 322048  BEND CONDUIT DB 3 IN 90 D 36 IN R   | 5 EA CI SIC 3373.2 3-WF3 0.3  |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG  | CONSTRUCTION NOTES  |
| I PD PAD D218245 SEE  | SHT 10  |
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| 09/05/17 1        | 1:36            |                    | SAN DIEGO GAS À<br>DPSS - DESIGN REVIN   | W COPY - DET    | AI              |             |            |            |             |                 |                         |                   | AGE NO 473   |
|-------------------|-----------------|--------------------|--|-----------------|-----------------|-------------|------------|------------|-------------|-----------------|-------------------------|-------------------|--------------|
| ROJECT: 2         | 53568 3         | JOB:01             | REV:0 TYPE: UD NAME: RÓLANDO BLK   | /G2 -T&C JOB    | 1               |             |            |            |             | STATUS: AC      | т woi                   | RK ORDE           | R: 2960700   |
|                   |                 |                    | 0 BLK 7G2 T&C JOB 1 ST   | ATUS: ACT       |                 |             |            |            |             |                 |                         |                   |              |
| OCATION:          | 418 SHEE        | ET: 01             | DISTRICT: CM DESIGNED BY: GEORGE BONN  | SR              |                 |             |            |            |             | VE: 999-99      |                         |                   | ON 418 OF 58 |
| WRKI<br>F-C MU ID | )<br> AU ID     | <br> STOCK#        | DESCRIPTION/CONSTRUCTION NOTES   | QTY  <br>  RQD  | UM              | WRK<br>RSP  | 100 00     |            | 1700        |                 |                         |                   |              |
| I – N             | 3'ĤD-A          | 1 1                | HAND DIG TRENCH 3 FT DEEP AVE  | 34              | $\mathbf{FT}$   | C           |            | S          | C           | G7453           | 3-WF3                   | 12.7              |              |
| <br>I-N <br>      | BKF-3 '         | i i<br>I I         | BACKFILL TRENCH 3 FOOT DEEP  | [ 34]           | FΤ              | С           |            | [ S        | C           | <br> <br>       | [3-WF3                  | 0.5               |              |
| I-N <br> <br>     |                 |                    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                            | 34              | FT<br>TN        |             | с          | l S        | C<br> <br>  | G7405<br> <br>  | 3-WF3<br> C-BH<br> C-DT | 0.1               |              |
|                   | ſ               |                    | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 34 <br>  34     | FT<br>FT        | C<br>       | c          | S<br>      | I C<br>I    | 3373.1<br>      |                         | 0.5               |              |
| I-N]              | ]R-XCES<br>]    | <br> X30007        | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 34              | FT<br>CY        | C           | с          | S<br>  S   | <br>  C<br> | 1<br>1          | <br> C-DT<br> <br>      | 0.9               |              |
| I-N               | PLANTÚ          |                    | REMOVE/REPLACE LANDSCAPING   | 29              | FΤ              | i c         |            | 5          |             | ĺ               | 3-WF3                   | 2.9               |              |
| I-N               |                 | i i                | CONCRETE 2 SAW CUT AND BREAK MECH  | 5               |                 | EC          |            | I S        | <br>  C     | 1               | <br>  SR3AS             | 0.2               |              |
| I–N I             | <br> CF-H12     | 1 1                | FINISH CONCRETE SURFACE MAN 12 IN  | [ 5]            |                 | ic          |            | • •        | <br>  C     | I               | l<br> SR3CS             | I I               |              |
| <br>I-N           |                 | i i                | ASPHALT 2 SAW CUT AND BREAK MECH   | 20              | FΤ              | C           | l          | s          | <br>  C     | [               | <br> SR3AS              | 0.5               |              |
| Ĕ-N [             |                 | <br> 114201        | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 1 20            | FT              | <br>  U<br> | 1          | i s        |             | 1               | <br> C-BC<br> SR4AL     | [ 0.5]<br>[ 0.5]  |              |
| <br>   <br>       | BH03XH<br> <br> | X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                    | 23 <br>  1      | E I<br>EA<br>TN |             | C<br>C     |            |             | <br> <br>       | IC-BH<br>I3SWF4         | 1.2<br>1.2<br>2.4 |              |
| I-N[<br>          | REM-3 '         | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 30              | CY              | C<br>       | l<br>C     | 5          | ĺ           | l .             | <br> C-DT<br> <br>      | 2.6               |              |
| I – N  <br>[      | SLR-18          | 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEE<br>SLURRY MIX, 1 SACK SAND  | e 1 901<br>1 61 | CY              | i c<br>I    | C          | 1 S<br>1   | i           | G7409<br>       | 3-WF3<br>               | 0.2 <br>          |              |
| I-N <br> <br>     | [1EB3SL         | 249664             | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURPY MIX 1 SECK SAND               | 67              | FT<br>FT        |             | 1          | S<br> <br> | i c         | 3376.1<br> <br> |                         | 0.9               |              |
| I-N               | 1-3SLB          | <br> 322048        | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   |                 | EA<br>CY        | l l         | i c<br>I c | S<br> <br> |             | 13373.2<br>1    |                         | i                 |              |
| I-N               | 1-3SLS          | <br> 3221,44       | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASE<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | D   3           | EA<br>EA        | i c<br>I    | i<br>I C   | S<br>      | 1 C<br>1    | 3373.2<br>      | <br> 3-WF3<br> <br>     | I I               |              |

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| DP001EM2-LO0<br>09/05/17 11 |                  | 01           |            |        |        |       |       |              |  | GAS AN<br>REVIEW |       |              |         | C    |      |      |      |         |        |       |                | PAGE                                  | NO 47   | 4      |
|-----------------------------|------------------|--------------|------------|--------|--------|-------|-------|--------------|--|------------------|-------|--------------|---------|------|------|------|------|---------|--------|-------|----------------|---------------------------------------|---------|--------|
| PROJECT: 253                | 3568             | JOB:01       | REV        | : 0    | TYPE:  | UD    | NAME  | : ROI        | LANDO                                  | BLK 70           | G2 -T | &C JOE       | 1       |      |      |      |      | TATÜS : |        |       | RK OR          | DER: 2                                | 2960700 |        |
| DESIGN: 01                  |                  | ROLANI       | DO BLK     | 7G2 T  | ac Jo  | в1    |       |              |  |                  | TUS:  | ACT          |         |      |      |      |      |         |        |       |                |                                       |         |        |
| LOCATION: 42                | 18 SHEE          | ET: 02       | DISTR      | ICT: C | M      |       | NED B | Y: GE        |  | BONNE            |       |              |         |      |      |      |      | E: 999  |        |       |                | ION 4                                 | 18 OF 5 | 87     |
| WRK <br> F-C MU ID          | l.               | <br>  STOCK# | 1          |        |        | ION/C | ONSTR | UCTIC        | ON NOT                                 | res              |       | QTY<br>  RQD | <br> UM | WRK  | MAT  | TIM  | ACC  | STAND   | ARD    | CREW  | [ EST          | 1<br>SI<br>-+                         |         |        |
| I-N                         | <br>  LN-S/U<br> | Ī            | <br>  TC-1 | lane c | LOSUR  | e urb | an st | REET         |  |                  |       |              | <br> EA | i c  |      | S    | C    |         | [      | TC3   | 1<br>  1. <br> |                                       |         | _      |
| I-N                         | LN/S/S           | l            | i lani     | 3 CLOS | SURE U | RBAN  | ST (S | TREET        | I REPA                                 | AIR)             |       |              |         | I C  |      |      | C 1  |         | 1<br>1 |       | 1.             |                                       |         |        |
|                             | PLANTU           | ,            | REM        | OVE/RE | PLACE  | LAND  | SCAPI | NG           |  |                  |       |              |         | i c  |      |      | C    |         |        | 3-WF3 | 3 1.           | 01                                    |         |        |
| WORK FAC<br>FUNC CODE       |                  |              | E          | XIST I | IAG    | NEW   | TAG   |              |  |                  |       |              | (       | CONS | TRUC | CION | NOTE | S       |        |       |                |                                       |         |        |
|                             |                  |              |            |        |        |       |       |              |  |                  |       | SHT 1        |         |      |      |      |      |         |        |       |                |                                       |         |        |
|                             |                  |              |            |        |        |       |       |              | ······································ |                  |       |              |         |      |      |      |      |         |        |       |                | · · · · · · · · · · · · · · · · · · · |         |        |
| ·                           |                  |              |            |        |        |       |       |              |  |                  |       |              |         |      |      |      |      |         |        |       |                |                                       |         | _      |
| <del></del>                 |                  |              |            |        |        |       |       |              |  |                  |       |              |         |      |      |      |      |         |        |       |                |                                       |         |        |
|                             | <u>-</u>         |              | -          |        |        |       |       |              |  |                  |       |              |         |      |      |      |      |         |        |       |                |                                       |         | —<br>— |
|                             |                  | <u></u>      |            |        |        |       |       | . <u>.</u> ; |  |                  |       |              |         |      |      |      |      |         |        |       |                |                                       |         |        |
|                             |                  |              |            |        |        |       |       | ·            |  |                  |       |              |         |      |      |      |      |         |        |       |                |                                       |         |        |

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|               | LOCAL40-00<br>11:36 | 01                      | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | LECTRIC<br>PY - DE  | [AI]                 | -           |                 |                   |               |                 |                           | P                       | AGE NO 475   |
|---------------|---------------------|-------------------------|---|---------------------|----------------------|-------------|-----------------|-------------------|---------------|-----------------|---------------------------|-------------------------|--------------|
|               | 253568              |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB             | 1                    |             |                 |                   |               | STATUS: AC      | T WO                      | RK ORDE                 | R: 2960700   |
|               |                     |                         | 0 BLK 7G2 T&C JOB 1 STATUS:   |                     |                      |             |                 |                   |               |                 |                           |                         |              |
|               |                     |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                      |             |                 |                   | PHO           | NE: 999-99      | 99 1                      | LOCATIC                 | N 419 OF 587 |
|               | l<br>D  AU ID       |                         |   | QTY<br>  RQD        | l<br>I UM            | WRK<br> RSP | MAT<br>  RSP    | TIM<br> TRT       | IACC          | STANDARD        | CREW<br> TYPE             | [ EST  <br> HOURS       |              |
| I-N           |                     | <br>                    | HAND DIG TRENCH 3 FT DEEP AVE   | 37                  | FΤ                   | Ċ           |                 | S                 | C             | G7453           | 3-WF3                     | 13.8                    |              |
| I-N           | BKF-3'              | 1 I                     | BACKFILL TRENCH 3 FOOT DEEP   | 37                  | ] FT                 | [ C         |                 | S                 | C             | <br> <br>       | 3-WF3                     | 0.5                     |              |
| I-N <br> <br> | I<br>I              | <br> 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                             | 37<br>  2           | FT<br>  TN<br>       |             | <br>  C<br>     | S<br> <br>        | C<br> <br>    | G7405<br> <br>  | 3-WF3<br>  C-BH<br>  C-DT | 0.1[<br>  0.1 <br>  0.1 |              |
| I-N           | 1                   | <br> 249664             | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | i 37<br>i 37        | FT<br>  FT           | 1           | <br>  C         | \$<br>            | C<br>         | 3373.1          | I                         | 0.61                    |              |
| I-N           | R-XCES              | X30007[                 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 37                | FT<br>  CY           | 1           | i i             | [ S               | <br>  C<br>   | l               | <br> C-DT<br> <br>        | 0.9                     |              |
| I-N           | PLANTU              |                         | REMOVE/REPLACE LANDSCAPING  |                     |                      | i c         |                 |                   |               | 1               | 3-WF3                     | 3.71                    |              |
| I-NI          |                     | I I                     | ASPHALT 2 SAW CUT AND BREAK MECH  | 26                  | FT                   | 1<br>  C    | 1               | 1 5               | [<br>[ C      | t               | I<br>ISR3AS               | 0.71                    |              |
| I-N [         | [                   | <br> 114201             | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | ાં વ                | דד<br>  דאד          | i c         | ]<br>1 C        | ] S<br>1          |               | 1               | ]<br> C-BC<br> SR4AL      | 0.71<br>0.71            |              |
| I-N           | ] BHO3XH<br>]<br>[  | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 36<br>  27<br>  1   | [ FT<br>[ EA<br>  TN |             |                 | S<br> <br>        | C<br> <br>    | G7453<br>]<br>  | C-BH<br> 3SWF4            | 1.4<br>1.4<br>2.9       |              |
| I-N;          | REM-3 '             | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 1 36<br>1 9         | FT<br>CY             | i c<br>I    | 1<br>  C        | ] S<br>]          | I C           |                 | 1<br>1C-DT<br>1           | 3.2                     |              |
| I-NI          | SLR-18<br>          | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 108<br>  7          | CY                   | l C<br>I    | i c             | ] S<br>]          | 1 C<br>1      | G7409<br>       | i                         | 0.2                     |              |
| I-N[<br>[     | l<br>F              | <br> 2496641<br> 656400 |   | 1 82<br>1 82<br>1 2 | FT<br>  FT<br>  CY   | l<br>I      | 1<br>1 C<br>1 C | :<br>  S<br> <br> | i c<br>I<br>I | 3376.1<br> <br> | 1                         | [ 1.1]                  |              |
| I-N]          | i1-3SLB             | 322048                  | BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND  |                     | EA<br>  EA<br>  CY   | C<br> <br>  | 1<br>1 C<br>1 C | S<br> <br>        |               | 3373.2<br>1     | 1                         |                         |              |
| I-N           | i1-3sls<br>I        | <br> 322144 <br> 656400 | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 3<br>  3<br>  1     | EA<br>  EA<br>  CY   | <br>        |                 | S<br> <br>        | <br> <br>     | 3373.2          | I                         |                         |              |
| I-N[          | LN-S/U              |                         | TC-LANE CLOSURE URBAN STREET  | j 1                 | EA                   | i c         | i               | i s               | <br>  C       | 1               | <br> TC3                  | 1.0                     |              |
| [<br>I-N      | <br>  LN/S/S        | • •                     | LANE CLOSURE URBAN ST (STREET REPAIR)   | •                   |                      | <br>  C     |                 | <br>  S           |               |                 | <br> TC4                  |                         |              |

| DP001EM2-LO<br>09/05/17 11 |          |              |          |          |        |         |        | O GAS A  |              |              |           | L              |         |   |                    |          | PÅ                   | AGE NO 476   |
|----------------------------|----------|--------------|----------|----------|--------|---------|--------|----------|--------------|--------------|-----------|----------------|---------|---|--------------------|----------|----------------------|--------------|
| PROJECT: 25                | 3568     | JOB:01       |          | TYPE     | : UD   | NAME:   | ROLAND | O BLK 7  | G2 -T&       | Ç JOB        | 1         |                |         |   | STATUS: 2          | ACT WO   | RK ORDER             | 2960700      |
| DESIGN: 01                 | NAME     | : ROLANI     | O BLK 7G | 2 T&C J  | OB 1   |         |        |          | TUS: A       | СТ           |           |                |         |   |                    |          |                      |              |
| LOCATION: 4                | 19 SHE   | ET: 02       | DISTRICT |          |        | NED BY: | GEORG  | E BONNE  | R            |              |           |                |         | PHO   | NE: 999-           |          |                      | 1 419 OF 587 |
|                            |          | <br>  STOCK# |          | DESCRIP  | TION/C |         |        |          | 1            | OTY          | 1         | WRK []         | (AT   T | MACC  | STANDAR:<br>  PAGE | D   CREW | EST                  |              |
| ll                         | 1        | 1 1          |          | /REPLAC  | E LAND | SCAPINO | ;<br>; |          | <br> <br>    |              |           | ]<br>  C       |         | ;<br>;<br>; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; |                    |          | <br>3  1.0[_         |              |
| WORK FAC<br>FUNC CODE      |          |              | EXIS     | T TAG    | NEW    | TAG     |        |          |              |              |           | CONST          | RUCTI   | ON NOT  | ES                 |          |                      |              |
|                            |          |              | <b>_</b> |          |        |         |        |          | SEÉ          | SHT 1        | .0        |                | <u></u> |   |                    |          |                      |              |
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|                            |          |              |          |          |        |         |        |          |              | <del>.</del> | • • • • • |                |         |   |                    |          |                      | . <u> </u>   |
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| I-N   1DB3-S  [ 1-3 IN DE CONDUIT SEC   60  FT  C   5   C  3373.1  3-WF3  | CATION 420 OF 587<br>EST  <br>OURS <br>22.1 <br>1<br>0.9 <br>0.9 <br>0.9 <br>0.2 |
|---|--|
| LOCATION: 420 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LO         IWRKI       I       I       I       IMAGE INTROPORTION/CONSTRUCTION NOTES       QTY I WRKIMAT ITM ACCISTANDARD CREW       IMAGE INTROPORTION INTROPORTION         IF-CIMU ID AU ID STOCK#1       DESCRIPTION/CONSTRUCTION NOTES       QTY I WRKIMAT ITM ACCISTANDARD CREW       IMAGE INTROPORTION         I-NI       I3'HD-AI       HAND DIG TRENCH 3 FT DEEP AVE       Image Introportion       Image Introportion         I-NI       I3'HD-AI       HAND DIG TRENCH 3 FT DEEP AVE       Image Introportion       Image Introportion         I-NI       ISHD-AI       HAND DIG TRENCH 3 FT DEEP AVE       Image Introportion       Image Introportion         I-NI       ISHD-AI       HAND DIG TRENCH 3 FT DEEP AVE       Image Introportion       Image Introportion         I-NI       ISHD-12I       BACKFILL TRENCH 3 FOOT DEEP       Image Introportion       Image Introportion         I-NI       ISHD-12I       SHADE TRENCH WITH SAND - 12 INCH WIDTH       Image Introportion       Image Introportion       Image Introportion         I-NI       ISHD-12I       SHADE TRENCH WITH SAND - 12 INCH WIDTH       Image Introportion       Image Introportion       Image Introportion         I-NI       Image Introportion       Image Introportion       Image Introportion | EST  <br>OURS <br>22.1 <br>1<br>0.9 <br>0.9 <br>0.2 <br>0.2                      |
| LOCATION: 420       SHEET: 01       DISTRICT: CM       DESIGNED BY: GEORGE BONNER       PHONE: 999-9999       LO         IWRK        I       I       I       I       I       IIII ACC   STANDARD       ICREW       IC   | EST  <br>OURS <br>22.1 <br>1<br>0.9 <br>0.9 <br>0.2                              |
| WRK  <td>OURS  <br/>22.1 <br/>0.9 <br/>0.9 <br/>0.2 <br/>0.2 </td>  | OURS  <br>22.1 <br>0.9 <br>0.9 <br>0.2 <br>0.2                                   |
| I-N        [3'HD-A        HAND DIG TRENCH 3 FT DEEP AVE       60 FT C        S C G7453       [3-WF3]         I       [ <td< td=""><td>22.1 <br/>0.9 <br/>0.9 <br/>0.2 <br/>0.2 </td></td<>  | 22.1 <br>0.9 <br>0.9 <br>0.2 <br>0.2   |
| II-N[       BKF-3'        BACKFILL TRENCH 3 FOOT DEEP       60 FT C        S C        I3-WF3          I       I       I       I       I       I       I       I       I       IC-BC         I       I       I       I       I       I       I       I       I       I       IC-BC         I-N       ISHD-12[       SHADE TRENCH WITH SAND - 12 INCH WIDTH       60 FT C       S C G7405       I3-WF3          I       I       I       I       I       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I         I-N       ISHD-12[       SHADE TRENCH WITH SAND - 12 INCH WIDTH       60 FT C       ISIC IG7405       I3-WF3          I       I       ISHD-12[       SAND, FILL RECYCLED MATLS PREFFERED       I       IC-BH I       IC-BH I         I       I       I       I       I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       IC-DT I       I  | 0.91<br>0.91<br>0.21<br>0.21   |
| I-N         SHD-12!        SHADE TRENCH WITH SAND - 12 INCH WIDTH        60 FT C         S C G7405        3-WF3                           611492        SAND, FILL RECYCLED MATLS PREFFERED        4 TN         C                 C-BH   C-DT   C-DT   C-DT   <   | 0.21   |
| I-N   1DB3-S  [ 1-3 IN DE CONDUIT SEC   60 FT C    S C 3373.1  3-WF3  |  |
| 249664  CONDUIT DB 3 IN 20 FT LENGTH   60 FT    C 1   | 0.9  |
| 1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1     1   | l  |
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| DP001EM2-L0<br>09/05/17 11 | :36          |        |                           |                       | DPSS     | SAN DIEGO<br>- DESIGN | REVIEW C | OPY -      |                   | Ĺ     |         |      |      |                  |           | P/            | AGE NO 478   |
|----------------------------|--------------|--------|---------------------------|-----------------------|----------|-----------------------|----------|------------|-------------------|-------|---------|------|------|------------------|-----------|---------------|--------------|
| PROJECT: 25                | 3568 3       | JOB:01 |                           | TYPE: U               | D NAME   | : ROLANDO             | BLK 7G2  |            | IOB 1             |       |         |      | S    | TATUS: AC        | T WOI     | RK ORDEI      | R: 2960700   |
| DESIGN: 01                 | NAME :       | ROLANI |                           | T&C JOB               | 1        |                       | STATUS   |            | <b>_</b>          |       |         |      |      |                  |           |               |              |
| LOCATION: 4                |              |        |                           |                       |          |                       |          |            |                   |       |         |      | PHON | te: 999-99       | 99 I      | LOCATIO       | N 421 OF 587 |
| WRK <br> F-C MU ID         | AU ID        | STOCK# | I DI                      |                       |          | UCTION NO             | TES      | RÇ         | D UM              | RSP   | RŜP     | TRT  | TRT  | STANDARD<br>PAGE | TYPE      | HOURS         |              |
| E I                        | 1330926<br>1 | 162690 | HAND HO                   | LE 3309.2             | 37"X 26  | " X 26"               |          | i          | 1   EA<br>1   EA  | C     |         | S    | С    | 3309.2           | 3SWF3<br> | 0.81<br>      |              |
| II-N                       | 1            | 162690 | INSTALL<br>  QUAZI        | EXCAVATI<br>TE BOX 37 | ON/REMOV | E                     |          | l<br>I     | 1 JEA             | C<br> | c       | S    | CI   | 3309.2           |           | [ 0.8]<br>[ ] |              |
|                            | 1-3SLB<br>   | 322048 | 1-3 IN ]<br>  BEND (      | CONDUIT I             | B 3 IN 9 | 0 D 36 IN             |          | <br>  <br> | 2 EA<br>2 ÉA      | l Ċ   | <br>  C | S    | C    | 3373.2           | [         | ) 0.1 <br>    |              |
| i i                        |              |        | SLURR]<br> <br>  REMOVE/1 |                       |          |                       |          | 1<br> <br> | 1 CY<br> <br>1 FT | 1     | t I     | [    |      |                  | 1         | · · · · ·     |              |
| WORK FAC                   |              |        |                           |                       |          |                       |          |            |                   |       |         |      |      |                  |           |               |              |
| FUNC CODE                  | DESC         |        | EXIST                     | TAG N                 | iew tag  |                       |          |            |                   | CONS  | TRUC:   | CIÓN | NOTE | is .             |           |               |              |
|                            |              |        |                           |                       |          |                       |          | SEE SH1    | r 10              |       |         |      |      |                  |           |               |              |
|                            |              |        |                           |                       |          | <u>-</u>              |          |            |                   |       |         |      |      |                  |           |               |              |
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|                            |              |        |                           |                       |          |                       |          |            |                   |       |         |      |      |                  |           |               |              |
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|                            |              |        |                           |                       |          |                       |          | <u> </u>   |                   |       |         |      |      | <u></u>          |           |               |              |
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| DP001EM2-LC<br>09/05/17 11                   |              | 01                             |  | SAN DIEGO<br>DPSS - DESIGN :                       |           |                     | FAII                             |      |                     |          |      |            |                      | PA                                 | AGE NO  | 479    |
|--|--------------|--------------------------------|--|--|-----------|---------------------|----------------------------------|------|---------------------|----------|------|------------|----------------------|------------------------------------|---------|--------|
| PROJECT: 25                                  | 3568         | JOB:01                         |  | NAME: ROLANDO                                      |           | &C JOB              | 1                                |      |                     |          | 5    | STATUS: AC | T WO                 | RK ORDER                           | 1: 2960 | )700   |
| DESIGN: 01                                   | NAME         | : ROLAND                       | O BLK 7G2 T&C JOB 1  |  | STATUS: 2 | ACT                 |                                  |      |                     |          |      |            |                      |                                    |         |        |
| LOCATION: 4                                  | 22 SHE       | ET: 01                         | DISTRICT: CM DESI  | GNED BY: GEORGE                                    | BONNER    |                     |                                  |      |                     |          | PHON | iE: 999-99 | 99                   | LOCATION                           | 1 422 0 | )F 587 |
| WRK <br> F-C MU ID                           |              |                                | DESCRIPTION/   | CONSTRUCTION NOT                                   | ES        | ROD                 | UM                               | RSP  | RSP                 | TRT      | TRT  |            | TYPE                 | HOURS                              |         |        |
| I-N  | AS-2CT       | i i                            | ASPHALT 2 SAW CUT  |  |           | 151                 | FT                               | С    | • •                 | S        | С    |            | SR3AS                | 1 3.91                             |         |        |
| I-N  <br>                                    | i            | 114201                         | ASPHALT BASE MEC<br>ASPHALT (BASE)   | TH 18 IN   |           | <br>  151<br>  17   | FT [                             | Ç    | <br>  C             | s  <br>1 | с    |            | C-BC<br> SR4AL       | _<br>  4.1 <br>  4.1 _             |         |        |
| <br>  I-N  <br>                              | BHO3XH<br>   | X20201                         | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI   | STEEL PLATE  |           | 156<br>  117<br>  2 |                                  | _    |                     | Í        | С    | G7453      | [C-BC<br>[C-BH       | 6.2 <br>  6.2 <br>  6.2 <br>  12.5 |         |        |
|  |              |                                | TRENCH SPOIL 3 FT<br>DUMPING FEE   | DEPTH  |           | 1 156<br>1 39       | FT  <br>  FT  <br>  CY [         |      |                     | S  <br>[ | С    |            | C-DT                 | 13.7                               |         |        |
|  |              |                                | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA   |  |           | 1 468<br>1 27       |                                  |      |                     | SI       | с    |            | 13-WF3               | 0.9                                |         |        |
| 1 <b>I - N</b> [<br>] [<br>] [<br>] ]<br>] ] | [<br>[<br>]  | 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACER | CK (GRAVEL MIX)<br>20 FT LENGTH<br>CATE 5 IN 2-WAY |           | i 17                | CY  <br>  FT  <br>  EA  <br>  EA |      | C  <br>  C  <br>  C |          | С    | 3376.1     | 3-WF3<br> <br> <br>  |                                    |         |        |
| <br> I-N <br>   <br>                         | 1            | 322144                         | 1-3 IN DB 22.5 D 2<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA  | 3 IN 22.5 D 25 F                                   |           | 6                   | EA  <br>  EA  <br>  EA  <br>  CY | c    | C<br>C              | i        | с    | 3373.2     | <br> 3-WF3<br>[<br>[ | 1 1.0[<br>1 1.0[<br>1 1            |         |        |
| I-N  | <br> LN-S/U  |                                | TC-LANE CLOSURE UP   | BAN STREET   |           | 1                   | ]<br>]EA                         | с    |                     | S        | с    |            | I<br>I TC3           | 1.0                                |         |        |
| I-N  | <br> LN/S/S  |                                | LANE CLOSURE URBAN   | I ST (STREET REPA                                  | IR)       | 1                   | I EA                             | c    |                     | S        | с    |            | [<br>[TC4            | 1.0                                |         |        |
| <br> I-N                                     | <br>  PLANTU | [  <br>[                       | REMOVE/REPLACE LAN   | DSCAPING   |           | <br>  10            | <br> FT                          | С    |                     | S        | с    |            | [<br> 3-WF3          | 1.0  <u></u>                       |         |        |
| WORK FAC<br>FUNC CODE                        |              |                                | EXIST TAG NEW  |  |           | <b></b>             |                                  | CONS | TRUCT               | TION     | NOTI | <br>IS     |                      |                                    |         |        |

### CONSTRUCTION NOTES

SEE SHT 10

Block 7G2 UUP Attachment E – Technical Specifications 634 | Page

| ROJECT: 2      | 53568           | JOB:01                 | REV:0 TYPE: UD                        | NAME: ROLANDO BLK 7G   | 2 -T&C JOB   | 1        |             |                                       |              | <u>؛</u><br> | STATUS: A          | CT WO              | RK ORDE       | R: 2960700  |
|----------------|-----------------|------------------------|---------------------------------------|------------------------|--------------|----------|-------------|---------------------------------------|--------------|--------------|--------------------|--------------------|---------------|-------------|
| ESIGN: 01      | NAME            | : ROLANE               | O BLK 7G2 T&C JOB 1                   |                        | US: ACT      |          |             |                                       |              |              |                    |                    |               |             |
| OCATION:       | 423 SHE         | ET: 01                 | DISTRICT: CM DESIG                    | SNED BY: GEORGE BONNER |              |          |             |                                       |              |              |                    |                    | LOCATIC       | N 423 OF 58 |
| WRK            | <br> AU ID      | <br>  STOCK <b>#  </b> | DESCRIPTION/                          | CONSTRUCTION NOTES     | QTY<br>  RQD | UM       | WRK<br> RSP | MAT  <br>RSP                          | TIM <br> TRT | ACC<br>TRT   | STANDARD<br>  PAGE | CREW<br>  TYPE     | HOURS         |             |
| I-NI           | 3'HD-A          | 1 1                    | HAND DIG TRENCH 3                     | FT DEEP AVE            | 20           | ] FT     |             |                                       | S            | с            | [G7453             | 3-WF3              | 7,71          |             |
| I<br>I-И <br>! | i               |                        | BACKFILL TRENCH 3                     | FOOT DEEP              | 20           | FT       | i c<br>I    | [                                     | S            |              | 1                  | 3-WF3<br> C-BC<br> | 1 0.31        |             |
| 1-N <br>       | SHD-12          |                        | SAND, FILL RECY                       |                        | 20<br>  2    | FT<br>TN | I C         | c                                     | S            | C            | G7405<br>          |                    | 0.1 <br>  0.1 |             |
| I-N <br>[      | <br> 1DB3-S<br> | <br> <br> 249664       | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN  |                        | i 20<br>i 20 | FT<br>FT | I           | с                                     | 1            | C            | 3373.1             | <br> 3-WF3<br>     | 0.3 <br>      |             |
| I-N <br> <br>  | R-XCES          |                        | EXCESS TRENCH SPOI<br>DUMPING FEE     | L (12 IN DEEP)         | 1 20         |          | i C         | i i                                   |              | C J          | t<br>F             |                    | 0.51          |             |
| I-NI           | plantu          | 1                      | REMOVE/REPLACE LAN                    | DSCAPING               | 1 20         | FT       | C<br>       | · ·                                   | S            | I C          | I                  |                    | 2.0           |             |
| I-N]           | LN-S/U          | i i                    | TC-LANE CLOSURE UR                    | BAN STREET             | 1 1          | EA       | I C         | l                                     | S            | ΙC           | 1                  |                    | 1.01          |             |
| 1<br>1-N       | <br> ln/s/s     | 1 1                    |                                       | ST (STREET REPAIR)     | 1 1          | EA       | I C         | ł                                     | [ 5          |              |                    | TC4                |               |             |
| FUNC COE       | DE DESC         |                        | EXIST TAG NEW                         |                        | SEE SHT 1    |          | CONS        |                                       |              | NOI:         |                    |                    |               |             |
|                |                 |                        |                                       |                        | ·            |          |             |                                       |              |              |                    |                    |               | ··· •       |
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|                |                 |                        | · · · · · · · · · · · · · · · · · · · | ,                      |              |          |             |                                       |              |              |                    |                    |               | · ·         |
|                |                 |                        |                                       |                        |              |          |             |                                       |              |              |                    |                    |               |             |

|                |                            | D1 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  |           |                |            |                  |              |     |                |                               |             | R: 2960700  |
|----------------|----------------------------|--|-----------|----------------|------------|------------------|--------------|-----|----------------|-------------------------------|-------------|-------------|
|                |                            |  | S: ACT    |                |            |                  |              |     |                |                               |             |             |
| OCATION        | : 424 SHEET: (             | 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER   |           |                |            |                  |              |     |                |                               |             | N 424 OF 58 |
| F-CIMU I       | ID AU ID STO               | DESCRIPTION/CONSTRUCTION NOTES   | RQD       | [ UM           | RSP        | RSP              | TRT [        | TRT | STANDARD       | TYPE                          | HOURS       |             |
| I-N            | 3'HD-A!                    | HAND DIG TRENCH 3 FT DEEP AVE  | 20        | ] FT           | C          |                  | S            | С   | G7453          | 3-WF3                         | 7.7[        |             |
| I-N            | i i                        | BACKFILL TRENCH 3 FOOT DEEP  | 20        | FT             | С          | i i              | S            | С   | İ              | <br> 3-WF3<br> C-BC           | 0.3         |             |
| I – N  <br>[   | 6114<br>                   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>4921 SAND, FILL RECYCLED MATLS PREFFERED | 20<br>  2 | FT<br>  TN<br> | C<br> <br> |                  | S  <br> <br> | С   | G7405<br> <br> | :<br> 3-WF3<br> C-BH<br> C-DT | 0.1         |             |
| I-N (          | 249                        | 1-3 IN DE CONDUIT SEC<br>664  CONDUIT DE 3 IN 20 FT LENGTH                         | 20        | [ FT           | i c        |                  | SI           | Ċ   | 3373.1         | <br> 3-WF3<br> <br>           | i 0.3 <br>I |             |
| ]<br>I-N <br>  | )  <br> R-XCES <br>   X300 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>007   DUMPING FEE                              | 20        | FT<br>  CY     | I C        | <br>  C  <br>  C | S  <br>      | С   | 1              | <br> C-DT<br> <br>            | 1 0.5 <br>  |             |
| I-N            | PLANTU                     | REMOVE/REPLACE LANDSCAPING   | 16        | FT             | i c        |                  | S            | С   | İ              | 3-wF3                         | 1.6         |             |
| I-N            | CC-2CT                     | CONCRETE 2 SAW CUT AND BREAK MECH  | 4         | FT             | i c        |                  | S            | С   | Ì              | I SR3AS                       | 0.21        |             |
| I-N            | <br> CF-H12                | FINISH CONCRETE SURFACE MAN 12 IN  | 4         | FT             | 1 C        |                  | S            | С   | 1              | ISR3CS                        | i i         | ,           |
| [<br>I-N[<br>I | LN-S/U                     | TC-LANE CLOSURE URBAN STREET   | 1         | ΞA             | I C        | 1 1              | S            | С   | i -            | 1<br>1<br>1<br>1              | 1.0         |             |
| I-N.           | [LN/S/S]                   | LANE CLOSURE URBAN ST (STREET REPAIR)  |           |                |            |                  |              |     | 1              |                               |             |             |
|                | FAC<br>DDE DESC            | EXIST TAG NEW TAG  | SEE SHT 1 |                | CONS       | TRUCI            | TION         | NOT | es             |                               |             |             |
|                |                            |  |           |                |            |                  |              |     |                |                               |             |             |
|                |                            |  |           |                |            |                  |              |     |                |                               |             |             |
|                |                            |  |           |                |            |                  |              |     |                |                               |             |             |
|                |                            |  |           |                |            |                  |              |     | ,              |                               |             |             |
|                |                            |  |           |                |            |                  |              |     |                |                               |             |             |
|                |                            |  |           |                |            |                  |              |     |                |                               |             |             |

| P001EM2-LO<br>9/05/17 11 | :36          | 01          |                         |         | SF<br>DPSS -      |          | GAS AND<br>REVIEW |            |            | AIL        |           |          |         |      |                  |                 | P.      | AGE NO 482                            |
|--------------------------|--------------|-------------|-------------------------|---------|-------------------|----------|-------------------|------------|------------|------------|-----------|----------|---------|------|------------------|-----------------|---------|---------------------------------------|
|                          |              | JOB:01      | REV:0 1                 | TYPE: U | D NAME:           | ROLANDO  | BLK 7G2           | -T&C       | JOB        | 1          |           |          |         | 5    | STATUS: AC       | T WOI           | RK ORDE | R: 2960700                            |
|                          |              |             | 00 BLK 7G2 T&           |         |                   |          | STATU             |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             | DISTRICT: CM            |         |                   |          |                   |            | . <u>.</u> |            |           |          |         | PHON | VE: 999-99       | 99 I            | LOCATIO | N 425 OF 587                          |
| IRK <br>CIMU ID          | AU ID        | STOCK#      | DESC                    | RIPTIO  | N/CONSTRUC        | CTIÓN NO | TES               | 1          | RQD        | UM ]       | RSPIJ     | SP       | TRT1    | TRT  | STANDARD<br>PAGE | TYPE            | HOURS   |                                       |
| -N                       | 1330926<br>1 | <br> 162690 | HAND HOLE<br>QUAZITE    | 3309.2  | 37 <b>"</b> X 26" |          |                   |            | 11         | EA         | CI        | C 1      | 1       |      | 3309.2           | 35WF3<br> <br>  | l I     |                                       |
| -N                       | X09H26       | 162690      | INSTALL EX              |         |                   |          |                   | 1          | 1<br>1     | EA  <br>EA | с і<br>І  | 1<br>C 1 | S  <br> | C I  | 3309.2           |                 | 0.8     |                                       |
| -n[                      | 1-3SLB<br>   | 322048      | 1-3 IN DB<br>  BEND COM | NDUIT D | B 3 IN 90         |          |                   | <br>[<br>] | 51<br>51   | EA  <br>EA | ¢ I       | c        | S  <br> | C I  | 3373.2           | 3-WF3<br>       | 0.3     |                                       |
| i                        | 1            | i I         | SLURRY N<br>REMOVE/REI  |         |                   | 5        |                   |            | 1          | 1          | <br> <br> | 1        | 1       |      |                  | <br> <br> 3-WF3 | E L     |                                       |
| ORK FAC                  |              |             |                         |         |                   | •        |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
| UNC CODE                 | DESC         |             | ÉXIST TA                | AG N    | EW TAG            |          |                   |            |            | -          | ONSTR     | KUCT     | ION .   | NOTI | 48               |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   | SEE 5      | SHT 10     | )<br>      |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
| <u> </u>                 |              |             |                         |         | <u> </u>          |          |                   |            |            |            |           |          |         |      | <u> </u>         |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          | <u></u>           |            |            |            |           |          | · .     |      |                  |                 |         | · · · · · · · · · · · · · · · · · · · |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          | _                 |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          | <u> </u>     |             | <u> </u>                |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              |             |                         |         |                   |          |                   |            |            |            |           |          |         |      |                  |                 |         |                                       |
|                          |              | · • <b></b> |                         |         | <del>.</del>      |          |                   |            |            |            | -         |          |         |      |                  |                 |         |                                       |

| ROJECT:      |                    |                                     |                         |   |                              | NDO BLK 7G2 |                                     |                            |     |                |              |     | STATUS: AC                     |                     |                         |          | 700  |
|--------------|--------------------|-------------------------------------|-------------------------|---|------------------------------|-------------|-------------------------------------|----------------------------|-----|----------------|--------------|-----|--------------------------------|---------------------|-------------------------|----------|------|
| ESIGN:       |                    |                                     |                         | T&C JOB 1   |                              | STATUS      |                                     |                            |     |                |              |     |                                |                     |                         |          |      |
| OCATION      | : 426 SHE          | ET: 01                              | DISTRICT:               | CM DESIG  | GNED BY: GEO                 | RGE BONNER  |                                     |                            |     |                |              | PHO | NE: 999-99                     | 99                  | LOCATIO                 | N 426 OI | F 58 |
|              | ID LAU ID          |                                     |                         |   |                              | NOTES       | 1 RQD                               | UM                         | RSP | RSP            | TRT          | TRT |                                | TYPE                | [HOURS                  |          |      |
| I-N (        | AS-2CT             |                                     |                         | 2 SAW CUT   |                              |             | j 120                               | •                          |     | 1              | S            | i c | 1                              | SR3AS               | [ 3.1                   |          |      |
| -NI<br>!     | 1                  |                                     | ASPHALT<br>ASPHA        | BASE MECI<br>LT (BASE)  | H 18 IN                      |             | 120<br>  13                         | FT<br>  TN                 | с   | i<br>I C       | 1 1          | с   | 1                              | C-BC                | 3.21                    |          |      |
|              | Ī                  | X20201                              | TRAFF.                  | G TRENCH 3<br>IC BEARING :<br>LT, COLD MI                                   | STEEL PLATE                  | KHOE        | 124<br>  93<br>  2                  | EA<br>  TN                 |     | <br>  C<br>  C | S  <br>      | с   | G7453<br> <br>                 | 3SWF4               | 5.0 <br>  5.0 <br>  9.9 |          |      |
| -N[          |                    |                                     | TRENCH<br>DUMPI         | SPOIL 3 FT<br>NG FEE  | DEPTH                        |             |                                     |                            | c   |                |              |     | ;<br>{<br>                     | <br> C-DT<br>       |                         |          |      |
| -N!          |                    | 656400                              |                         | L SLURRY 18<br>Y MIX, 1 SAG   |                              | 2 IN DEEP   | 372<br>  21                         |                            |     | <br>  C        |              | с   | <br> G7409<br>                 | 3-wF3<br>           | 0.7                     |          |      |
| N1<br>1<br>1 | l 1EB3IN<br>l<br>l | <br> 248201 <br> 249664 <br> 663528 | CONCR<br>CONDU<br>SPACE | EB CONDUIT (<br>ETE - 2 SAC)<br>IT DB 3 IN 3<br>R INTERMEDIA<br>BASE SPACER | K (GRAVEL MI<br>20 FT LENGTH | E T         | 124<br>  3<br>  124<br>  21<br>  21 | CY<br>  FT<br>  EA<br>  EA |     |                |              |     | <br> 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br> |                         |          |      |
| -N           | 1                  | 322048                              | BEND                    | DB 90 D 36 3<br>CONDUIT DB 3<br>Y MIX, 1 SAG                                | 3 IN 90 D 36                 |             | 2<br>  2<br>  1                     | EA                         | C   |                |              | С   | ]<br> 3373.2<br> <br>!         | <br> 3-WF3<br> <br> |                         |          |      |
| -N[          | I<br>LN-S/U        |                                     | TC-LANE                 | CLOSURE URI   | BAN STREET                   |             | 1 1                                 | EA                         | с   | 1              | S            | с   |                                |                     |                         |          |      |
| -N[          | LN/S/S             |                                     | LANE CL                 | OSURE URBAN   | ST (STREET                   | REPATR)     | 1                                   | ΞA                         | с   | 1              | ]<br>] S     | с   |                                | 1<br> TC4           |                         |          |      |
| -N[          | <br>  PLANTU       | <br>                                | REMOVE/                 | REPLACE LAN   | DSCAPING                     |             | 1 10                                | <br>  FT                   |     | <br>1          | 1  <br>1   S | c   | i<br>I                         | <br> 3-WE3          | [  <br>[ 1.0]           |          |      |

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# CONSTRUCTION NOTES

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SEE SHT 6,10

| DP001EM2-LOCAL40-001<br>09/05/17 11:36 | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP                            | Y - DETAIL   |
|--|---|--|
| PROJECT: 253568 JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T                                     | C JOB 1 STATUS: ACT WORK ORDER: 2960700  |
| DESIGN: 01 NAME: ROLANDO               | BLK 7G2 T&C JOB 1 STATUS: J   | ACT  |
| LOCATION: 427 SHEET: 01 I              | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                     | PHONE: 999-9999 LOCATION 427 OF 587  |
| WRK                                    | DESCRIPTION/CONSTRUCTION NOTES  | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS <br>+  |
| I-N   330926   <br>     162690         | HAND HOLE 3309.2 37"X 26" X 26"<br>QUAZITE BOX 37"X26"26"                   | 1 EA(C) S C 3309.2 33WF3 0.8   |
| 162690                                 | INSTALL EXCAVATION/REMOVE<br>QUAZITE BOX 37"X26"26"                         | 1 EA  C     S   C  3309.2  3SWF3  0.8  |
| 322048                                 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R | I     I     I     I     I     I       1     6 EA      C     I     I     I       6 EA      I     C     I     I     I       2     I     CY     I     I     I |
|  | SLURRY MIX, 1 SACK SAND<br>REMOVE/REPLACE LANDSCAPING                       | 1 2 CI 1 C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |
| WORK FAC<br>FUNC CODE DESC             | EXIST TAG NEW TAG   | CONSTRUCTION NOTES   |
|  | SEE   | SHT 6  |
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| ROJECT:       | 253568          | JOB:01                   | SAN DIEGO GAS ANI<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 762                      | -T&C JOB          | 1                         |              |              |         | 5 | STATUS: AC | T WO                      | RK ORDE           | R: 2960700  |
|---------------|-----------------|--------------------------|--|-------------------|---------------------------|--------------|--------------|---------|---|------------|---------------------------|-------------------|-------------|
| ESIGN: 0      | 1 NAME          | : ROLAND                 | O BLK 7G2 T&C JOB 1 STATU  | IS: ACT           |                           |              |              |         |   |            |                           |                   |             |
| OCATION:      | 428 SHE         | ET: 01                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                           |              |              |         |   |            |                           |                   | N 428 OF 58 |
|               |                 |                          |  |                   |                           |              | MAT <br> RSP |         |   |            |                           |                   |             |
| I-N]          | 3'HD-A          | I I                      | HAND DIG TRENCH 3 FT DEEP AVE  | 28                | FT                        | I C          | 1            | SI      | С | Ġ7453      | 3-WF3                     | 10.6              |             |
| I-N           | ) BKF-3 '<br>1  |                          | BACKFILL TRENCH 3 FOOT DEEP  | 28                | [ FT<br>[                 | C<br>        |              | S  <br> | С |            | 3-WF3<br> C-BC            |                   |             |
| I-N <br> <br> | l<br>l          | <br> 611492 <br>         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 28<br>  2         | TN                        | C<br> <br>   | С            |         | С | G7405      | 3-WF3<br>  C-BH<br>  C-DT | 0.1<br>0.1<br>0.1 |             |
| I-N <br>      | 1DB3-S          | 249664                   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 28<br>  28        | ]<br>  FT<br>  FT<br>  FT | i c<br>I     |              |         |   | 3373.1     | 3-WF3                     | 1 1               |             |
| I-N <br> <br> | R-XCES          |                          | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FZE  | [ 28<br>[ 3       |                           | 1 C          | <br>  C      |         | с |            | IC-DT                     | 0.71              |             |
| I-N [         | PLANTU          | i i                      | REMOVE/REPLACE LANDSCAPING   | 1 28              | FT                        | I C          |              | ISI     | С | l          | 13-WF3                    | 2.81              |             |
|               | 1               |                          | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 1 5<br>1 4<br>1 1 | EA<br>  TN                | 1 C<br>1     |              |         | С | G7453      | C-BC<br> C-BH<br> 3SWF4   | 0.2               | <u>.</u>    |
| ]<br>I-N <br> | 1               | 11000011                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 5<br>i 2        | İCY                       | i c<br>I     | с            | I S I   | С |            |                           | 0.4               |             |
| I-N <br>      | SLR-18<br>      | [656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 15<br>  1         | ]CY                       | i c<br>I     | l<br>c       |         | С | G7409      |                           | [<br>             |             |
| I-N <br> <br> | 1EB3SL          | [249664]                 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 5<br>  5<br>  1   | FT<br>  CY                | [ C<br> <br> |              | S       | С | 3376.1     | 3-WF3<br> <br> <br>       |                   |             |
| I-N <br> <br> | 1-3SL8<br> <br> | [<br> 321878 <br> 656400 | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | iea<br>icy                | C<br>        | c            | S       | с | 3373.2     | 3-WF3<br> <br>            | 0.1               |             |
| I-N           | ⊑N−S/U          | 1 1                      | TC-LANE CLOSURE URBAN STREET   | 1                 |                           | ( C          |              |         |   | İ          |                           | 1 1.01            |             |
| I-N           |                 |                          | LANE CLOSURE URBAN ST (STREET REPAIR)  | j 1               |                           | i c          | i –          |         | с | İ          | TC4                       |                   |             |
| <br>I-N       | <br>  plantu    |                          | REMOVE/REPLACE LANDSCAPING   |                   |                           |              |              | S       |   |            |                           | 0.51              |             |

#### SEE SHT 6

| ROJECT:          | 253568 3          | JOB:01             | REV:0 TYPE: UD N  | SAN DIEGO GAS AND I<br>PPSS - DESIGN REVIEW CO<br>MAME: ROLANDO BLK 7G2 · | -T&C JOB        | 1                |               |                |              | S            | STATUS: AC       | T WO                    | RK ORDE           | R: 2960700  |
|------------------|-------------------|--------------------|---|---|-----------------|------------------|---------------|----------------|--------------|--------------|------------------|-------------------------|-------------------|-------------|
|                  | 1 NAME:           | ROLAND             | D BLK 7G2 T&C JOB 1   | STATUS  | ACT             |                  |               |                |              |              |                  |                         |                   |             |
| OCATION:         |                   |                    | DISTRICT: CM DESIGNE  |   |                 |                  |               |                |              | PHON         | JE: 999-99       | 99                      | LOCATIO           | N 429 OF 58 |
| WRK <br>F-C MU I | <br>D  AU ID      |                    | DESCRIPTION/CON   |   | I OTY           | i i              | IWRK          | MAT<br> RSP    | TIM<br>  TRT | ACC          | STANDARD<br>PAGE | CREW<br> TYPE           | EST  <br> HOURS   |             |
| I-N[             | 3'HD <b>-</b> A   | I I                | HAND DIG TRENCH 3 FI  | DEEP AVE  | 14              | FT               | ιc            |                | S            |              | G7453            | 3-WF3                   | 5.5               |             |
| I                | <br>  BKF-3 '<br> | i i                | BACKFILL TRENCH 3 FOO   | T DEEP  |                 |                  |               | i<br>I         | I S          |              |                  | 3-WF3<br> C-BC          | 0.21<br>0.21      |             |
| 1 -N 1<br>1      | l<br>I            | 611492 <br>        | SHADE TRENCH WITH SAN<br>SAND, FILL RECYCLE                       | ND - 12 INCH WIDTH<br>ED MATLS PREFFERED                                  |                 | TN<br>           | 1<br>         | l c            | 1            | C<br> <br>   | G7405            | C-BH<br> C-DT           | i i<br>I l<br>I l |             |
| I-N <br>         |                   | <br> 249664        | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20                       | FT LENGTH   | 14<br>  14      |                  | i i           | l c            |              | l C          | 3373.1           | İ.                      | 0.21              |             |
| I-N[<br>[        | R-XCES            | X30007             | EXCESS TRENCH SPOIL<br>DUMPING FEE                                | (12 IN DEEP)  | i 14<br>I 2     | FT<br> CY        | i c           | l<br>c         |              |              |                  |                         | 0.4               | ••••        |
| I-NI             | plantu            | i i                | REMOVE/REPLACE LANDSO   | CAPING  | i 10            | •                | i C           | i              | S<br>        |              |                  |                         | 1 1.0             |             |
| I-NI             |                   | í i                | CONCRETE 2 SAW CUT AN   | ND BREAK MECH   | 1 4             |                  | i c           | İ.             | ו<br>[ S     | i C          |                  | •                       | 0.2               |             |
| I-N              | CF-H12            | i 1                | FINISH CONCRETE SURFA   | ACE MAN 12 IN   | 4               | FT               | i c           | i              | ו<br>[S      | i c :        | ĺ                | ISR3CS                  | i i,              | _           |
| I–N <br> <br>    | i                 | <br> X20201        | MACH DIG TRENCH 3 FT<br>TRAFFIC BEARING STR<br>ASPHALT, COLD MIX  |   | 5<br>  4<br>  1 | EA<br>TN         |               |                | S<br> <br>   | i c<br> <br> | G7453<br>        | C-BC<br> C-BH<br> 3SWF4 | 0.2<br>0.2<br>0.4 |             |
| I-N              | REM-3 '           | X30007             | TRENCH SPOIL 3 FT DE<br>DUMPING FEE                               | SPTH  | i 5<br>i 2      | FT<br>  CY       | i c<br>I      | i<br>i c       | S<br>        | ς i          | 1                |                         | 0.4               |             |
| 1-N <br>         | SLR-18            | 656400             | BACKFILL SLURRY 18 IN<br>SLURRY MIX, 1 SACK                       |   | 15<br>  1       | FT               | 1             | <br>  C        | S<br>        | 1            | G7409            |                         | 1 L               |             |
| I-N <br> <br>    | 1EB3SL<br> <br>   | 249664 <br> 656400 | 1-3 IN EB CONDUIT SLU<br>CONDUIT DB 3 IN 20<br>SLURRY MIX, 1 SACK | FT LENGTH   | 5<br>  5<br>  1 | FT               | i c<br>I<br>I | <br>  C<br>  C | •            | C<br>        | 3376.1<br>       |                         | i 0.1             |             |
| I-N1             | 1-35L8<br> <br>   | 321878 <br> 656400 | 1-3 IN DB 45 D 36 IN<br>BEND CONDUIT DB 3 3<br>SLURRY MIX, 1 SACK | IN 45 D 36 IN R   | 1<br>  1<br>  1 | EA<br> EA<br> CY | i c<br>1<br>1 | i<br>I C       |              | i c<br>I     | 3373.2           | 13-WF3                  | 0.1               |             |
| I-N              | LN-S/U            |                    | TC-LANE CLOSURE URBAN   | N STREET  | 1               |                  | i c           | 1              | s            | c            | <br>             |                         | 1.0               |             |
| I-N              |                   | i i                | LANE CLOSURE URBAN ST   | I (STREET REPAIR)   | 1               | EA               | i c           | 4              | 15           |              |                  |                         | [ 1.0]            |             |
| I-N              | <br>  plantu      |                    | REMOVE/REPLACE LANDS  | CAPING  |                 | <br>  FT         |               |                | <br>  S      | [<br>[ C     |                  | <br> 3-WF3              | 0.5               |             |

FUNC CODE DESC

EXIST TAG NEW TAG

#### CONSTRUCTION NOTES

SEE SHT 6

| ROJECT: 25    | 3568         | JOB:01  | REV:0 TYPE:                                    |                                   | E: ROLANDO BLK 70      |                |                  |             |                  |     |     | STATUS: AC           | T WO                      | RK ORDE           | R: 2960  | )700  |
|---------------|--------------|---|--|-----------------------------------|------------------------|----------------|------------------|-------------|------------------|-----|-----|----------------------|---------------------------|-------------------|----------|-------|
| ESIGN: 01     | NAME         | : ROLAND  | 0 BLK 7G2 T&C JO                               | B 1                               | STAI                   |                |                  |             |                  |     |     |                      |                           |                   |          |       |
| OCATION: 4    | 30 SHE       | ET: 01  | DISTRICT: CM                                   | DÉSIGNED                          | BY: GEORGE BONNER      |                |                  |             |                  |     | PHO | NE: 999-99           | 99 :                      | LOCATIC           | Nî 430 ( | )F 58 |
| F-CIMU ID     |              |   | DESCRIPT                                       |                                   | RUCTION NOTES          | 1 QTY<br>1 RQD | iuMi             | RSP         | RSP              | TRT | TRT | STANDARD<br>PAGE     | TYPE                      | HOURS             |          |       |
| I-Nj          | AS-2CT       | İ İ   | ASPHALT 2 SAW                                  |                                   |                        |                |                  | с           |                  |     |     | I                    | SR3AS                     | 2.5               |          |       |
| I-N<br>I      |              | i i   | ASPHALT BASE<br>ASPHALT (BAS                   |                                   | IN                     |                | FT  <br>  TN     | с           |                  | SΙ  |     | 1                    | C-BC                      | 2.6               |          |       |
| I-N <br> <br> | Ì            | [X20201]  | MACH DIG TRENC<br>TRAFFIC BEAR<br>ASPHALT, COL | ING STEEL                         |                        | 74             |                  |             | <br>  C  <br>  C | 1   |     | G7453<br>            | C-BC<br>  C-BH<br>  3SWF4 | 3.9<br>3.9<br>7.8 |          |       |
| I-N           | Ì            |   | TRENCH SPOIL<br>DUMPING FEE                    | 3 FT DEPT                         | Ĥ                      |                | ] FT  <br>  CY   | С           | <br>  C          |     | с   | İ                    | <br> C-DT<br>             | 8.6               |          |       |
| I-N           | SLR-18       | i i   |  |                                   | IDE X 12 IN DEEP<br>ND | 294<br>  17    |                  |             |                  |     | С   | G7409<br>            | 3-WF3<br>                 | 0.6               |          |       |
|               | i<br>1<br>1  | <br> 248201(<br> 249664(<br> 663528 <br> 663530 | CONDUIT DB 3<br>SPACER INTER                   | SACK (GR<br>IN 20 FT<br>MEDIATE 5 | AVEL MIX)              | •              | CY<br>FT         | 1<br>1<br>1 |                  |     | c   | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>       |                   |          |       |
| I-N <br> <br> |              | 322048  | 1-3 IN DE 90 D<br>BEND CONDUIT<br>SLURRY MIX,  | DB 3 IN                           | 90 D 36 IN R           | 2              | EA<br> EA<br> CY |             |                  |     | с   | <br> 3373.2<br>      | <br> 3-WF3<br>            | <br>[ 0.1 <br>    |          |       |
| I-N           | ILN-S/U      |   | TC-LANE CLOSUR                                 | e urban s                         | TREET                  | 1 1            | EA               | c           | 1 1              | S   | с   |                      | 1 TC3                     | <br>  1.0         |          |       |
| I-N           | <br> LN/S/S  |   | LANE CLOSURE U                                 | RBAN ST (                         | STREET REPAIR)         | 1 1            | EA               | c           |                  | SI  | с   |                      | 1<br>1TC4                 | 1.0               |          |       |
| [<br>I-N[     | <br>  plantu |   | REMOVE/REPLACE                                 | LANDSCAP                          | ING                    | ]<br>] 10      | <br> FT          | l<br>I C    | 1 1              | S I | c   |                      | 13-WF3                    | <br>  1.0         |          |       |

## CONSTRUCTION NOTES

SEE SHT 6 

Block 7G2 UUP Attachment E – Technical Specifications

| DP001EM<br>09/05/1                    | 17 1 <b>1</b> : |            |             |                    |           |          | DPSS - |         |            |   | OPY - 1      | DETAI            | ľ.      |          |          |          |                                       |                |                | AGE NO 488                            |
|---------------------------------------|-----------------|------------|-------------|--------------------|-----------|----------|--------|---------|------------|---|--------------|------------------|---------|----------|----------|----------|---------------------------------------|----------------|----------------|---------------------------------------|
|                                       | r: 253          | 3568 4     | JOB:01      |                    | TYPE:     | UD I     |        |         |            |   |              |                  |         |          |          |          |                                       |                |                | R: 2960700                            |
|                                       |                 |            |             | 00 BLK 7G2         |           |          |        |         | STA        |   | : ACT        |                  |         |          |          |          |                                       |                |                |                                       |
|                                       |                 |            | ET: 01      | DISTRICT:          | CM J      | DESIGN   | ED BY: | GEORG   | E BONNE    | R |              |                  |         |          |          |          |                                       |                |                | N 431 OF 587                          |
| F-CM                                  | JID             | AU ID      | <br> STOCK# |                    | ESCRIPT:  | ION/CO   | NSTRUC | TION N  | OTES       |   | 1 QT<br>  RQ | D  U№            | IRSP    | IRSP     | TRT      | TRT      | STANDARD<br>PAGE                      |                |                |                                       |
| I-N <br>                              |                 | 3421-1<br> | <br> 514240 | PAD 342<br>  PAD 1 | 21 1-PHA: | SE TRA   | NSFORM | 1ER     |            |   | 1            | 1 E7<br>1 E7     | A C     | 1<br>  C | ] S<br>] | C<br>    | 3421.1                                | 1              | L I            |                                       |
| <br>  I-N[                            |                 | X-XF1P     |             | PAD PRE            | EP 3421   | PAD (1   | -PHASE | E TRANS | FORMER)    |   | I<br>I       | <br>1 E#         | L C     | 1        | S        | [ C      |                                       | <br> 3SWF3<br> | [ 0.4]         |                                       |
| <br> I-N <br>                         |                 | TG-T-W<br> | 812816      | TRENCH             |           |          |        |         |            |   | 1            | 1 E#<br>8 LE     | c<br>st | с        | S        | I C<br>1 | 4510.1                                | 35WF3<br>      | 0.21<br>1 0.21 |                                       |
| <br> I-N!<br>                         |                 | I          | <br> 322048 | 1-3 IN<br>  BEND   | CONDUIT   | DB 3     | IN 90  | D 36 I  |            |   | 1<br> <br>   | 6   E#<br>6   E# | LÍ C    | ( C      | S<br>    | C<br>    | 3373.2                                | 1              | 1 0.3          |                                       |
| WORK                                  | FAC             |            | 16564001    | EXIST              | RY MIX,   |          |        |         |            |   |              |                  |         | TRUC     |          |          | <b>-</b>                              | . <b></b> _    |                |                                       |
|                                       |                 | PAD        |             |                    |           | D2182    |        |         |            | s | EE SHT       | б                |         |          |          |          |                                       |                |                |                                       |
| · · · · · · · · · · · · · · · · · · · |                 |            |             |                    |           |          |        |         |            |   |              | ·<br>·<br>·      |         |          |          |          | · · · · · · · · · · · · · · · · · · · |                |                |                                       |
|                                       |                 |            |             | <u></u>            |           |          |        |         |            |   |              |                  |         |          |          |          |                                       |                |                | · · · · · · · · · · · · · · · · · · · |
|                                       |                 |            |             |                    |           |          |        |         |            | : |              |                  |         |          |          |          |                                       | <u>.</u>       |                |                                       |
|                                       |                 |            |             |                    |           |          |        |         |            |   |              |                  |         |          |          |          |                                       | <u>.</u>       |                |                                       |
|                                       |                 |            |             |                    |           | <u> </u> |        |         | <u>-</u> . |   | <u>.</u>     |                  |         |          |          |          |                                       |                |                |                                       |

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| ROJECT: 25      |                | 1 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |              |                |       |             |              |          | STATUS: AG | CT WO                         | RK ORDE           | R: 2960700  |
|-----------------|----------------|--|--------------|----------------|-------|-------------|--------------|----------|------------|-------------------------------|-------------------|-------------|
|                 | NAME: ROL      | ANDO BLK 7G2 T&C JOB 1 STATUS  | S: ACT       |                |       |             |              |          |            |                               |                   |             |
|                 |                | 1 DISTRICT: CM DESIGNED BY: GEORGE BONNER  |              |                |       |             |              | PHO      | NE: 999-9  | 999 :                         | LOCATIO           | N 432 OF 58 |
| F-C MU ID       | AU ID STOC     | K#I DESCRIPTION/CONSTRUCTION NOTES   | I RQD        | UM             | RSP   | RSP         | TRT          | TRT      |            | TYPE                          | HOURS             |             |
| É−N∣            |                | HAND DIG TRÊNCH 3 FT DEEP AVE  | ! 18         | FT             | 1 C   | [           | ! 5          | I C      | G7453      | 3-WF3                         | 7.0               |             |
|                 | BKF-3'         | BACKFILL TRENCH 3 FOOT DEEP  | 18<br>       | FT<br>         | C<br> | 1           | I S          | i C<br>I | l<br>E     | <br> 3-WF3<br> C-BC           | 0.3               |             |
| [<br> <br> <br> |                | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>92 SAND, FILL RECYCLED MATLS PREFFERED | 1 18         | FT<br>  TN<br> |       | <br>  c<br> | 1 S<br>1     |          | İ.         | !<br> 3-WF3<br> C-BH<br> C-DT | 0.1<br>0.1<br>0.1 |             |
| I-N[<br>[       |                | 1-3 IN DE CONDUIT SEC<br>641 CONDUIT DE 3 IN 20 FT LENGTH                        | i 18<br>1 18 | FT             | C<br> | l c         | 1            | I C<br>I | 3373.1     |                               | 0.3               |             |
| [-N]            | [R-XCES]       | EXCESS TRENCH SPOIL (12 IN DEEP)<br>07   DUMPING FEE                             | 18<br>  2    | ΙET            | C<br> | <br>  C     | 1<br>  S<br> | C<br>    | <br>       | <br> C-DT<br> <br>            | 0.5               |             |
| -N              | PLANTU         | REMOVE/REPLACE LANDSCAPING   | 1.8          | FT             | i c   | Ì           | <br>  \$     | I C      | Ì          | 3-WF3                         | 1.8               |             |
|                 |                | TC-LANE CLOSURE URBAN STREET   | 1            | EA             | I C   | 1           | I S          | 1 C      | 1          | TC3                           | 1.0               |             |
| <br>[-N]        | ]  <br> LN/S/S | <br>  LANE CLÖSURE ÜRBAN ST (STREET REPAIR)                                      |              |                |       |             | <br>  S      |          | •          | <br>  TC4                     |                   |             |
| NORK FAC        |                | EXIST TAG NEW TAG  |              |                | CONS  | TRUC        | FION         | NOT      | ES         |                               |                   |             |
|                 |                | :  | SEE SHT 6    |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 | • •            |  |              |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 |                |  |              |                |       |             |              |          |            |                               |                   |             |
|                 | <u></u>        |  |              |                |       |             |              |          |            |                               |                   |             |
|                 | ·              | ·  |              |                |       |             |              |          |            | •                             |                   |             |
|                 |                |  |              |                |       |             |              |          |            | •                             |                   |             |

| OJECT: 2       | 53568 3         | IOB:01                  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW (<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                    | -I&C JOB          | 1                      |      |                |                       | 5          | STATUS: AC       | T WOF                      | K ORDE              | R: 2960700  |
|----------------|-----------------|-------------------------|--|-------------------|------------------------|------|----------------|-----------------------|------------|------------------|----------------------------|---------------------|-------------|
| SIGN: 01       | NAME :          | ROLANDO                 | D BLK 7G2 T&C JOB 1 STATUS   |                   |                        |      |                |                       |            |                  |                            |                     |             |
|                |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                        |      |                |                       | PHO        | IE: 999-99       | 99 1                       | OCATIO              | N 433 OF 58 |
| CIMU ID        | <br> AU ID      | STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES   | ROD               | UM                     | RSP  | RSP            | TRT                   | TRT        | STANDARD<br>PAGE | TYPE                       | HOURS               |             |
| -N             |                 | 1                       | HAND DIG TRENCH 3 FT DEEP AVE  | 1 41              | FT                     | CI   |                | 5                     | С          | G7453            | 3-WF3                      | 15.3                |             |
| -N1            | BKF-31          | i                       | BACKFILL TRENCH 3 FOOT DEEP  | 41                | FT                     |      |                | \$                    | С          |                  | 13-WF3<br> C-BC            | 0.6 <br>0.6         |             |
| <br> <br> <br> |                 | 6114921                 | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 41<br>  3<br>     | TN                     | 1    | Ċ              | <br>                  | с          | G7405            | 3-WF3 <br> C-BH  <br> C-DT | 0.1 <br>0.1 <br>0.1 |             |
| [_N <br>[      | 1               | i i                     | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 41              | FT                     |      | с              | i s i                 | _          | 3373.1           | <br> 3-WF3 <br>            | 0.61                |             |
| I-N            | R-XCES          | 1                       | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 41                | FT <br> CY             | С    | C              | S                     | c          |                  | C-DT                       | 1.0                 |             |
|                |                 | 1                       | CONCRETE 2 SAW CUT AND BREAK MECH  | 41                | FT                     | ¢    | (              | t s i                 |            |                  | SR3AS                      | 1.6                 |             |
| -N             |                 | i i                     | FINISH CONCRETE SURFACE MAN 12 IN  | 41                | FT                     | c    | 1              |                       | С          |                  |                            | 0.2                 |             |
| ]<br>[-N]<br>  | BHO3XH<br> <br> | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 10<br>  8<br>  1  | FT  <br>  EA  <br>  TN | С    | <br>  C<br>  C | ] <b>S</b>  <br> <br> | с          | G7453            |                            | 0.4                 |             |
| E-N            | REM-3'          | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 10<br>I 3       | FT  <br>  CY           | С    | c              | S  <br>               | C          |                  | TG~01                      | 0.9                 |             |
| :-N [          | SLR-18          |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | i 30<br>1 2       | FT  <br>  CY           | С    | i<br>I C       | Ś                     | C<br>      | IG7409           | •                          | 0.1                 |             |
| [-N <br> <br>  | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 10<br>  10<br>  1 | FT<br>FT<br>CY         | C    |                | [ S<br>[              | C          | 3376.1           |                            | 0.1                 |             |
| <br> -N <br>   | 1-3SLB<br>      | 322048                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1<br>  1<br>  1   | EA<br>EA<br>CY         | С    | <br>  C<br>  C | 1                     | C<br> <br> | 3373.2<br> <br>  | 3-WF3<br> <br>             | 0.1 <br>   <br>     |             |
| <br>[          | LN-S/U          | 1 l                     | TC-LANE CLOSURE URBAN STREET   | į 1               | EA                     | с    | i              |                       | i C        | I                |                            | 1.0                 |             |
| -n!            | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                   |                        |      |                | <br>  S               |            | <br>             | <br>  TC4                  |                     |             |
| IORK FA        |                 |                         | EXIST TAG NEW TAG  |                   |                        | CONS | TRUC'          | TION                  | NOT        | <b></b>          |                            |                     |             |
| ROJECT: 253568 JOB:   |  | DPSS - DESIGN REVIEW CO  |  |                                       |  |                  |                 |               |             |
|---|--|--|--|---------------------------------------|--|------------------|-----------------|---------------|-------------|
|   |  | NAME: ROLANDO BLK 7G2 ~  |  |                                       |  |                  |                 |               | R: 2960700  |
|   | LANDO BLK 7G2 T&C JOB 1  |  | ACT  |                                       |  |                  |                 |               |             |
| CATION: 434 SHEET:  | 01 DISTRICT: CM DESI   | GNED BY: GEORGE BONNER   |  |                                       | PHON   | IE: 999-99       |                 | OCATIO        | N 434 OF 58 |
| WRK    ]<br>F-C MU ID  AU ID  STO                             | CK#  DESCRIPTION/  |  | QTY    WRK<br>  RQD  UM RSP                              | MAT TIN<br> RSP TRI                   | I   ACC  <br>]   TRT                         | STANDARD<br>PAGE | CREW  <br> TYPE | HOURS         |             |
| I-N   1EB3IN <br>     246<br>    1245<br>    1663<br>    1663 | [ 1-3 IN EB CONDUIT<br>3201  CONCRETE - 2 SAC<br>3664  CONDUIT DB 3 IN<br>3528  SPACER INTERMEDI<br>3530  1 IN BASE SPACER | CONC ENC<br>XK (GRAVEL MIX)<br>20 FT LENGTH<br>XATE 5 IN 2-WAY | 137 FT  C<br>  3 CY <br>  137 FT <br>  23 EA <br>  23 EA | [\$<br> C <br> C <br> C               | C  <br>   <br>   <br>                        | 3376.1           | (3-WF3)         | 1.9 <br> <br> |             |
| I-N   1-35LB <br>     322<br>     656                         | 1-3 IN DE 90 D 36<br>2048   BEND CONDUIT DE<br>5400   SLURRY MIX, 1 SA   | 3 IN 90 D 36 IN R  | [ 1]CY[  | S<br>  C                              | C  <br>                                      | 3373.2           | 3-WF3 <br>      | 0.1           |             |
| VORK FAC  | EXIST TAG NEW  |  |  | RUCTION                               | I NOTE                                       | :s               |                 |               |             |
|   |  | SE   | E SHT 6  |                                       |  |                  |                 |               |             |
|   |  |  |  |                                       |  |                  |                 |               |             |
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|   |  |  | - · · · · · · · · · · · · · · · · · · ·                  |                                       |  |                  |                 |               |             |
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|   |  |  |  |                                       |  |                  |                 |               |             |
|   |  |  |  |                                       |  |                  |                 |               |             |

| ROJECT: 2           | 253568                                   | JOB:01           | REV:0 TYPE: UD  | NAME: ROLANDO BLK                          | 7G2 -T&C | JOB           | 1                  |            |                |            | 5             | STATUS: AC       | T WOE                   | RK ORDE              | R: 2960700   |
|---------------------|--|------------------|---|--|----------|---------------|--------------------|------------|----------------|------------|---------------|------------------|-------------------------|----------------------|--------------|
| SIGN: 01            |  |                  | D BLK 7G2 T&C JOB 1   |  | ATUS: AG |               |                    |            |                |            |               |                  |                         |                      |              |
| CATION:             | 435 SHEE                                 | ET: 01 1         | DISTRICT: CM DESIG  | NED BY: GEORGE BONN                        | ER       |               |                    |            |                |            | PHON          | WE: 999-99       | 99 1                    | LOCATIO              | N 435 OF 5   |
| RKI                 | ן די די די די די די די די די די די די די |                  | DESCRIPTION/C   | ONSTRUCTION NOTES                          | 1        | QTY  <br>BOD  | ן<br>תעו           | WRKI       | RSP            | TRT        | TRT           | STANDARD<br>PAGE | TYPE                    | HOURS                |              |
| -N                  | 3'HD-A                                   | I I              | HAND DIG TRENCH 3   | FT DEEP AVE                                | l        | 13            | FT                 | CI         | 1              | \$         | ¢             | G7453            | 3-WF3                   | 5.2                  |              |
| -N[<br>             | <br> BKF-3'<br>                          |                  | BACKFILL TRENCH 3 F   | OOT DEEP                                   |          | 13            | FT                 | CI         |                | S I        | С             | ŀ                | 3-WF3<br>  C-BC         | 0.21                 |              |
| <br> -N <br>        | <br>[                                    | 611492 <br>      | SHADE TRENCH WITH S<br>SAND, FILL RECYC                       | AND - 12 INCH WIDTH<br>LED MATLS PREFFERED |          | 1             | TŃ                 |            | с              | S          | C             | G7405<br>        | 3-WF3<br> C-BH<br> C-DT |                      |              |
| -N  <br>            | <br> 1DB3-S<br>                          | <br> 249664      | 1-3 IN DB CONDUIT S<br>CONDUIT DB 3 IN 2                      | EC<br>0 FT LENGTH                          |          | 13<br>13      | FT<br>FT           | C          | с              | S          | C<br>         | 3373.1<br>       |                         | 0.21                 | <del>_</del> |
| -N                  | R-XCES                                   | X300071          | EXCESS TRENCH SPOIL<br>DUMPING FEE                            | (12 IN DEEP)                               | 1        | 13<br>2       | FT<br>CY           | с          | с              | S          | C<br>         | I<br>1           | (C-DT<br> <br>          | i 0.31               |              |
| -N]                 | CC-2CT                                   | •                | CONCRETE 2 SAW CUT  | AND BREAK MECH                             |          | 13            | FT                 | Ċ          |                | S          | C             | I                | SR3AS                   | 0.5                  |              |
| <br>:N              | -  | i į              | FINISH CONCRETE SUR   | FACE MAN 12 IN                             |          | 13            | FT                 | с          | 1              | Ş          | [ C           | i i              | SR3CS                   | 0.1                  |              |
| [<br>[-N]<br>[<br>] | 1  | <br> X20201      | MACH DIG TRENCH 3<br>TRAFFIC BEARING S<br>ASPHALT, COLD MIX   | TEEL PLATE                                 | 1        | 13<br>10<br>1 | FT<br>  EA<br>  TN |            | <br>  C<br>  C | S<br> <br> | C<br> <br>    | G7453<br> <br>   | C-BC<br> C-BH<br>[3SWF4 | 0.51<br>0.51<br>1.01 |              |
| -N                  | E  | X30007           | DUMPING FEE   | DEPTH                                      |          | 13<br>4       | FT                 |            | i<br>I C       | S          | C<br>         | 1                | IC-DT                   |                      |              |
| []<br>[             | SLR-18<br>                               | 656400           | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SAC                       |  | 19 I     | 29<br>2       | FT<br>CY           | C          | i<br>i c       | S<br>      | l C<br>E      | G7409<br>        | 3-WF3                   | •                    |              |
| <br> -N <br> <br>   | 1EB3SL<br> <br>                          | 249664<br>656400 | 1-3 IN EB CONDUIT S<br>CONDUIT DB 3 IN 2<br>SLURRY MIX, 1 SAC | 0 FT LENGTH                                | 1        | 76<br>76<br>2 | FT<br>  FT<br>  CY | I C        | <br>  C<br>  C | S<br> <br> | 1 C<br>1<br>1 | 3376.1<br> <br>  |                         | 1.1 <br>             |              |
| 1<br>[-N <br> <br>  | 1-3SLB                                   | 322048           | 1-3 IN DB 90 D 36 I<br>BEND CONDUIT DB 3<br>SLURRY MIX, 1 SAC | 3 IN 90 D 36 IN R                          |          | 2<br>2<br>1   | EA<br> EA<br> CY   | C<br> <br> | <br>  C<br>  C | S<br> <br> | C<br> <br>    | 3373.2<br> <br>  | 3-WF3                   |                      |              |
| [-N]                | <br>  LN-S/U                             |                  | TC-LANE CLOSURE URE   | BAN STREET                                 |          |               |                    | l<br>l c   |                |            |               | -                | imab                    | 1 1 0                |              |
| [-N]                | <br> LN/S/S                              |                  | TC-LANE CLOSURE URE   | ST (STREET REPAIR)                         | ]        | 1             | EA                 | i c        |                | S          | c             | 1                | 1 TC4                   | 1 1.0                |              |
|                     | AC                                       |                  | EXIST TÀG NEW   |  |          |               |                    | CONS       |                |            |               |                  |                         |                      |              |

| DP001EM2-LO<br>09/05/17 11 | :36        |                  |                              | DPSS - DESIGN                              | GAS AND ELE<br>REVIEW COPY | CTRIC    | TAI       | Ĺ        |       |            |      |            |                              | Ρ.           | AGE NO   | 493 |
|----------------------------|------------|------------------|------------------------------|--|----------------------------|----------|-----------|----------|-------|------------|------|------------|------------------------------|--------------|----------|-----|
|                            | 3568       | JOB:01           |                              | UD NAME: ROLANDO                           | BLK 7G2 -Te                | C JOB    | 1         |          |       |            |      | STATUS: AC |                              |              |          | 700 |
| DESIGN: 01                 | NAME       | : ROLANI         | 00 BLK 7G2 T&C JO            | B 1  | STATUS: A                  |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              | DESIGNED BY: GEORGE                        | BONNER                     |          |           |          |       |            |      | NE: 999-99 |                              | LOCATIO      | N 436 01 | 587 |
| WRK <br> F-C MU ID         | AU ID      | STOCK#           | DESCRIPT                     | ION/CONSTRUCTION NC                        |                            |          |           | RSP      | RSP   | TRT        | TRT  | STANDARD   | TYPE                         | HOURS        |          |     |
| I-N                        | 3'HD-A     | J I              |                              | TH 3 FT DEEP AVE                           |                            |          |           | I C      | 1     | S          | С    |            | 3-WF3                        | 5.51         |          |     |
| [I-N]                      |            | i i              | BACKFILL TRENC               | H 3 FOOT DEEP                              |                            | 14       | FT<br>    | 1 C<br>1 |       | S  <br>    | С    | l<br>I     | 3-WF3<br> C-BC               | 0.21<br>0.21 |          |     |
|                            | 1          | <br> 611492 <br> | SAND, FILL                   | NITH SAND - 12 INCH<br>RECYCLED MATLS PREF | WIDTH<br>FERED             | 14<br>1  | TN<br>    | ic<br>I  | 1 C 1 |            | С    | G7405      | <br> 3-WF3<br> C-BH<br> C-DT | 1            |          |     |
| 1 1                        | 1          | [249664]         |                              | DUIT SEC<br>8 IN 20 FT LENGTH              |                            | 14<br>14 | FT        | i c<br>I | c     |            | С    | 3373.1<br> | <br> 3-WF3<br> <br>          | 0.2          |          |     |
|                            | R-XCES<br> | 1X30007          | EXCESS TRENCH<br>DUMPING FEE | SPOIL (12 IN DEEP)                         |                            | 14<br>2  | FT<br> CY | i C<br>I | c     | 5  <br>  5 | С    | <br>       | <br>  C-DT<br> <br>          | i i          |          |     |
| <br> IN                    |            | ]  <br> 1        |                              | LANDSCAPING                                |                            |          | <br>  FT  |          |       | <br>  S    |      |            | 1<br> 3-WF3                  |              |          |     |
| WORK FAC<br>FUNC CODE      |            |                  | EXIST TAG                    | NEW TAG                                    | SEE                        | SHT 6    |           | COŃS     | TRUC  | TION       | NOT: | ES         |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            |            |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |
|                            | •••        |                  |                              |  |                            |          |           |          |       |            |      |            |                              |              |          |     |

| DP001EM2-LOCAL40-001<br>09/05/17 11:36 | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COF                            | PY - DETAIL                     |                |               |                 | PAGE NO 494                            |
|--|---|---------------------------------|----------------|---------------|-----------------|--|
| PROJECT: 253568 JOB:01                 | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -I                                     | F&C JOB 1                       |                |               | T WORF          | CORDER: 2960700                        |
| DESIGN: 01 NAME: ROLANDO               | D BLK 7G2 T&C JOB 1 STATUS:   |                                 |                |               |                 |  |
|  | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                     |                                 |                | PHONE: 999-99 |                 | CATION 437 OF 587                      |
| IWRK I I                               | DESCRIPTION/CONSTRUCTION NOTES  | QTY    WRK <br>  RQD  UM RSP    | RSP TRT        | TRT PAGE      | [TYPE ]]        |  |
| I-N   330926   <br>       162690       | HAND HOLE 3309.2 37"X 26" X 26"<br>QUAZITE BOX 37"X26"26"                   | 1   EA                          | S<br>  C       | C 13309.2     | [35WF3]         | 0.81                                   |
| 1                                      |   | 1 EA  C  <br>  1 EA             | I I S<br>I C I | C  3309.2<br> |                 | 1                                      |
| I-N   1-3SLB   <br>     322048         | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R | 4 EA                            |                | C  3373.2     | 3-WF3           | ·                                      |
| <br> I-N  [PLANTU]                     | REMOVE/REPLACE LANDSCAPING  | 1 CY   <br>      1<br>  1 FT  C | 1 1            |               | <br> <br> 3-WF3 |  |
| WORK FAC<br>FUNC CODE DESC             | EXIST TAG NEW TAG   | CONSI<br>E SHT 6                | TRUCTION       | NOTES         |                 |  |
|  | · .   |                                 |                |               |                 |  |
|  |   |                                 |                |               |                 |  |
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|  | u   |                                 |                |               |                 |  |
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|  |   |                                 |                |               |                 |  |
|  |   |                                 |                |               |                 |  |

|                       |                      |   | DISTRICT: CM DESIG  |  |                |                    |                            |                 |          |                 | PHO        | NE: 999-99           | 99 J                     | LOCATIO           | N 438 OF 58 |
|-----------------------|----------------------|---|---|--|----------------|--------------------|----------------------------|-----------------|----------|-----------------|------------|----------------------|--------------------------|-------------------|-------------|
| IRK <br>F-C MU ID     | l<br> AU ID          | <br> STOCK#[                                    | DESCRIPTION/  | CONSTRUCTION NOT                                 |                |                    |                            |                 |          |                 |            | STANDARD             |                          |                   |             |
| [-N                   | AS-2CT               | 1   | ASPHALT 2 SAW CUT   | AND BREAK MECH                                   | 1              | 30                 | 1 FT I                     | C               | 1        | I S I           | c          | I                    | SR3AS                    | 0.81              |             |
| E-N                   | i.                   | i i   | ASPHALT BASE MECH<br>ASPHALT (BASE)   | H 18 IN  | <br> <br>      | 4                  | TN                         | i I             | <br>  C  | [ ]             |            | <br>                 | [SR4AL                   | 0.8               |             |
| 1<br> <br> <br>       | BH03XH<br> <br>      | [<br> X20201 <br> 114215                        | MACH DIG TRENCH 3<br>TRAFFIC BEARING 3<br>ASPHALT, COLD MIX   | STEEL PLATE                                      | <br> <br> <br> | 46<br>35<br>1      | EA<br>TN                   | C               |          | [S <br> <br>]   | С          | G7453<br>            | IC-BC<br>IC-BH<br>I3SWF4 | 1.8<br>1.8<br>3.7 |             |
| I-N[<br>[             | REM-3'               | <br>  1<br> X30007                              | TRENCH SPOIL 3 FT<br>DUMPING FEE  | DEPTH  | ]<br> <br>     | 46<br>12           | CY                         | i c             | i<br>  C | ] S             |            | <br>                 | C-DT                     | <br>[ 4.0 <br>[   |             |
| I-N <br>              | SLR-18               | i i   | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA  |  | DEEP           | 138<br>8           |                            | C<br>           | l<br>c   | S               | С          | G7409<br>            |                          | 0.3               |             |
| I-N <br> <br> <br>    | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT (<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN 3<br>SPACER INTERMEDIA<br>1 IN BASE SPACER | K (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY | Ì              | 46<br>1<br>46<br>8 | FT<br>CY<br>FT<br>EA<br>EA | C<br> <br> <br> |          | S<br> <br> <br> |            | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>      | 0.6 <br>   <br>   |             |
| I – N  <br> <br>      | 1-3SLB<br> <br>      | 322048 <br>  656400                             | 1-3 IN DE 90 D 36<br>BEND CONDUIT DE 3<br>SLURRY MIX, 1 SA  | 3 IN 90 D 36 IN                                  |                | 2<br>2<br>1        | EA<br>CY                   | i c<br> <br>    | C<br>C   | IS<br>I         | <br>[<br>] | 3373.2<br> <br>      | 3-WF3<br> <br>           | <br>  <b> </b>    |             |
| z-N                   | LN-S/U               |   | TC-LANE CLOSURE UR  | BAN STREET                                       | 1              | 1                  | EA                         | i c             | j        | 15              | i c        | ŀ                    |                          | 1.01              |             |
| I-N                   | <br> LN/S/S          | i i   | LANE CLOSURE URBAN  | ST (STREET REPA                                  | IR)            | 1                  | EA                         | i c             | Ì        | <br>  S<br>     |            | I                    | TC4                      | ]<br>  1.0 <br>   |             |
| Σ-N <br> <br>         | XING−U<br>           | i i   | TC-TRAFFIC CONDITION<br>ASPHALT, COLD MI  |  |                | 1<br>1             | FT<br>  TN                 | i c<br>I        | С        | ] S             | i C<br>I   | 1                    | ITC4                     |                   |             |
|                       | XING/S               |   | TRAFFIC COND. (XIN  | g lane) street b                                 | EPAIR ]        |                    |                            |                 |          |                 |            |                      | TC4                      | 0.1               |             |
| NORK FAC<br>FUNC CODE |                      |   | EXIST TAG NEW   | TAG  |                |                    | (                          | CONST           | TRUC     | TION            | NOT        | ES                   |                          |                   |             |
|                       |                      |   |   |  | SEE            | SHT 6              |                            |                 |          |                 |            |                      |                          |                   |             |

| 00 (05 (1       | 12-LOCAL40-00<br>7 11:36 |                                     |  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW (        | ELECTRIC<br>COPY - DE'              | TAII                       |            |            |             |                  |                  |                     | P.                     | AGE NÔ  | 496      |
|-----------------|--------------------------|-------------------------------------|--|--|-------------------------------------|----------------------------|------------|------------|-------------|------------------|------------------|---------------------|------------------------|---------|----------|
| PROJECT         | · 253568 .               | TOB-01                              | REV:0 TYPE: UD   | NAME: ROLANDO BLK 7G2                              | -T&C JOB                            | 1                          |            |            |             | 5                | STATUS: AC       | T WO                | RK ORDE                | R: 2960 | 700      |
| DESIGN:         |                          |                                     | O BLK 7G2 T&C JOB 1                                      |  |                                     |                            |            |            |             |                  |                  |                     |                        |         |          |
| LOCATIO         |                          |                                     |  | GNED BY: GEORGE BONNER                             |                                     |                            |            |            |             | PHOI             | NE: 999-99       | 99 :                | LOCATIO                | N 439 C | F 587    |
| WRK <br> F-C MU | 1                        |                                     |  | CONSTRUCTION NOTES                                 | Í OTY                               | UM                         | WRK<br>RSP | MAT<br>RSP | TIM<br> TRT | ACC<br>TRT       | STANDARD<br>PAGE | CREW<br> TYPE       | EST HOURS              |         |          |
| <b>I</b> -N[    | AS-2CT                   | ++<br>                              | ASPHALT 2 SAW CUT  | AND BREAK MECH                                     | 397                                 |                            |            |            |             |                  | [ · · · ·        | SR3AS<br>           | 10.3                   |         |          |
| <br> I-N <br>   | i                        | 114201                              | ASPHALT BASE MEC<br>ASPHALT (BASE)                       | H 24 IN  | 397<br>  15                         |                            |            | <br>  C    | -           | I C              | 1                |                     | 10.7 <br>              |         |          |
| I-N <br>  1     | I                        | <br> x20201                         | MACH DIG TRENCH 4<br>TRAFFIC BEARING<br>ASPHALT, COLD MI | STEEL PLATE  | 397<br>  397<br>  4                 | EA                         | -          | C          |             | 1                | G7453            | IС-ВС<br>IС-ВН      |                        |         |          |
| I-N             | REM-4 '                  |                                     | TRENCH SPOIL 4 FI<br>DUMPING FEE                         |  | 397<br>  135                        |                            |            | •          | S<br>  S    |                  |                  | <br> C-DT<br>       | 47.6                   |         |          |
| I-N             | SLR-24                   | 656400                              | BACKFILL SLURRY 24<br>SLURRY MIX, 1 SA                   | IN WIDE X 12 IN DEEP<br>ACK SAND                   | 89                                  |                            |            |            | S           | -                | G7409<br>        | 3-WF3<br> <br>      | 3.6                    |         |          |
|                 | 1EB3IN<br> <br> <br>     | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT  | IK (GRAVEL MIX)<br>20 FT LENGTH<br>HATE 5 IN 2-WAY | 397<br>  8<br>  397<br>  67<br>  67 | FT<br>CY<br>FT<br>EA<br>EA | с          |            | <br> <br>   | C<br>1<br>1      | 3376.1           | 3-WF3<br> <br> <br> | 5.6 <br>   <br>   <br> |         |          |
| I-N  <br>       | i                        | 322048                              |  |  | 2<br>  2<br>  1                     | EA<br>CY                   | С          |            | Ì           | <br>  C<br> <br> | <br> 3373.2<br>  | <br> 3-WF3<br> <br> | 0.1                    |         |          |
| <br> I-N        | i<br>  ln-s/u            | 1 1                                 | TC-LANE CLOSURE UF                                       | RBAN STREET  |                                     | EA                         | с          | 1<br>1     | 15          | l c              |                  |                     | 1.0                    | 1       | <u> </u> |
| <br> I-N        | <br> ln/s/s              | 1                                   | LANE CLOSURE URBAN                                       | I ST (STREET REPAIR)                               | 1                                   | EA                         | с          | 1          | S           | -                | Ì                | TC4                 | <br>  1.0              |         |          |
| <br> I-N        | <br>  PLANTU             | <br>                                | REMOVE/REPLACE LAN                                       | NDSCAPING  | l<br>I 10                           | FT                         | С          | I<br>I     | 5           | <br>  C          |                  | <br>  3—wf3         |                        |         |          |
| WORK<br>FUNC    | FAC                      |                                     | EXIST TAG NEW  |  |                                     |                            | CONS       | TRUC       | TION        | NOT              | <b></b><br>ES    |                     |                        |         |          |

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## CONSTRUCTION NOTES

\_\_\_\_\_

SEE SHT 5,6

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| ROJECT: 25     | 3568 3          | JOB:01                  | SAN DIEGO GAS ANI<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                      | -T&C JOE | 31                         |               |          |         |     | STATUS: A           | CT WOI                       | RK ORDE           | R: 2960700  |
|----------------|-----------------|-------------------------|--|----------|----------------------------|---------------|----------|---------|-----|---------------------|------------------------------|-------------------|-------------|
| ESIGN: 01      | NAME :          | ROLAND                  |  | IS: ACT  |                            |               |          |         |     |                     |                              |                   |             |
| DCATION: 4     | 40 SHEE         | ST: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |          |                            |               |          |         |     |                     |                              |                   | N 440 OF 58 |
| WRKI           | 1               | [                       | DESCRIPTION/CONSTRUCTION NOTES   | 1 OTY    | 1                          | เพรร          | IMAT     | і ттмі  | ACC | ISTANDARD           | ICREW                        | EST I             |             |
| I-N!           | 3'HD-A          | I I                     | HAND DIG TRENCH 3 FT DEEP AVE  | 24       | l [ FT                     | +<br>  C<br>  | 1        | 1 5 1   | С   | 1G7453              | 3-WF3                        | 9.1               |             |
| I-N]           | BKF-3'          | i i                     | BACKFILL TRENCH 3 FOOT DEEP  | 24       | i FT<br>I                  | i c<br>I      |          | S       | С   | 1<br>1              | 3-WF3<br> C-BC               | 0.4<br>0.4        |             |
| I–N  <br>]     | 1               |                         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 24       | <br>  FT<br>2   TN         | i c<br>I      | <br>  c  | S  <br> | с   | <br> G7405<br> <br> | <br> 3-WF3<br> C-BH<br> C-DT | 0.1               |             |
| r-n            | Ì               | 249664                  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 24       | I ] FT                     | i c<br>I      | с        | S       | с   | 3373.1              | i                            | 1 0.4[<br>] [     |             |
| [-N            | R-XCES          |                         | EXCESS TRENCH SPOIL (12 IN DEE?)<br>DUMPING FEE  | 24       | sic⊻                       | C<br>         | i c      | S       | с   | i<br>I<br>I         | <br> C-DT<br>                | 0.61              |             |
| I-N            | PLANTU          | i i                     | REMOVE/REPLACE LANDSCAPING   | 1 24     |                            | i c           |          | S       | с   | İ                   | 3-WF3                        | 2.4               |             |
| Σ-N <br>[<br>[ |                 |                         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  |          | B EA                       | ( C<br> <br>  | •        | IS      | C   | [G7453<br>[<br>[    | <br> C-BC<br> C-BH<br> 3SWF4 | 0.41              |             |
| [-N]           | REM-3 '         | x30007 i                | TRENCH SPCIL 3 FT DEPTH<br>DUMPING FEE   | i 10     | BİCY                       | i c           | <br>  C  |         |     | Ì                   | <br> C-DT<br>                | i 0.9             |             |
| 1<br>-N [<br>t | SLR-18          |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 30     | <br>) FT<br>2 CY           | i c           | i<br>i c | 15      | [   | IG7409              | <br> 3-wf3<br>               | 0.1               |             |
| [-N]<br>[      | leb3sl<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX. 1 SACK SAND            |          | )   FI<br>)   FI<br>L   CY | i c<br>I<br>I |          | S       | C   | 3376.1<br> <br>     | 3-WF3<br> <br>               | i 0.1 <br>   <br> |             |
| -N  <br> <br>  | 1-3SLB<br> <br> | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |          | L I EA<br>L I CY           | .i c<br>.i    | j c      | 1 5 1   | -   | 13373.2<br>1        | I<br>I                       | 0.1 <br>          |             |
|                | !LN-S/U         |                         | TC-LANE CLOSURE URBAN STREET   | i :      |                            | i c           |          | s       | с   | 1                   | I TC3                        | 1.0               |             |
|                | <br>  LN/S/S    |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |          | I<br>LIEA                  |               |          | S       | c   |                     | <br>  TC4                    | <br>  1.0         |             |

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| DP001EM2-LC<br>09/05/17 11 | :36             | )1           |                |          |                  |        | DESIGN  | ) GAS ANI<br>N REVIÊW |            | - DET   | TAIL         |      |         |      |      |                  |        |         | AGE NO 498   |
|----------------------------|-----------------|--------------|----------------|----------|------------------|--------|---------|-----------------------|------------|---------|--------------|------|---------|------|------|------------------|--------|---------|--------------|
| PROJECT: 25                | 3568            | JOB:01       | REV:0          | TYPE:    | UD               | NAME : | ROLANDO | BLK 7G                | 2 -T&      | с јов   | 1            |      |         |      |      |                  | T WO   | RK ORDE | R: 2960700   |
| DESIGN: 01                 | NAME            | ROLANI       |                | 2 T&C JO | в 1              |        |         | STATU                 | JS: A      | СT      |              |      |         |      |      |                  |        |         | •••          |
| LOCATION: 4                | 41 SHE          | ET: 01       | DISTRICT       | : CM     | DESIGN           |        |         |                       |            |         |              |      |         |      | PHON | VE: 999-99       | 99 1   | LOCATIO | N 441 OF 587 |
| WRK <br> F-C MU ID         | I<br>IAU ID     | <br>  STOCK# |                | DESCRIPT | ION/CC           | NSTRUC | TION NO | TES                   | l          | RQD     | UM           | RSP  | RSP     | TRT  | TRT  | STANDARD<br>PAGE | TYPE   | HOURS   |              |
| 1 [                        | 330926<br>      | <br> 162690  | HAND H<br>QUAZ | OLE 3309 | .2 37"           | X 26"  | X 26"   |                       | +<br> <br> | 1<br>1  | EA<br>EA     | C    | <br>  c | S    | С    | 3309.2           | 3SWF3  | 0.81    |              |
|                            | X09H26<br>      | 162690       | INSTAL<br>QUAZ | L EXCAVA | TION/B<br>37"X26 | EMOVE  |         |                       | 1          | 1<br>1  | ÉA  <br>  EA | С    | I C I   | S    | C    | 3309.2           | 135WE3 | 0.81    |              |
|                            | 1-3SLB<br> <br> | 322048       | 1-3 IN<br>BEND | CONDUIT  | DB 3             | IN 90  |         |                       |            | 3<br>3  | EA           | ¢    |         | S    | C I  | 3373.2           |        | 0.2     |              |
| i i                        | <br>  plantu    |              | REMOVE         |          |                  |        | ;       |                       | i<br>1     |         | i - I        |      |         |      | l    |                  | 1      | I I     |              |
| WORK FAC<br>FUNC CODE      |                 |              | EXIS           | T TAG    | NEW 1            | CAG    |         |                       | SEE        | SHT 6   |              | CONS | rruc'i  | eion | NOTI | 5S               |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       | _          |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            | <u></u> |              |      |         |      |      |                  |        |         |              |
| ·                          | · · ·           |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  | · · •  |         |                       |            |         |              |      |         |      |      |                  | -      | •       |              |
|                            | <u></u>         |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  | ·      |         |              |
|                            |                 |              |                |          |                  |        | ·····   |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         | <u></u>      |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         | - 11                  |            |         |              |      |         |      |      |                  |        |         | ·            |
| <u></u> .                  |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |
|                            |                 |              |                |          |                  |        |         |                       |            |         |              |      |         |      |      |                  |        |         |              |

| ROJECT: 25         | 3568 3                    | JOB:01  | REV:0                                     | TYPE:                                     | : UD                                 | NAME :                                       | ROLANDO               | BLK 7G2 | -T&C JOH | 3 1                                   |                   |         |                        | S                      | STATUS: A                             |                          |         | R: 2960700   |
|--------------------|---------------------------|---|---|---|--------------------------------------|--|-----------------------|---------|----------|---------------------------------------|-------------------|---------|------------------------|------------------------|---------------------------------------|--------------------------|---------|--------------|
| SIGN: 01           |                           |   |   |   |                                      |  |                       |         | S: ACT   |                                       |                   |         |                        |                        |                                       |                          |         |              |
| CATION: 4          |                           | ET: 01  | DISTRICT:                                 | CM  | DESIG                                | SNED BY:                                     | GEORGE                | BONNER  |          |                                       |                   |         |                        | PHON                   | VE: 999-9                             | 999 :                    | LOCATIO | ON 442 OF 58 |
| RK:<br>            |                           |   |   |   |                                      |  |                       |         | QTY      | 1 1                                   |                   | 1AT   1 | CIM   Z                | ACCI                   | STANDARD<br>PAGE                      | CREW                     |         |              |
| -N  <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | +<br>     <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN<br>CONCR<br>CONDU<br>SPACE<br>1 IN | EB CONI<br>ETE - 2<br>NIT DB 3<br>R INTER | DUIT (<br>2 SACH<br>3 IN 2<br>RMEDIA | CONC ENC<br>K (GRAVE<br>20 FT LE<br>ATE 5 IN | C<br>CL MIX)<br>ENGTH |         |          | ++<br>2 CY <br>3 FT <br>3 EA <br>3 EA | C  <br> <br> <br> |         | S  <br> <br> <br> <br> | +<br>C  <br> <br> <br> | 3376.1                                | 3-WF3<br> <br> <br> <br> | 1.4     |              |
| $-\mathbf{N}$      | 1-35LB<br> <br>           | 322048[<br> 656400]                                       | 1-3 IN<br>BEND                            | CONDUIT<br>Y MIX,                         | T DB 3                               |  | D 36 IN               |         |          | 2   EA ]                              | СІ                | 1       |                        | C                      | 3373.2                                | i i                      | 0.1     |              |
| ORK FAC            |                           |   |   |   | NEW                                  | TAG  |                       |         |          |                                       | CONSTR            | RUCTI   | ION 1                  | NOTE                   | <br>ES                                |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         |          |                                       |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      | <del>_</del>                                 |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5<br>                                 |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | <br>                                  |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5<br><br>                             |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5<br><br>                             |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5<br><br>                             |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      | · · · · · · · · · · · · · · · · · · ·        |                       |         | SEE SHT  |                                       |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  |                                       |                   |         |                        |                        | ·····                                 |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  |                                       |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | <br>                                  |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   | · · · · · · · · · · · · · · · · · · ·     |   |                                      |  |                       |         | SEE SHT  | 5<br>                                 |                   |         |                        |                        | · · · · · · · · · · · · · · · · · · · |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |
|                    |                           |   |   |   |                                      |  |                       |         | SEE SHT  | 5                                     |                   |         |                        |                        |                                       |                          |         |              |

| DF001EM2-LO0<br>D9/05/17 11: | :36             | )1                                      |   | SAN<br>DPSS -        |          | AS AND EI<br>EVIEW COM | PY - DE      | TAIL       |       |          |         |      |                  |           | P.            | AGE NO 500   |
|------------------------------|-----------------|---|---|----------------------|----------|------------------------|--------------|------------|-------|----------|---------|------|------------------|-----------|---------------|--------------|
| PROJECT: 253                 | 3568            |   | REV:0 TYPE:                                     |                      |          |                        |              |            |       |          |         |      |                  |           |               | R: 2960700   |
|                              | NAME            | ROLANE                                  | O BLK 7G2 T&C JOB                               | 1                    |          | STATUS:                | ACT          |            |       |          |         |      |                  |           |               | <b></b>      |
| OCATION: 4                   |                 |   | DISTRICT: CM D                                  |                      |          |                        |              |            |       |          |         | PHON | 1E: 999-99       | 99 1      | LOCATIO       | N 443 OF 587 |
|                              | AU ID           | STOCK#1                                 | DESCRIPTI                                       |                      |          |                        | RQD          | [ UM [     | ŔSP   | RSP!     | TRT     | TRT  | STANDARD<br>PAGE | TYPE      | HOURS         |              |
| I-N                          | 330926<br>      | <br> 162690                             | HAND HOLE 3309.<br>QUAZITE BOX 3                | 2 37" <u>x</u> 26" x |          |                        | 1            | EA<br>EA   | С     | 1<br>  C | Ś  <br> | С    | 3309.2           | 35WF3<br> | 0.8           |              |
| I-N                          | X09H26<br>      | 162690                                  | INSTALL EXCAVAT<br>QUAZITE BOX 3                |                      |          |                        | 1<br>  1     | EA<br>EA   | С     | ci       | S [     | CI   | 3309.2           | 1         | [ 0.8]<br>[ ] |              |
|                              | 1-35LB<br> <br> | 322048 <br> 656400                      | 1-3 IN DB 90 D<br>BEND CONDUIT<br>SLURRY MIX, 1 | DB 3 IN 90 I         |          | L                      |              | EA <br> CY | C     |          | S I     | С    | 3373.2           | [<br>[    | 0.2           |              |
|                              | <br>  PLANTU    |   | REMOVE/REPLACE                                  | LANDSCAPING          |          |                        |              |            |       |          |         |      |                  |           | 0.1 <br>  0.1 |              |
| WORK FAC<br>FUNC CODE        |                 |   | EXIST TAG                                       | NEW TAG              |          | 677                    |              |            | CONST | IRUCI    | IÓN     | NOTE | S                |           |               |              |
|                              |                 |   | ·   |                      | ··       | SEI                    | S SHT 6      |            |       |          |         |      |                  |           |               | ±            |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          |                        | -            |            | ····  |          |         |      |                  |           |               |              |
|                              |                 |   | ······································          |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      | -        |                        |              |            |       | -        |         |      |                  |           |               |              |
| <u></u>                      |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   | · •••   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          | ,-                     |              |            |       |          |         |      |                  |           |               | <u> </u>     |
|                              |                 |   |   |                      | <u> </u> |                        |              |            |       |          |         |      | - · · · ·        |           |               |              |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          |                        | <del>_</del> |            |       |          |         |      | -                |           |               |              |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               |              |
|                              |                 |   |   |                      |          |                        |              |            |       |          |         |      |                  |           |               | ·=· · ··     |
|                              |                 | · · · • · · · · · · · · · · · · · · · · |   |                      |          |                        |              |            |       |          |         |      |                  |           |               | <u></u> .    |

| ROJECT: 23        | 53568           | JOB:01                   | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2         | -T&C JOB            | 1                    |             |                 |                |            | STATUS: AC           | T WO                    | RK ORDE        | R: 2960700  |
|-------------------|-----------------|--------------------------|---|---------------------|----------------------|-------------|-----------------|----------------|------------|----------------------|-------------------------|----------------|-------------|
|                   |                 |                          | D BLK 7G2 T&C JOB 1 STATUS  | : ACT               |                      |             |                 |                |            |                      |                         |                |             |
|                   |                 |                          | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                     |                      |             |                 |                |            |                      |                         |                | N 444 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID      | <br> stock#              | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD        | I UM                 | WRK<br> RSP | MAT<br>  RS P   | TIM]<br> TRT   | ACC<br>TRT | STANDARD<br>  PAGE   | CREW<br> TYPE           | EST  <br>HOURS |             |
| I-N               | 3'HD-A          | I I                      | HAND DIG TRENCH 3 FT DEEP AVE   | 17                  | ] FT                 | ιc          | 1               | S              | С          | G7453                | 3-WF3                   | 6.6            |             |
| I-N               | BKF-31          |                          | BACKFILL TRENCH 3 FOOT DEEP   |                     |                      | [ C<br>[    | 1               | S              | С          | I                    | 3-WF3<br> C-BC          | 0.30           |             |
| I-N <br> <br>     | SHD-12<br> <br> | <br> 611492 <br>  [      | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | [ 1                 | FT<br>  TN<br>       | C<br> <br>  | <br>  C<br>     | S  <br>   <br> | С          | G7405<br> <br>[      | C-BH<br>C-DT            | 0.1            |             |
| I-N               |                 | <br> 249664 <br>         | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | i 17<br>I 17        | <br>  FT<br>  FT<br> | іс<br>1     | i<br>I C        |                | С          | <br> 3373.1<br> <br> |                         | 0.31           |             |
| I-N               | 1083SB<br>      | <br> 322048(<br>         | 1-3 IN DE 90 D 36 IN R BEND SEC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R                        | 1                   | EA                   | C<br>       |                 |                | С          | 3373.2               | 13-WF3                  |                |             |
| Σ-N <br>[         | R-XCES          | i ji                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 17                |                      | i c         | l<br>C          | ្រេ            |            | <br>                 |                         | [ 0.4]         |             |
| I-N[              |                 | i i                      | REMOVE/REPLACE LANDSCAPING  | 1 17                | FT                   | i c         | 1               | S              |            | 1                    |                         | 1.7            |             |
| I-N               | BH03XH          | <br> X20201 <br> 114215  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 4<br>  1            | [ EA<br>[ TN         | i i         | C               | S  <br>        | С          | G7453<br>1<br>1      | C-BC<br> C-BH<br> 3SWF4 | 0.2            |             |
| I-NI              | REM-3'          |                          | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 5                   | [<br>[FT<br> CY<br>[ | i c<br>I    |                 | S              |            | 1                    | <br> C-DT<br> <br>      | 0.4            |             |
| I-N               | ISLR-18         | i i                      | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | i 5<br>i 1          |                      | i c         | l c             | 5              | C          | IG7409               | <br> 3-WF3<br> <br>     |                |             |
| I-N<br>[<br>[     | 1EB3SL<br> <br> | <br> 249664 <br> 6564001 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | ) 15<br>  15<br>  1 | ET<br>  ET<br>  CY   | C<br> <br>  | 1<br>1 C<br>1 C | S  <br>   <br> | С          | 3376.1<br> <br>      | 3-WF3                   | 0.2            |             |
| I-N[              | iln-s/u         |                          | TC-LANE CLOSURE URBAN STREET  | i 1                 |                      | i c         | 1<br>1          | ្ទ             | С          | İ                    | TC3                     | 1.0            |             |
| [<br>I-N[         |                 | 1 1                      | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1                   | <br>  EA             |             |                 | <br>] \$       |            |                      | <br> TC4                | • •            |             |
| WORK FAG          | -               |                          | EXIST TAG NEW TAG   |                     |                      |             |                 | TION           |            |                      |                         |                |             |

| ROJECT: 2         | 53568 0     | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB          | 1                |              |            |            | 5          | STATUS: AC       | T WO                     | RK ORDE                 | R: 2960700  |
|-------------------|-------------|-------------------------|--|-------------------|------------------|--------------|------------|------------|------------|------------------|--------------------------|-------------------------|-------------|
| ESIGN: 01         | NAME :      | ROLAND                  | D BLK 7G2 T&C JOB 1 STATUS   | : ACT             |                  |              |            |            |            |                  |                          |                         |             |
|                   |             |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                  |              |            |            | PHOI       | TE: 999-99       | 99                       | LOCATIC                 | N 445 OF 58 |
| WRKI<br>F-CIMU ID | I<br>AU ID  |                         | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD      | UM               | RSP          | RSP        | TRT]       | TRT        | STANDARD<br>PAGE | TYPE                     | HOURS                   |             |
| I−N               | 3'HD-A      | <br>                    | HAND DIG TRENCH 3 FT DEEP AVE  | 1 32              | FT               | с            |            | S          | С          | G7453            | [3-WF3                   | 12.0                    |             |
| i                 | i           | i 1<br>1 1              | BACKFILL TRENCH 3 FOOT DEEP  | 32                | FT               |              |            | S          | с          |                  | 3-WF3<br> C-BC<br>       | 0.5 <br>  0.5           |             |
| I – N I<br>I      | I           | 611492                  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 2                 | TN               |              | С          | S          | С          | G7405            | 3-WF3<br> C-BH<br> C-DT  | 0.1 <br>  0.1 <br>  0.1 |             |
| [-N <br>          | 1           | 2496641                 | 1-3 IN DE CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 32<br>  32        | FT               | ¢            |            | S          | C          | 3373.1           |                          | 0.5 <br>                |             |
| [-N <br>          | R-XCES      | X30007                  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 32                | FT<br>  CY       | c            | С          | S          |            |                  |                          | 0.81                    |             |
| I-N               | ICC-2CT     |                         | CONCRETE 2 SAW CUT AND BREAK MECH  | ,                 | FT               |              |            | s          |            |                  |                          | 1.3                     |             |
| [-N]              |             | i i                     | FINISH CONCRETE SURFACE MAN 12 IN  | 32                |                  | i c          |            | 5          | i c        |                  | SR3CS                    | 1 0.1                   |             |
| I-N <br> <br>     |             | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 8<br>  1          | EA<br>TN         |              | i c<br>I C | [ S<br>[   | C<br> <br> | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4  | 0.4 <br>  0.4 <br>  0.8 |             |
| <br> -N <br>      | REM-3 '<br> | X300071                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 10<br>  3         | FT<br>  CY       |              | ¢          | l<br>IS    | i c        | 1                | ]<br>  CDT<br>           | 0.9                     |             |
| I-N]              | SLR-18      | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 30<br>  2         | FT<br>  CY       | İ            | <br>  C    |            | c          | G7409            | <br> 3-WF3<br> <br>      | 1                       |             |
| I–N  <br> <br>    | 11EB3SL     | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 10<br>  10<br>  1 | FT<br>FT<br>CY   | i c<br> <br> |            | S<br> <br> | C<br> <br> | 3376.1<br> <br>  | 3-WF3<br> <br>           | 0.1                     |             |
| <br>       <br>   | 1-3SLB      | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX. 1 SACK SAND |                   | EA<br> EA<br> CY | 1            |            | 1          |            | 3373.2<br>       | <br> 3-wf3<br> <br> <br> | 0.1 <br>                |             |
| !<br>[-N]         | LN-S/U      |                         | TC-LANE CLOSURE URBAN STREET   | j 1               | EA               |              | l          | S          |            | j                | TC3                      | 1.0                     |             |
| <br>[-N           | <br> LN/S/S |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  | <br>  1           |                  |              |            |            | <br>  c    | 1                | <br> TC4                 |                         |             |
| IORK FA           |             |                         | EXIST TAG NEW TAG  |                   |                  | CONG         |            | TION       | NOT:       |                  |                          |                         |             |

Block 7G2 UUP Attachment E – Technical Specifications

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|                |                 |                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  |                    |                    |               |               |             |     |                    |                         |                               | R: 2960700  |
|----------------|-----------------|-------------------------|---|--------------------|--------------------|---------------|---------------|-------------|-----|--------------------|-------------------------|-------------------------------|-------------|
| SIGN:          | 01 NAME         | : ROLAND                |   | S: ACT             |                    |               |               |             |     |                    |                         |                               |             |
| CATION         | : 446 SHE       |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                    |                    |               |               |             | PHO | NE: 999-9          | 99                      | LOCATIO                       | N 446 OF 58 |
| rrk <br>?-c mu | ID  AU ID       | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES  | ROD                | I UM               | RSP           | RSP           | TRT         | TRT | STANDARD<br>  PAGE | TYPE                    | HOÙRS                         |             |
| ī−N[           | 3'HD-A          | i i                     | HAND DIG TRENCH 3 FT DEEP AVE   | 8                  | FT                 | I C           | I             | S           | С   | G7453<br>          | (3-WF3                  | 3.4                           |             |
| (-N <br>       | BKF-3'          | i i<br>I I              | BACKFILL TRENCH 3 FOOT DEEP   | i 8                | FT<br>             | I C           | <br>          | i s<br>I    | с   | i<br>f             | 3-WF3<br> C-BC          | 0.1                           |             |
| -N             | ]               | <br> 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | i 8<br>i 1         | FT<br>  TN<br>  TN | C<br>         | l             | I S         |     | i                  | 3-WF3<br> C-BH<br> C-DT |                               |             |
| -N <br>        | 1DB3-S          |                         | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | [ 8                | FT                 |               | [<br>[<br>[ C | i ŝ<br>I    | с   | <br> 3373.1<br>    |                         |                               | <u> </u>    |
|                | R-XCES          | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 8<br>i 1         | <br> FT<br> CY<br> | 1 C<br>1      |               | IS          | с   | i                  | •                       | 0.2                           |             |
| ī−n[           | plantu          | İ                       | REMOVE/REPLACE LANDSCAPING  | •                  |                    | 1<br>] Ċ      | 1             | IS          | с   | ſ                  | 3-WF3                   | 0.8                           |             |
| I-NI<br>1      | [               | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHÖE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 1 4                | EA<br> TN          | 1             | i c<br>i c    | S           |     | [G7453<br>[        | C-BC<br> C-BH<br> 3SWF4 | <br>  0.2 <br>  0.2 <br>  0.4 |             |
| [-N <br>       | REM-3'          | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                    | <br> FT<br> CY     |               |               | <br>  S<br> | I C | 1                  |                         | , ,                           |             |
| [-N <br>]      | SLR-18          |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 1                  | CY                 | 1             | i c           | 1           | i   | [G7409             | <br> 3-WF3<br>          |                               |             |
| I-N1           | E               | 249664 <br> 6564001     | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 15<br>  15<br>  15 | FT<br> CY          | i C<br>1<br>1 | t C<br>I C    | S<br> <br>  | C   |                    | 1                       |                               |             |
| 1-N]           | i<br>iln-s/d    | i i                     | TC-LANE CLOSURE URBAN STREET  | ( 1                | EA                 | C             | Ī             | <br>  S     | с   | i                  | I<br>TC3                | 1.0                           |             |
| 1<br>[-N]      | ,               |                         | LANE CLOSURE URBAN ST (STREET REPAIR)   |                    | <br> EA            | <br>  C       |               | <br>  S     |     |                    |                         | 1.0                           |             |
|                | FAC<br>ODE DESC |                         | EXIST TAG NEW TAG   |                    | (                  | CONS          | IRUC          | TION        | NOT | ES                 |                         |                               |             |
|                |                 |                         |   | SEE SHT 6          |                    |               |               |             |     |                    |                         |                               |             |

| ROJECT: 25         | 3568 .          | JOB:01           | SAN DIEGO GAS AN<br>DPSS ~ DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                                   | 2 -T&C JOB      | 1                |              |                |            | 5        | STATUS: A       | CT WOR                       | RK ORDE                 | R: 2960700                             |
|--------------------|-----------------|------------------|---|-----------------|------------------|--------------|----------------|------------|----------|-----------------|------------------------------|-------------------------|--|
|                    | NAME            | ROLAN            | DO BLK 7G2 T&C JOB 1 STAT   | US: ACT         |                  |              |                |            |          |                 |                              |                         |  |
| CATION: 4          |                 |                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                 |                  |              |                |            |          |                 | 999 1                        | LOCATIO                 | N 447 OF 58                            |
| NRK1<br>F-CIMU ID  | <br> AU ID      | <br>  STOCK#     | DESCRIPTION/CONSTRUCTION NOTES  | 1 000           | 1                | TIPK         | IMATI          | TTM        | ACC      | ISTANDARD       | CREW<br> TYPE                | EST  <br> HOURS         |  |
| I <b>—</b> N∣      | 3'HD-A          | 1                | HAND DIG TRENCH 3 FT DEEP AVE   | 25              | FT               | 1 C          | 1 1            | S          | С        | G7453           | 3-WF3                        | 9.5                     |  |
|                    | <br> BKF-3'<br> | Ì                | BACKFILL TRENCH 3 FOOT DEEP   | [ 25            | •                | i c          | i i            | S          | С        | i<br>t          | 3-WF3<br>  C-BC              | 0.4                     |  |
| I —N  <br> <br>    |                 |                  | <pre>1 SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED 1</pre>                         | 2               | Í.               | 1            |                | s          |          | G7405<br>       | <br> 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 |  |
| E-N                | Ì               | 249664           | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH   | 25<br>  25      | FT<br>FT         | i c<br>I     | C              | Ì          |          | <br> 3373.1<br> | <br> 3-WF3<br>               | 0.4                     |  |
| I-N <br>           | IR-XCES         | X30007           | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE   | i 25<br>1 3     |                  | i c<br>I     |                |            |          | 1               | C-DT                         | 0.61                    |  |
| I-N]               | PLANTU          |                  | REMOVE/REPLACE LANDSCAPING  | i 25            |                  | l C          | l<br>l         | S          | ί¢       | ,               | 13-WF3                       | 2.5                     |  |
| i<br>I-N <br> <br> | 1               | 1<br>  X20201    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                             | 5<br>  4<br>  1 | FT<br>EA         | i c<br> <br> | i č<br>i c     | 1          |          | G7453<br> <br>  | C-BC<br> C-BH<br> 3SWF4      | 0.21<br>0.21            | <u> </u>                               |
| I-N  <br>          | REM-3'          | X30007           | TRENCH SPOIL 3 FT DEPTH   | i 5             | CY               | [ C<br>      |                |            | C I      | l               | <br> C-DT<br>                | 1 0.4<br>[ 1            |  |
| <br> -N            | SLR-18          | 656400           | ! BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>91 SLURRY MIX, 1 SACK SAND   | 1               | <br>  FT<br>  CY | 1 C<br>1     | I<br>I C       |            |          | G7409<br>       | •                            |                         | ······································ |
| I–N <br> <br>      | ileb3sl         | 249664           | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND                       | 5<br>  5        | IFT<br>ICY       | ; c<br> <br> | i c<br>i c     | i          | i c<br>I | 3376.1<br> <br> | 3-WF3<br> <br> <br>          | 0.1 <br>   <br>         | • <i>i</i>                             |
| IN ]<br> <br>      |                 | 321878<br>656400 | 1<br>1 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>3 BEND CONDUIT DB 3 IN 45 D 36 IN R<br>3 SLURRY MIX, 1 SACK SAND | j 1<br>j 1      | EA<br> CY        |              | <br>  C<br>  C | S<br> <br> | i c<br>I |                 | 3-WF3<br> <br>               | j 0.1                   |  |
| 1-N                | LN-S/U          |                  | <br>  TC-LANE CLOSURE URBAN STREET  | i 1             |                  | i c          | 1              | S          | C C      | 1 .<br>1        | TC3                          | 1.0                     | <del></del>                            |
| <br>1-N            | <br> LN/S/S     |                  | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   |                 | I<br>LEA         | .  C         | •              | S          |          | I<br>I          |                              |                         |  |

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|                   |                 | JOB:01                  | REV:0 TYPE: UD   | SAN DIEGÓ GAS AND<br>DPSS - DESIGN REVIEW C<br>NAME: ROLANDO BLK 7G2 | -T&C JOB | 1                        |      |        |     |         |                  |                      |                     | R: 2960700  |
|-------------------|-----------------|-------------------------|--|--|----------|--------------------------|------|--------|-----|---------|------------------|----------------------|---------------------|-------------|
|                   | NAME            | : ROLANE                | 0 BLK 7G2 T&C JOB 1                                      | STATUS   |          |                          |      |        |     |         |                  |                      |                     |             |
|                   | 48 SHEI         | ET: 01                  |  | GNED BY: GEORGE BONNER   |          |                          |      |        |     | PHON    | Æ: 999-99        | 99 1                 | LOCATIO             | N 448 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID      | <br>  STÓCK# [          | DESCRIPTION/   | CONSTRUCTION NOTES   | RQD      | UM                       | RSPI | RSP    | TRT | TRT     | STANDARD<br>PAGE | TYPE                 | HOURS               |             |
| I-N[              | 3'HD-A.         |                         | HAND DIG TRENCH 3  | FT DEEP AVE  | 24       | FT                       | СІ   | 1      | SI  | СІ      | G7453            | 13-WF3               | 9.1                 |             |
| I-N:<br>1         | BKF-3 '         | i i<br>I i              | BACKFILL TRENCH 3  | FOOT DEEP  | 1 24     | FT                       |      | 1      | SI  |         |                  | 3-WF3<br> C-BC       | 0.4                 |             |
| ]<br>I–N  <br>    | SHD-12<br> <br> | 611492                  | SHADE TRENCH WITH S<br>SAND, FILL RECY                   |  |          | TN                       | С    |        |     |         | G7405            | C-BH<br>  C-DT       | 0.1 <br>0.1 <br>0.1 |             |
| I-N <br>          | 1               | <br> 249664             | 1-3 IN DB CONDÚIT<br>CONDUIT DB 3 IN 3                   | SEC<br>20 FT LENGTH  |          | FT  <br>  FT             |      |        |     | i c i   | 3373.1           | i                    | 0.41                |             |
| ∑-N <br>          | R-XCES          | <br> <br> X30007 <br>   | EXCESS TRENCH SPOI<br>DUMPING FEE                        | L (12 IN DEEP)   |          | FT <br> CY               | с    | С      |     |         |                  | <br> C-DT<br>        | 0.61                |             |
| I-N               | 1 PLANTU        | i i                     | REMOVE/REPLACE LAN                                       | DSCAPING   | 24       | FT                       | С    |        | S   | i c i   |                  | 3-WF3                | 2.4                 |             |
| I-N <br> <br>     | 1               | <br> X20201 <br> 114215 | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI | STEEL PLATE<br>X   | 6<br>1   | FT<br>EA<br>TN           | -    | с<br>с |     | C  <br> | G7453            | C-BH<br> 3SWF4       | 0.3                 |             |
| I-N <br>          | Ì               | ]X30007                 | TRENCH SPOIL 3 FT<br>DUMPING FEE                         | DEPTH  | 7        |                          | C    | С      |     | ¢       |                  | [<br> C-DT<br>       | 0.6 <br>            |             |
| I-N <br>          | SLR-18          | 1656400                 | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                   | IN WIDE X 12 IN DEEP<br>CK SAND                                      | •        | FT  <br>  CY             | с    |        | S   |         | G7409            | <br> 3-WF3<br> <br>1 | <br>                |             |
| <br> -N <br> <br> | 1EB3SL<br>      | 249664                  | 1-3 IN EB CONDUIT<br>CONDUIT DB 3 IN<br>SLURRY MIX, 1 SA | 20 FT LENGTH   | 1 7      | FT<br>  FT<br>  CY       |      | c      | S   |         | 3376.1           | 3-WF3<br> <br>       |                     |             |
| I-N               | 1-3SL8<br> <br> | <br> 321878<br> 656400  | 1-3 IN DB 45 D 36  | IN R BEND SLURRY ENC<br>3 IN 45 D 36 IN R                            | 1 1      | <br>  EA<br>  EA<br>  CY |      | C<br>C | S   | C       | 3373.2           | 3-WF3<br> <br>       | I  <br>I            |             |
| I-N!              | • • • • • • •   | i                       | <br>  TC-LANE CLOSURE UR                                 | BAN STREET   | 1        | l<br>[EA                 | с    | l      | S   | l c     |                  | <br> TC3             | 1.0                 |             |
| •                 | <br> LN/S/S     |                         | <br>  LANE CLOSURE URBAN                                 | ST (STREET REPAIR)   |          | l                        |      |        |     |         |                  | <br>  TC4            | I                   |             |

| P001EM2-L0       | :36         |            |                  |          | D               | PSS - D | DIEGO (<br>DESIGN 1 | REVIEW   | COPY   | - DET  | AII        |      |      |     |         |                  |                  | P.        | AGE NO 506   |
|------------------|-------------|------------|------------------|----------|-----------------|---------|---------------------|----------|--------|--------|------------|------|------|-----|---------|------------------|------------------|-----------|--------------|
| OJECT: 25        | 3568 J      | OB:01      | REV:0            | TYPE: 1  | UD N            | AME: RC | LANDO I             | BLK 7G2  |        |        |            |      |      |     |         | STATUS: AC       | T WOR            | RK ORDE   | R: 2960700   |
| SIGN: 01         | NAME :      | ROLAND     | O BLK 7G2        | T&C JOB  | 1               | <b></b> |                     |          | JS: AC |        | ·          |      |      |     |         |                  |                  |           |              |
| CATION: 4        |             |            | DISTRICT:        |          |                 | D BY: G | EORGE               | BONNER   |        |        |            |      |      |     | PHON    | Æ: 999-99        | 99 1             | LOCATIO   | N 449 OF 587 |
| RK <br>C-C MU ID | AU ID       | STOCK#     | E                | ESCRIPTI | ON/CON          | STRUCTI | ON NOT:             | ES       | 1      | RQD    | UΜ۱        | RSP  | R\$₽ | TRT | TRT     | STANDARD<br>PAGE | TYPE             | HOURS     |              |
| N                | 330926 <br> | <br>162690 | HAND HC<br>QUAZI | LE 3309. | 2 37 <b>"</b> X | 26" X   |                     |          | [<br>[ | 1      | EA  <br>EA | C    | c    | S   | C  <br> | 3309.2           | 3SWF3            | 0.8       |              |
| -N [             | X09H26 <br> | 162690     | INSTALI<br>QUAZI |          |                 |         |                     |          |        | 1<br>1 | EA  <br>EA | Сİ   | c    | S   | 1       | 3309.2           | 35WF3<br>        | 0.8(<br>[ |              |
| -N  <br>         | 1           | <br>322048 | 1-3 IN<br>BEND   | CONDUIT  | DB 3 I          | N 90 D  | 36 IN 3             | ENÇ<br>R |        | 3      | EA <br>EA  | C I  |      | s   |         | 3373.2           | [                | 0.2       |              |
| i                | 1           | [          | REMOVE/          |          | LANDSC          | APING   |                     |          | 1      |        | [          | I    |      |     | 1 i     |                  | [<br>[<br>[3-WF3 | 1 I,      |              |
| UNC CODE         | DESC        |            | EXIST            | TAG      | NEW TA          | 1G      |                     | ,        | SEE S  | НТ б   |            | ONST | RUĊI | ION | NOTE    | 28               |                  |           |              |
|                  |             |            |                  |          |                 | -       |                     |          |        |        |            |      |      |     |         |                  |                  | i         |              |
|                  |             |            |                  |          | <b>_</b>        |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            | <u> </u>         |          |                 |         |                     |          |        |        |            |      |      |     |         | <u> </u>         |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          | •      |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  | <u> </u> |                 |         |                     |          |        |        | <b>_</b>   |      |      |     |         |                  |                  |           |              |
| · · ·            |             | · ··· · ·  |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |
|                  |             |            |                  |          |                 |         |                     |          |        |        |            |      |      |     |         |                  |                  |           |              |

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| ROJECT:      | 253568               | JOB:01                              | REV:0                   |  |                       |                       | DO BLK 7G2 · |                     |                            |            |              |                |      | STATUS: AC       |                                  |            |       | 0700  |
|--------------|----------------------|-------------------------------------|-------------------------|--|-----------------------|-----------------------|--------------|---------------------|----------------------------|------------|--------------|----------------|------|------------------|----------------------------------|------------|-------|-------|
| ESIGN: 0     | 1 NAME               | : ROLANE                            | 0 BLK 7G2               | T&C JOB 1  |                       |                       | STATUS       |                     |                            |            |              | ·              |      |                  |                                  |            |       |       |
| OCATION:     | 450 SHE              |                                     |                         | CM DES   |                       |                       | GE BONNER    |                     | <u> </u>                   |            |              |                | PHON | VE: 999-99       | 99                               | LOCATIO    | N 450 | DF 58 |
|              | <br>D  AU ID         | <br>  stock#                        | D                       | ESCRIPTION   |                       |                       | NOTES        |                     |                            |            |              |                |      | STANDARD<br>PAGE |                                  |            |       |       |
| I-N          | AS-2CT               | i i                                 |                         | 2 SAW CU   | T AND                 | BREAK M               |              | 112                 |                            |            |              | S              |      |                  | SR3AS                            | 2.91       |       |       |
| I            | 1                    | <br> 114201                         |                         | BASE ME<br>LT (BASE)   | СН 1                  | 8 IN                  |              | <br>  112<br>  13   | ] TN                       |            | <br>  C      | S  <br>        | с    |                  | <br> C <del>-</del> BC<br> SR4AL | 3.0<br>3.0 | ~     | ,     |
| <br>I-N <br> | BH03XH<br>           | X20201                              | TRAFF                   | G TRENCH :<br>IC BEARING<br>LT, COLD M                             | STEE.                 |                       | HOE          | 122<br>  92<br>  2  | EA<br> TN                  | C<br> <br> |              |                | с    | G7453            | [<br>[ C-BC<br>[ C-BH<br>[ 35WF4 | 4.9<br>4.9 |       |       |
| I-N          |                      | X30007                              | TRENCH<br>DUMPI         | SPOIL 3 F'<br>NG FEE   | T DEP                 | TH                    |              | <br>  122<br>  31   | FT                         | l C        | <br> <br>  C | . – .          | с    |                  | l<br>[C-DT<br>l                  | 10.7       |       |       |
| I-N          | SLR-18               | <br> 656400                         |                         | L SLURRY 1:<br>Y MIX, 1 Si   |                       |                       | IN DEEP      | 366<br>  21         |                            | •          | <br>  C      |                | с    |                  | <br> 3-WF3<br>                   | 0.7        |       |       |
|              | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 | CONCR<br>CONDU<br>SPACE | EB CONDUIT<br>ETE - 2 SA<br>IT DB 3 IN<br>R INTERMED<br>BASE SPACE | CK (G<br>20 F<br>IATE | RAVEL MIX<br>T LENGTH |              | 122<br>  21<br>  21 | CY<br>  FT<br>  EA<br>  EA |            |              | S  <br>   <br> |      |                  | 3-WF3<br> <br> <br> <br>         | 1.7        |       |       |
|              | Ì                    | 322048                              | BEND                    | DB 90 D 36<br>CONDUIT DB<br>Y MIX, 1 Si                            | 3 IN                  | 90 D 36               |              | 2<br>  2            | <br> EA<br> EA<br> CY      | [ C<br>]   |              |                | с    | 3373.2           | <br> 3-WF3<br> <br>              | 0.1        |       |       |
| I-N          | ILN-S/U              |                                     | TC-LANE                 | CLOSURE U  | RBAN                  | STREET                |              | 1                   | I<br>IEA                   | i C        |              | S              | с    |                  | TC3                              | 1.0        |       |       |
| I-N          | LN/S/S               |                                     | LANE CL                 | OSURE URBAI  | n st                  | (STREET F             | EPAIR)       | 1                   | ]<br>] EA                  | ι<br>  C   |              | S              | с    |                  | TC4                              | 1.0        |       |       |
| I-N          | ]<br>] PLANTU        | <br>                                | REMOVE/                 | REPLACE LA   | NDSCA                 | PING                  |              | <br>  10            | 1<br>1 FT                  | <br>  C    | <br>         | ្រៃ            | с    |                  | <br> 3-WF3                       | 1.0        |       |       |

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## CONSTRUCTION NOTES

SEE SHT 6 

| OJECT: 25       | 3568 3            | JOB:01            | SAN DIEGO GAS AND I<br>DPSS - DESIGN REVIEW CO<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2      | -T&C JOB          | 1                    |     |              |              | :<br>        | STATUS: AC      | T WOR                        | K ORDE            | R: 2960700   |
|-----------------|-------------------|-------------------|---|-------------------|----------------------|-----|--------------|--------------|--------------|-----------------|------------------------------|-------------------|--------------|
| SIGN: 01        | NAME :            | ROLANE            | DO BLK 7G2 T&C JOB 1 STATUS   | : ACT             |                      |     |              |              |              |                 |                              |                   |              |
| CATTON 4        | 51 SMFF           | err- 01           | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                      |     |              |              | PHO          | NE: 999-99      | 99 I                         | OCATIO            | ON 451 OF 58 |
|                 |                   |                   |   |                   | i 1                  | WDV | мΆΤ          | ттм          |              | GTANDARD        | ICREW                        | EST               |              |
| [-N]            | 3 ' HDA           | I I               | HAND DIG TRENCH 3 FT DEEP AVE   | 14                | ÉTI                  | СІ  |              | [ S          | I C          | G7453<br>       | 3-WF3                        | 5.5               |              |
|                 | <br>  BKF-3 '<br> | j i               | BACKFILL TRENCH 3 FOOT DEEP   | <br>  14<br>      |                      |     |              | S            |              | 1               | 3-WF3 <br> C-BC              | 0.21              |              |
|                 | 1<br>             | <br> 611492 <br>  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               |                   | FT  <br>  TN         |     | С            | S<br> <br>   | ( C<br> <br> | G7405           | 3-WF3[<br> C-BH  <br>[C-DT ] | 1                 |              |
|                 | 1                 | 249664            | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       |                   | FT  <br>  FT         | с   | C            | s            | i c<br>I     | 3373.1          | <br> 3-WF3 <br>              | 0.2               |              |
| [-N <br>        | 1                 | <br>  X30007      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | ,                 | FT<br>  FT  <br>  CY | С   |              | i s          | •            | <br>            | C-DT                         |                   |              |
| [-N]            | <br>  PLANTU      | i                 | REMOVE/REPLACE LANDSCAPING  | 1 1               | FT                   | С   | '<br> <br>   | S            | •            | 1               |                              | 0.1               |              |
| <br>[-N]        | <br> CC-2CT       | i                 | CONCRETE 2 SAW CUT AND BREAK MECH   | 1 1               | FT                   | с   | <br> <br>    | S            | C            | 1               | SR3AS                        | 1                 |              |
| ]<br>[-N]       |                   | i                 | FINISH CONCRETE SURFACE MAN 12 IN   | 1                 | [FT                  | с   |              | Ś            | C            | i               | SR3CS                        |                   |              |
| [-]N  <br> <br> | Ì                 | <br> X20201       | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 4                 | FT<br>  EA<br>  TN   |     |              | ; s<br> <br> | i c<br>I     | G7453<br> <br>[ | C-BC<br> C-BH<br> 3SWF4      | 0.2<br>0.2<br>0.4 | I            |
| [-N]            | REM-3'            | IX30007           | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                   | <br>  FT<br>  CY     |     | <br> <br>  C | S            | 1            | 1<br>1<br>1     | <br> C-DT<br> <br>           | 0.4               | . <u></u>    |
| 1<br>[-N        | SLR-18            | 1656400           | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 1                 | IFT<br>ICY<br>I      | i   | С            | S            | i c          | G7409           | 3-WF3                        |                   | E            |
| E-N <br> <br>   | 1EB3SL<br> <br>   | 249664<br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 15<br>  15<br>  1 | FT<br>  FT<br>  CY   | C   | с            | S I          | i c          | 3376.1<br> <br> | 3-WF3                        | 0.2               | 1            |
|                 | LN-S/U            |                   | <br>  TC-LANE CLOSURE URBAN STREET  | i 1               |                      | C   |              | S            | 1 C          | 1               | TC3                          | 1.0               | i<br> <br>1  |
|                 | <br> ln/s/\$      |                   | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   |                   | <br>  EA             |     |              | <br>  S      |              | 1               | TC4                          |                   |              |

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| P001EM2-LOC<br>9/05/17 11: |              | 01          |                                  |          |       |         |       | GAS AND<br>REVIEW |               |        |              | 1    |         |       |                  |                    |            | P        | AGE NO 509   |
|----------------------------|--------------|-------------|----------------------------------|----------|-------|---------|-------|-------------------|---------------|--------|--------------|------|---------|-------|------------------|--------------------|------------|----------|--------------|
| ROJECT: 253                | 3568         |             | REV:0                            | TYPE;    |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          | R: 2960700   |
| SIGN: 01                   |              |             |                                  |          |       |         |       | STATU             |               |        |              |      |         |       |                  |                    |            |          |              |
| CATION: 4                  |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       | PHOI             | NE: 999-99         | 99 1       |          | N 452 OF 587 |
| RKI<br>-CIMU ID            | AU ID        | STOCK#      |                                  |          |       |         |       |                   | i             | RQD    | UM           |      |         |       |                  | STANDARD<br>  PAGE | [TYPE      | HOURS    |              |
| -N [                       | 330926<br>   | <br> 162690 | I HAND H<br>QUAZ                 | OLE 3309 | .2 37 | "X 26"  | X 26" |                   | <b>i</b><br>1 | 1<br>1 | EA[<br> EA   |      | С       | 1     | l .              | 3309_2<br>         | 35WF3<br>  | 0.8[<br> |              |
| ł                          | X09H26       | 162690      | INSTAL<br>  QUAZ                 |          |       |         |       |                   |               | 1<br>1 | EA  <br>  EA | ¢    | i<br>c  | S     | i                | 13309.2            | Ì          | 0.81     |              |
| -N]                        | 1-3SLB<br>   | 322048      | <br>  1-3 IN<br>  BEND<br>  SLUR | CONDUIT  | DB 3  | 3 IN 90 |       |                   |               | 3<br>3 | EA           | С    | <br>  C | Ş<br> | <br>  C<br> <br> | 3373.2<br>         | i i        | i 0.21   |              |
|                            | <br>  Plantu | [           | <br>  REMOVE                     | /REPLACE | LAND  | SCAPING |       |                   |               |        |              |      |         |       | <br>  C          | <br> <br>          | <br> 3-WF3 |          |              |
| ORK FAC<br>UNC CODE        | DESC         |             | FYIS                             | ጥ ተኳር    | NEW   | TAG     |       |                   |               |        | c            | 0175 | PRIIC   | דד∩א  | NOTI             | ES                 |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   | SFF           | SHT 6  |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |
|                            |              |             |                                  |          |       |         |       |                   |               |        |              |      |         |       |                  |                    |            |          |              |

| ROJECT: 25        | 3568 3          | JOB:01                  | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                        | 2 -T&C JOE   | 3 1               |                 |              |              |             |            |                  |                         | RK ORDE         | R: 2960700  |
|-------------------|-----------------|-------------------------|--|--------------|-------------------|-----------------|--------------|--------------|-------------|------------|------------------|-------------------------|-----------------|-------------|
| ESIGN: 01         | NAME :          | ROLAND                  |  | US: ACT      |                   |                 |              |              |             |            |                  |                         |                 |             |
|                   |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |              |                   |                 |              |              |             |            | WE: 999-99       |                         |                 | N 453 OF 58 |
| WRK <br>F-C MU ID | <br> AU ID      | <br> STOCK#             | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD | ៃ<br>បា           | W !<br>M   R:   | RK 1<br>SP 1 | (AT)<br>RSP1 | TIM <br>TRT | ACC<br>TRT | STANDARD<br>PAGE | CREW<br> TYPE           | EST  <br>HOURS[ |             |
| I-N               | 3'HD-A.         |                         | HAND DIG TRENCH 3 FT DEEP AVE  | 1 16         | 5   F             | T  (            | C            | - 1          | SI          | С          | G7453            | 3-WF3                   | 6.3             |             |
| I-N               | 1               | · ·                     | BACKFILL TRENCH 3 FOOT DEEP  |              | 5jF               | Tİ 4            | c i          | i            | S [         | С          |                  | 3-WF3<br>  C-BC         | 0.21<br>0.21    |             |
| I-N <br> <br>     | 1               | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          |              |                   | N               | c i<br>I     | c            | S I         | С          | G7405            | CBH<br>  CDT            |                 |             |
| 1                 | i               | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 16         |                   |                 |              |              |             | С          | <br> 3373.1<br>  |                         | 0.2             |             |
| I–N               | R-XCES<br>      | X300071                 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  |              | 5   F             | TÌ<br>YI        |              |              | SI          |            | <br>             | CDT<br> <br>            |                 |             |
| I-N               | PLANTU          | • •                     | REMOVE/REPLACE LANDSCAPING   |              | •                 | T               | ci           | 1            | s           | С          | Ì                |                         | 1.1(            |             |
| I-N               | ICC-2CT         | i' i                    | CONCRETE 2 SAW CUT AND BREAK MECH  |              |                   | ri              | c            |              | S I         | С          | ĺ                |                         | 0.2             |             |
| I-N               |                 | 1 1                     | FINISH CONCRETE SURFACE MAN 12 IN  | •            |                   |                 | c            | i            | SI          | С          | I                | SR3CS                   | i i             |             |
| <br>I-N <br>[<br> | 1               | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  |              | 41E<br>11T        | A <br>N         | i<br>I       | c i<br>c i   | S           | С          | G7453<br>        | C-BC<br> C-BH<br> 35WF4 | 0.2             |             |
| I-N <br>          | REM-3'          | X300071                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   |              | 5   F<br>2   C    | T  <br>Y        | c i<br>l     | i            | S           | с          | 1                | IC-DT                   | 0.4             |             |
| I-N               | SLR-18          | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 11           | 5 F<br>1 C        | Τİ              | Ì            | C            |             |            | G7409<br>        | ]3-WF3                  |                 |             |
| I-N <br> <br>     | 1EB3SL<br> <br> | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            |              | 5 F<br>5 F<br>1 C | T]<br>T]<br>Y]  | сі<br>1      |              | S           | с          | 3376.1<br> <br>  |                         |                 |             |
| <br> -N <br>      | 1-3SLB<br> <br> | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |              | 1 E<br>1 E<br>1 C | A  <br>A  <br>Y | Ì            | c i<br>c i   | S           |            | 3373.2           | <br> 3-WF3<br> <br>     |                 |             |
| I-N               | LN-S/U          |                         | TC-LANE CLOSURE URBAN STREET   |              | 1   E             | A               | сİ           | Í            | s           | C          | i i              | TC3                     | 1.0]            |             |
| I-NI              | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |              |                   |                 |              |              | s           |            | 1                | <br>[ TC4               |                 |             |

FUNC CODE DESC

EXIST TAG NEW TAG

### CONSTRUCTION NOTES

### SEE SHT 6

| PROJECT: 23    | 3568            | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 762   | 2 -Т&С ЈОВ      | 1                |               |                |              | :              | STATUS: A          | CT WO          | RK ORDE              | R: 2960700  |
|----------------|-----------------|-------------------------|--|-----------------|------------------|---------------|----------------|--------------|----------------|--------------------|----------------|----------------------|-------------|
| ESIGN: 01      | NAME            | : ROLAND                |  | JS: ACT         |                  |               |                |              |                |                    |                |                      |             |
|                |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                 |                  |               |                |              | PHO            | NE: 999-9          | 999 1          | LOCATIO              | N 454 OF 58 |
|                |                 | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | QTŸ<br>  RQD    | <br>  UM         | WRK<br> RSP   | MAT            | TIM<br>  TRT | I ACC<br>I TRT | STANDARD<br>  PAGE | CREW<br>  TYPE | EST<br>HOURS         |             |
| I-N]           | 3'HD-A          |                         | HAND DIG TRENCH 3 FT DEEP AVE  | 17              | FT               | C             |                | S            | I C            | 1G7453<br>1        | 3-WF3          | 6.6                  |             |
| I-NI           | •               |                         | BACKFILL TRENCH 3 FOOT DEEP  | 17<br>          | FT<br>           | C<br>         |                | S            | 10             | 1                  | 3-WF3<br> C-BC | 0.3                  |             |
|                | SHD-12          | <br> 611492 <br>        | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 17<br>  1       | TN<br>           | C<br> <br>    | <br>  c<br>    | S<br> <br>   |                | G7405<br> <br>     | C-BH<br>  C-DT | 0.1                  |             |
| I-N            | [               |                         | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i 17<br>1 17    | FΤ               | i c<br>I      | i<br>1 C       | S<br>        | [              | 3373.1<br>         | 1              | 0.3                  |             |
| I-N[<br>[      | R-XCES          | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 17<br>  2       | FT<br>  CY       | i C           | 1<br>1<br>1 C  | i s<br>1     | ,<br>[ C<br>[  | <br>               | 1              | 0.4                  |             |
| I-N[           |                 |                         | REMOVE/REPLACE LANDSCAPING   | •               |                  | c             |                | •            | [<br>[ C       | ĺ                  | <br> 3-WF3     | 1.7                  |             |
| ∑-N [<br> <br> |                 | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 1 6<br>1 1      | EA<br> TN        | i             |                | 1            | 1              | (G7453<br> <br>    | C-BH<br>3SWF4  | 0.31<br>0.31<br>0.61 |             |
|                | REM-3 '         | X300071                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 7<br>1 2      | CY               | C<br>         | ic             | 1            |                | [<br>[             | IC-DT          | 0.6                  |             |
|                | SLR-18<br>      | <br>  [<br> 656400 <br> | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 21<br>1 2     |                  | i c<br>I      | l<br>I C       | s            |                | G7409<br>          | <br> 3-wf3<br> |                      |             |
| I-N <br>       | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 7<br>  7<br>  1 | FT<br> FT<br> CY | I C<br>I<br>I | C<br>  C       | [ S<br> <br> | C<br> <br>     | 3376.1<br> <br>    | 3-WF3<br>      | 0.1                  |             |
|                | 1-3SLB<br> <br> | 322048 <br> 656400      | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                 | IEA<br>ICY       | i c<br>I<br>I | <br>  C<br>  C | S<br> <br>   |                | 3373.2<br>         | 1              | <br> <br>            |             |
| I-N            | ]LN-S/U         |                         | TC-LANE CLOSURE URBAN STREET   | 1               | EA               |               | İ.             |              | i c            |                    |                | 1.0                  |             |
|                | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                 |                  | <br>  C       |                |              | l<br>I C       |                    | <br>  TC4      |                      |             |

| ROJECT: 25              | 3568 .                    | JOB:01                                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7   | G2 -T&C JOB     | 1   |       |          |                           |              |                           | T WOF               | K ORDE            | R: 2960700  |
|-------------------------|---------------------------|--|--|-----------------|---|-------|----------|---------------------------|--------------|---------------------------|---------------------|-------------------|-------------|
|                         | NAME                      | : ROLAND                                   |  | TUS: ACT        |   |       |          |                           |              |                           |                     |                   |             |
| OCATION: 4              | 55 SHE                    | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNE   | R               |   |       |          |                           |              |                           |                     |                   | N 455 OF 58 |
| WRKI<br>F-CIMU ID       | AUID                      | <br> STOCK#                                | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD    | UM [  | RSPL  | RSPI     | TIM<br>TRT]               | ACC  <br>TRT | STANDARD<br>PAGE          | CREW                | EST  <br>HOURS    |             |
| I-N <br> <br>           | BHO3XH<br> <br>           | <br> X20201 <br> 114215                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 9<br>  7<br>  1 | FT  <br>  EA  <br>  TN                                      | СІ    |          | [S]<br>   <br>            | С            | G7453<br> <br>            | 1C-BC               | 0.4<br>0.4<br>0.7 |             |
| I-N                     | REM-3'                    | [X30007]                                   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | I 9             | FT  | ¢j    |          | SI                        | C            | [                         | C-DT                | 0.8               |             |
| 1                       | 1                         | 656400                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 27   27<br>  2  | FT <br> CY  |       | С        | [\$ <br>                  | С            | G7409<br>                 |                     | 0.1               |             |
| I-N <br> <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER |                 | FT<br>CY<br>FT<br>E<br>E<br>E<br>E<br>E<br>E<br>E<br>E<br>E |       | 0000     | 5  <br>     <br>     <br> | С            | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br> | 0.1 <br>   <br>   |             |
| I-N1                    | LN-S/U                    |  | TC-LANE CLOSURE URBAN STREET   | j 1             | EA  |       |          | S                         | С            |                           | TC3                 | 1.0               |             |
| 1<br>I-N                | [<br> LN/S/S              | 1 1<br>1                                   | LANE CLOSURE URBAN ST (STREET REPAIR)  | <br>  3         | IEA   |       |          | S                         | с            |                           |                     |                   |             |
| WORK FAC<br>FUNC CODE   |                           |  | EXIST TAG NEW TAG  | see sht (       |   | CONST | RUC      | TION                      | NOTI         | ES                        |                     |                   |             |
|                         |                           |  |  |                 |   |       |          |                           |              |                           |                     |                   |             |
| <u></u>                 |                           |  |  | <u> </u>        |   |       | <u> </u> |                           |              |                           |                     |                   |             |
|                         |                           |  |  | <del></del>     |   |       |          |                           |              | -                         |                     |                   |             |
|                         |                           |  | <u> </u>   | <del>_</del>    |   |       |          |                           |              |                           |                     |                   |             |
|                         |                           | . <u>-</u>                                 |  |                 |   |       |          |                           |              |                           |                     |                   |             |
| <u> </u>                |                           |  | ······································   |                 |   |       |          |                           |              |                           |                     |                   |             |
|                         |                           |  |  |                 |   |       |          |                           |              |                           |                     |                   |             |
|                         |                           |  |  |                 |   |       |          |                           |              |                           |                     |                   |             |

|           |             |                          |                                  |                | AME: ROLANDO BLK 70                         |                                       |             |                    |          |     |              |            | STATUS: AC       |               |         |            |
|-----------|-------------|--------------------------|----------------------------------|----------------|---|---------------------------------------|-------------|--------------------|----------|-----|--------------|------------|------------------|---------------|---------|------------|
| ESIGN: 01 | NAME :      | ROLANDO                  | ) BLK 7G2 T&C JOI                | 81             |   | TUS: #                                |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                | D BY: GEORGE BONNE                          | R                                     |             |                    |          |     |              |            | NE: 999-99       |               | LOCATIO | N 456 OF 5 |
|           | AU ID       | STOCK#1                  |                                  |                | STRUCTION NOTES                             |                                       | RQD         | UM                 | RSP      | RSP | TIM ;<br>TRT | ACC<br>TRT | STANDARD<br>PAGE | CREW<br> TYPE | HOURS   |            |
| I-N (     | 3421-1      | 514240                   | PAD 3421 1-PHAS<br>PAD 1-PHASE 1 | SE TRAN        | SFÖRMER<br>3-PHASE F.C. 3421                | 1                                     | 1<br>1      | ÉA<br>  EA         | l C      |     | S (          | С          | 3421.1           | 13-AF4        | 0.4]    |            |
| I-N       | X-XF12      |                          |                                  | PAD (1-)       | PHASE TRANSFORMER)                          |                                       |             |                    |          |     | SI           |            | 1                |               |         |            |
| I-N       |             | 812816                   | WIRE BARE CO                     |                | ODS (TRAŃS/CAP)<br>-7 STR SOFT DRAŴN        | I                                     | 1<br>8      | EA<br>B            | I C<br>I | C   | S  <br>      | С          | <b>4510.1</b>    | 35WF3<br>     | 0.2     |            |
| i.        | 1-2SLB <br> | 321812                   | 1-2 IN DB 90 D                   | DB 2 I         | R BEND SLURRY ENC<br>N 90 D 36 IN R<br>SAND | <br> <br>                             | 1           | ]EA<br>]EA         |          |     | Ì            | С          | 3373.2           | ł             | 0.1     |            |
|           |             | <br> 322048 <br> 656400[ | BEND CONDUIT<br>SLURRY MIX,      | DB 3 I<br>SACK | R BEND SLURRY ENC<br>N 90 D 36 IN R<br>SAND | l                                     | 5<br>5<br>1 | EA<br>  EA<br>  CY |          |     | S            | С          | 3373.2<br> <br>  | i             | 0.31    |            |
| I PD      | PAD         |                          |                                  | D21829         | 7   | SEE                                   | SHT 6       |                    |          |     |              |            |                  | <b></b>       |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  | - <u></u>     |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   |                                       |             |                    |          |     |              |            |                  |               |         |            |
|           |             |                          |                                  |                |   | · · · · · · · · · · · · · · · · · · · |             |                    |          |     |              |            |                  |               |         |            |

| ROJECT: 2               | 253568                    | JOB:01                                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -T&C JOB                                  | 1                       |                 |                |              | 5               | STATUS: AC        | T WOR             | K ÓRDE              | R: 2960700  |
|-------------------------|---------------------------|--|---|---|-------------------------|-----------------|----------------|--------------|-----------------|-------------------|-------------------|---------------------|-------------|
|                         |                           |  | O BLK 7G2 T&C JOB 1 STATUS  |   |                         |                 |                |              |                 |                   |                   |                     |             |
| CATION:                 | 457 SHE                   | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER   | :   |                         |                 |                |              | PHO             | NE: 999-99        | 99 L              | OCATIO              | N 457 OF 58 |
| WRKI<br>F-CIMU II       | <br>D  AU ID              | <br> STOCK#                                | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD                              | <br>  UM                | WRK<br> RSP     | MAT            | I TIM        | ACC<br>  TRT    | STANDARD<br>PAGE  | CREW  <br> TYPE   | EST  <br>HOURS      |             |
| I –N ]                  | 3'HD-A                    | 1 1  | HAND DIG TRENCH 3 FT DEEP AVE   | 23  | FT                      | I C             | 1              | S            | C               | G7453             | 3-WF3             | 8.8(                |             |
| I-N <br>                | <br>  BKF-3 '<br>         |  | BACKFILL TRENCH 3 FOOT DEEP   | 23  | FT                      | i c<br>I        | I              | S            | G               | <br>              | 3-WF3 <br> C-BC   | 0.3(<br>0.3(        |             |
| I-N <br>[<br>[          | 1                         |  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED         | 23  | <br>  FT<br>  TN<br>    | i c<br>I        | C              | 1 S<br> <br> | [ C<br> <br>    | G7405<br> <br>    | C-BH  <br> C-DT   | 0.1 <br>0.1 <br>0.1 |             |
| I-N <br>                | 1                         | [249664]                                   | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                 |   | <br>  FT<br>  FT        |                 | [              | S            |                 | 3373.1            |                   | 0.3                 |             |
| I-N <br>1               | R-XCES                    | X30007                                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | 3   | CY                      |                 | C              | ļ            | C<br>           | 1<br>             | C-DT  <br>        | 0.6                 |             |
| 1 - N  <br>I N          | PLANTU                    |  | REMOVE/REPLACE LANDSCAPING  | 19  | FT                      | C<br>           | 1              |              | c               | İ                 | 3-WF3 <br>        | 1.9                 |             |
| 1-N                     | <br>  CC-2CT              | i i  | CONCRETE 2 SAW CUT AND BREAK MECH   | 4   | FT                      | C<br>           | 1              |              | i c             | İ                 | SR3AS             | 0.21                |             |
| 1-N                     | CF-H12                    | i i  | FINISH CONCRETE SURFACE MAN 12 IN   | 4   | FT                      | i c             | i i            | •            | ίc              | İ                 | SR3CS             | i                   |             |
| I-N                     |                           | i i  | ASPHALT 2 SAW CUT AND BREAK MECH  |   |                         | <br>  C         |                | <br>  S      | i c             | İ                 | SR3AS             | 0.31                |             |
| I-N                     | 1                         | i i  | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 1 2                                       | FT<br>  TN              | 1               | U              | İ.           |                 | [<br>]            | C-BC  <br> SR4AL  | 0.3 <br>0.3         |             |
| I-N                     | BH03XH<br> <br>           | [ [<br>[X20201[<br>[114215]                | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | 24<br>  18<br>  1                         |                         | i c<br>I<br>I   | <br>  C<br>  C | S<br> <br>   | I C             | G7453<br> <br>    |                   | 1.0 <br>1.0 <br>1.9 |             |
| I-N <br>1               | REM-3'                    | X30007                                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 24  |                         | i c             | 1              | S            | i C             |                   | C-DT              | 2.1                 |             |
| I-N]                    | SLR-18                    | 6564001                                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    | i 5                                       | CY                      | C               | 1<br>  C       | ] S<br>]     | C<br>           | G7409<br>         | 3-WF3             | 0.21                |             |
| I-N <br> <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER                                    | 78<br>  2<br>  78<br>  78<br>  14<br>  14 | FT<br> CY<br> FT<br> EA | C<br> <br> <br> |                | 1 S<br>1     | C<br> <br> <br> | 3376.1<br> <br>   | 3-WF3[            | 1.1                 |             |
| I-N[<br> <br>           | 1-3SLB<br>                | <br>  <b> </b><br> 322048 <br> 656400      | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R           | 1 2<br>1 2<br>1 1                         | EA<br>  EA<br>  CY      | C<br> <br>      | C<br>  C       | l            | 1 C<br>1        | 13373.2<br>1<br>1 | 3-WF3 <br>  ]<br> | 0.1                 |             |
| <br>I-N                 |                           |  | TC-LANE CLOSURE URBAN STREET  |   | <br> EA                 | <br>  C         | [<br>          | l<br>I S     | <br>  C         |                   | 1  <br>]TC3       | 1.01                |             |

PAGE NO 514

| 9/05/17 1         | 1:36         | 01     |              |                        |         |          | N DIEGO<br>DESIGN |         |         |       | FAIL               |      |       |      |      |                                       |       | F          | AGE NO 515   |
|-------------------|--------------|--------|--------------|------------------------|---------|----------|-------------------|---------|---------|-------|--------------------|------|-------|------|------|---------------------------------------|-------|------------|--------------|
| OJECT: 2          | 53568        |        |              |                        |         |          | ROLANDO           | ) BLK 7 | 7G2 -T& | с јов |                    |      |       |      |      |                                       | T WO  | RK ORDE    | R: 2960700   |
| SIGN: 01          |              |        |              |                        |         |          |                   |         | ATUS: A |       |                    |      |       |      |      |                                       |       |            |              |
| CATION:           |              |        |              |                        |         |          | GEORGE            |         |         |       |                    |      |       |      | PHON | VE: 999-99                            | 99    | LOCATIC    | N 457 OF 587 |
| TRK <br>T-C MU ID | AU ID        | STOCK# |              | DESCRIP                |         |          |                   |         |         |       |                    |      |       |      |      | STANDARD<br>PAGE                      | TYPE  | HOURS      |              |
|                   | <br> LN/S/S  | 1      | <br>  LANE ( | CLOSURE (              | JRBAN : | ST (STR  | EET REF           | PAIR)   | <br>    | 1     |                    | С    | i i   |      | C    |                                       | TC4   | [<br>  1.0 |              |
| -N                | plantu<br>   | 1      | <br>  REMÓVI | e/replaci              | E LAND  | SCAPING  | r                 |         | 1       | 10    | FT                 | С    | i i   | S    |      |                                       |       | 1.0        |              |
| -N                | SAW-CC       | 1      | SAW CI       | UT CONCRI              | ETÉ     |          |                   |         | ł       | 10    | F <sup>`</sup> T ] | С    |       | S    | CI   |                                       |       | 1.5        |              |
| -N [              | <br>  ĊC-WLK | I      |              | ETE SÍDEN<br>CRETE - ( |         |          |                   |         |         | 1     | EA                 | С    |       | S    | E C  | l .                                   | SR3CS | 1.0 <br>   |              |
| ORK FA            | C<br>E DESC  |        |              | ST TAG                 | NEW '   | TAG      |                   |         |         |       | C                  | CONS | TRUCI | TION | NOTI | ES                                    |       |            |              |
|                   |              |        |              |                        |         |          |                   |         | SEE     | SHT 6 |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      | · · · · · · · · · · · · · · · · · · · |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         | ·     |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        | ,       |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   | ,       |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         | <u> </u> |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |
|                   |              |        |              |                        |         |          |                   |         |         |       |                    |      |       |      |      |                                       |       |            |              |

| P001EM2-LO0<br>9/05/17 11 | :36                       | 01  |   |   |  | SA<br>DPSS -                 |                       | SN REVI | IEW CO | OPY | - DET                           |                                    |              |     |      |      |                  |                          | F               | AGE NO 516   |
|---------------------------|---------------------------|---|---|---|--|------------------------------|-----------------------|---------|--------|-----|---------------------------------|------------------------------------|--------------|-----|------|------|------------------|--------------------------|-----------------|--------------|
| ROJECT: 25                | 3568                      |   | REV:0                                     |   |  |                              |                       |         | 7G2 -  |     |                                 |                                    |              | ·   |      | 2    | STATUS: AG       | T WO                     | RK ORDE         | R: 2960700   |
| SIGN: 01                  |                           |   | 00 BLK 7G2                                |   |  |                              |                       | S       | TATUS  |     |                                 |                                    |              |     |      |      | <b></b>          |                          |                 |              |
| CATION: 4                 |                           |   | DISTRICT:                                 |   |  |                              | GEORG                 | E BONI  | NER    |     |                                 |                                    |              |     |      | PHO  | VE: 999-99       | 999                      | LOCATIO         | N 458 OF 587 |
| RKI<br>-CIMU ID           | <br> AU ID                | <br> STOCK#                                     | I   | ESCRIPI                                     | TION/CO                                | ONSTRUC                      | TION N                | NOTES   |        | i.  | RQD                             | ŬMI                                | RSP          | RSP | TRT  | TRT  | STANDARD<br>PAGE | TYPE                     | HOURS           |              |
| -N  <br> <br> <br>        | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN<br>CONCE<br>CONDU<br>SPACE<br>1 IN | EB CONI<br>RETE - 2<br>JIT DB 3<br>CR INTER | DUIT CO<br>2 SACK<br>3 IN 20<br>RMEDIA | ONC ENC<br>(GRAVE<br>O FT LE | :<br>EL MIX)<br>ENGTH | 1       |        |     | 227 <br>5 <br>227 <br>38 <br>38 | FT  <br>CY  <br>FT  <br>EA  <br>EA | C  <br> <br> |     | S    | C    | 3376.1           | 3-WF3<br> <br> <br> <br> | 3.2 <br>   <br> |              |
| I-N <br>                  | 1-35LB<br> <br>           |   | 1-3 IN<br>BEND<br>SLURF                   |   | r DB 3                                 | IN 90                        | D 36 1                |         |        | 1   | 2 <br>2                         |                                    | C            | I   | S    | с    | 3373.2           | •                        | 0.1             |              |
| IORK FAC                  |                           |   | EXIS                                      | I TAG                                       | NEW 1                                  | IAG                          |                       |         |        |     |                                 | С                                  | ONST         | RUC | TION | NOTI | ES               |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         | S      |     | HT 6                            |                                    |              |     |      |      |                  |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     | ,                               |                                    |              |     |      |      |                  |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      |                  |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      | -                |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      |                  |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      |                  |                          |                 |              |
|                           | -                         |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      |                  |                          |                 |              |
|                           |                           |   |   |   |  |                              |                       |         |        |     |                                 |                                    |              |     |      |      |                  |                          |                 |              |

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|                   |                      |                                | REV:0 TYPE: UD   |                                  |                |  |                                    |                    |          |                 |                      | STATUS: AC           |                 |                         | R: 2960700  |
|-------------------|----------------------|--------------------------------|--|----------------------------------|----------------|--|------------------------------------|--------------------|----------|-----------------|----------------------|----------------------|-----------------|-------------------------|-------------|
|                   |                      |                                | 0 BLK 7G2 T&C JOB 1  |                                  |                | S: ACT                                 |                                    |                    |          |                 |                      |                      |                 |                         |             |
| CATION:           | 459 SHE              | ST: 01                         | DISTRICT: CM DESI  | SNED BY:                         | GEORGE BONNER  |  |                                    |                    |          |                 | PHO                  | NE: 999-99           | 99 I            | LOCATIC                 | N 459 OF 58 |
| IRK]<br>F-C MU ID | AU ID                | STOCK#                         | DESCRIPTION/   | CONSTRUC                         | TION NOTES     | RQD                                    | UM                                 | RSP                | RSP      | TRT             | TRT                  | STANDARD             | TYPE            | HOURS                   |             |
| -N                | AS-2CT               | E I                            | ASPHALT 2 SAW CUT  |                                  |                | 510                                    | FT                                 | i c                |          |                 | С                    |                      | SR3AS  <br>[    | 13.3                    |             |
|                   | I                    | <br> 114201                    | ASPHALT BASE MEC<br>ASPHALT (BASE)   | 4 24 IN                          |                | i 510<br>I 19                          | FT<br>  TN                         | C<br>1             | i<br>I Ç | [ S<br>[        | i c                  | <br>                 | SR-3A  <br>     | 13.81                   |             |
| E — N  <br>E      | BH04XH               | X202011                        | MACH DIG TRENCH 4<br>TRAFFIC BEARING<br>ASPHALT, COLD MI   | STEEL PL                         |                | 516<br>516<br>516                      | FT<br>  EA<br>  TN                 | C<br> <br>         |          | 1               | [ C<br>[             | G7453<br>            | C-BH<br>3SWF4   | 25.81<br>25.81<br>51.61 |             |
| [-N]<br>1         | ] REM-4 '<br>]       | <br> X30007                    | TRENCH SPOIL 4 FT<br>DUMPING FEE   | DEPTH                            |                | 516<br>176                             | FT<br>  ÇY                         | C<br>              | <br>  C  |                 | i C<br>1             | 1                    | <br> C-DT  <br> | 61.9 <br>               |             |
| -N                | SLR-24<br>           | 656400                         | BACKFILL SLURRY 24<br>SLURRY MIX, 1 SA   | IN WIDE<br>CK SAND               | X 12 IN DEEP   | 1548<br>  115                          | FT<br>  CY                         | i c<br>I           | <br>  C  | S               | i c<br>1             | G7409                |                 | 4.6                     |             |
|                   | 1EB3IN<br> <br> <br> | 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT<br>CONCRETE - 2 SAC<br>CONDUIT DB 3 IN<br>SPACER INTERMEDI<br>1 IN BASE SPACER | K (GRAVE<br>20 FT LE<br>ATE 5 IN | L MIX)<br>NGTH | ( 510<br>  10<br>  510<br>  86<br>  86 | FT<br>  CY<br>  FT<br>  EA<br>  EA | 1 C<br>1<br>1<br>1 |          | S<br> <br> <br> | C<br> <br> <br> <br> | 3376.1<br> <br> <br> |                 | 7.1                     |             |
| -N  <br>          | 1-3SLB<br> <br>      | <br>[322048 <br>[656400        | 1-3 IN DB 90 D 36<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA   | 3 IN 90                          | D 36 IN R      | 2                                      | EA<br> EA<br> CY                   | C<br> <br>         | C<br>  C | S<br> <br>      | i c<br> <br>         | 3373.2<br> <br>      |                 | <b>!</b>  <br>]         |             |
| -N                | LN−S/U               |                                | TC-LANE CLOSURE UR   | BAN STRE                         | ET             | 1                                      | EA                                 | i c                | 1        |                 | i C                  | Ì                    |                 | 1.0                     |             |
| -N                |                      | [ ]                            | LANE CLOSURE URBAN   | ST (STR                          | EET REPAIR)    | 1                                      | EA                                 | i c                | i –      |                 | i c                  | Ì                    |                 | 1.0                     |             |
| <br>[-N           | <br>  PLANTU         |                                | REMOVE/REPLACE LAN   | DSCAPING                         | ;              |  |                                    |                    |          | <br>  S         |                      |                      | [<br>[3-WF3     |                         |             |
| TORK FA           |                      |                                | EXIST TAG NEW  | TAG                              |                |  |                                    | CONS               | TRUC     | TION            | NOT                  | ES                   |                 |                         |             |
|                   |                      |                                |  |                                  |                | SEE SHT 6                              | ,10                                |                    |          |                 |                      |                      |                 |                         |             |
|                   |                      |                                |  |                                  |                |  |                                    |                    |          |                 |                      |                      |                 |                         |             |
|                   |                      |                                |  |                                  |                |  |                                    |                    |          |                 |                      |                      |                 |                         |             |
|                   |                      |                                |  |                                  |                |  |                                    |                    |          |                 |                      |                      |                 |                         |             |
|                   |                      |                                |  |                                  |                |  |                                    |                    |          |                 |                      |                      |                 |                         |             |

| ROJECT: 2        |                  | JOB:01   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | -T&C JOB                        | 1                                  |               |            |             | 2               | STATUS: AC                | T WOR                       | K ORDE              | R: 2960700   |
|------------------|------------------|--|--|---------------------------------|------------------------------------|---------------|------------|-------------|-----------------|---------------------------|-----------------------------|---------------------|--------------|
|                  |                  |  | O BLK 7G2 T&C JOB 1 STATUS:  |                                 |                                    |               |            |             |                 |                           |                             |                     | `            |
| OCATION:         | 460 SHE          | ET: 01   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                 |                                    |               |            |             | PHO             | NE: 999-99                | 99 L                        | OCATIO              | N 460 OF 587 |
| WDKI             |                  | 1 1  | DESCRIPTION/CONSTRUCTION NOTES   |                                 | 6                                  | WRK           | MAT        | 1 ΤΤΜΙ      | ACC             | STANDARD                  | ICREW                       | EST 1               |              |
| I-N[             | 13'HD-A          | I I  | HAND DIG TRENCH 3 FT DEEP AVE  | 23                              | FT                                 | C I           |            | S           | C               | G7453                     | 3-WF3                       | 8.81                |              |
| I-N [            | 1                |  | BACKFILL TRENCH 3 FOOT DEEP  | 1 23                            | <br>  FT<br>                       | l C           |            | S<br>       | с               | [<br>[<br>]               | 3-WF3 <br> C-BC             | 0.3 <br>0.3         |              |
| I-N <br> <br>    |                  | i I  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 1 23                            | FT<br>  TN                         | I C           | с          | S  <br>     |                 | G7405<br> <br>            | 3-WF3 <br> C-BH  <br> C-DT  | 0.1 <br>0.1 <br>0.1 |              |
| I-NI<br>I        | i                | 2496641  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | j 23                            | FT                                 |               |            | \$<br>      | C               | 3373.1                    |                             | 0.3                 |              |
| I-N <br>         | R-XCES           | X300071  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 23                            | <br>  FT<br>  CY                   | i c           | ¢          |             | C               | <br> <br> <br>            | ic-pr i                     | 0.6                 |              |
| I-N1             | PLANTU           |  | REMOVE/REPLACE LANDSCAPING   | 23                              | FT                                 | 1<br>[ C<br>] | 1          | s           | c               | 1                         | 3-WF3                       | 2.3                 |              |
| 1-N]             |                  | 1 1  | ASPHALT 2 SAW CUT AND BREAK MECH   | i 17                            | FT                                 | C             | l          | S           | <br>  C<br>     | l                         | SR3AS                       | 0.4                 |              |
| 1-N <br>         | [                | <br> 114201                                      | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 17<br>  2                       |                                    |               |            | S           | i c             | <br>                      | C-BC  <br> SR4AL            | 0.5 <br>0.5         |              |
| I-N <br> <br>    | BH03XH<br> <br>  | X20201 <br> 114215                               | MACH DIG TRENCH 3 FT DEEP BÀCKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 27<br>  21<br>  1               | FT<br>  EA<br>  TN                 | 1 C<br> <br>  | i c<br>i c |             | C<br> <br>      | G7453<br> <br>            | C-BC  <br> C-BH  <br> 3SWF4 | 1.1<br>1.1<br>2.2   |              |
| 1-N              | REM-31           | X30007   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 27                              | I CY                               | i c<br>I      | Ì          |             | C I             | l<br>I                    | C-DT [                      | 2.41                |              |
| I-N <br>[        | SLR-18           | 6564001  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 81<br>  5                       | ICY                                | i c<br>I      | С          | S<br>       | l C<br>I        | G7409<br>                 | <br> 3-WF3 <br>             | 0.21                |              |
|                  | 1<br>1<br>1<br>1 | 248201  <br>  249664  <br>  663528  <br>  663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 33<br>  1<br>  33<br>  6<br>  6 | FT<br>  CY<br>  FT<br>  EA<br>  EA | [<br>[<br>[   | C<br>  C   | \$<br> <br> | C<br> <br> <br> | 3376.1<br> <br> <br> <br> | [3-WF3]                     | 0.5                 |              |
| I-NI<br>I        | 1-35LB<br> <br>  | 322048 <br>  656400                              | 1-3 IN DE 90 D 35 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   |                                 | EA<br>CY                           | i c           | C          | Ì           | i c<br>I        |                           | 1  <br>                     |                     |              |
| I – N  <br> <br> | 1-3SLS<br> <br>  | 322144 <br> 656400                               | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | 3<br>  3<br>  1                 | EA<br>  CY                         | 1             | I C        | 1           | 1               |                           |                             | 0.5                 |              |
| 1<br>I-N]        |                  | ! I  | TC-LANE CLOSURE URBAN STREET   |                                 |                                    |               |            |             |                 | 1                         | <br> TC3                    | 1.01                |              |

| 9/05/17 11            | CAL40-00:<br>:36 |             |                  |          |        | DPSS    |        | EGO GA<br>IGN RE | VIEW C | COPY   | - DEI   |     |              |      |     |      |                  |      |       | Ε.            | AGE NO 519  |
|-----------------------|------------------|-------------|------------------|----------|--------|---------|--------|------------------|--------|--------|---------|-----|--------------|------|-----|------|------------------|------|-------|---------------|-------------|
| ROJECT: 25            |                  |             | REV:0            |          |        |         |        |                  | K 7G2  | -T&C   | JOB     | 1   |              |      |     | S    |                  |      |       |               | R: 2960700  |
| ESIGN: 01             |                  |             |                  |          |        |         |        |                  | STATUS |        |         |     |              |      |     |      |                  |      |       |               |             |
| OCATION: 4            |                  | F: 02       |                  | ÇМ       | DESIG  |         |        |                  |        |        |         |     |              |      |     |      | IE: 999-9        |      |       | CATIO         | N 460 OF 58 |
| WRK <br>F-C MU ID     | AU ID            | <br>STOCK#[ |                  |          | FION/C | CONSTRU | JCTION | NOTES            | ;      | [      | RQD     | UM  | WRK :<br>RSP | MAT  | TIM | ACC  | STANDARI<br>PAGE | CRE  | W   H | EST  <br>OURS |             |
| I-N                   | <br> LN/S/S      |             | LANÉ CI          | JOSURE V | JRBAN  | ST (SI  | REET   | REPAIR           | ι)     | E<br>I | 1       |     | י<br>קו<br>נ |      | 5   | C    |                  | [TC4 | <br>  | 1.0           |             |
| I-N                   | PLANTU           |             | REMOVE,          | (REPLACI | e lani | SCAPIN  | IG     |                  |        | l<br>I |         | ΓT  | c i          | [    | 5   | c    |                  | -    | F3    | 1.0           |             |
| I-N                   |                  | ĺ           | SAW CUI          | CONCRI   | ETE    |         |        |                  |        | ĺ      |         | FT  | сi           | [    | S   |      |                  |      | зсі   | 1.5           |             |
| I-N                   | CC-WLK           | i           | CONCRET<br>CONCE |          |        |         | ROCK   |                  |        | 1      | 1 <br>1 | EAI | CI           | ľ    | S   |      |                  | SR3  | csi   | 1.0           |             |
| WORK FAC<br>FUNC CODE |                  |             | EXIS             | TAG      | NEŴ    | TAG     |        |                  |        |        |         | c   | ONST         | RÚCI | TON | NOTE | ls               |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  | 5      | SEE S  | HT 6    |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
| · · · · · ·           |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  | ·      | -      |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  | · · ·       |                  |          |        |         | -      |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  | · ·  |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  | •    |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        | ••     |         |     |              |      |     |      | ••••             |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              | -    |     |      |                  |      |       |               |             |
|                       |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |
| -                     |                  |             |                  |          |        |         |        |                  |        |        |         |     |              |      |     |      |                  |      |       |               |             |

| 9/05/17 11<br>    |                          |                                      | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC   |                     |                         |            |                |                        |              |                           |                          | זמפס אי                 |             |
|-------------------|--------------------------|--------------------------------------|--|---------------------|-------------------------|------------|----------------|------------------------|--------------|---------------------------|--------------------------|-------------------------|-------------|
|                   |                          |                                      | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   |                     |                         |            |                |                        |              | AC                        |                          |                         |             |
|                   |                          |                                      | 0 BLK 7G2 T&C JOB 1 STATUS:  |                     |                         |            |                | <del>_</del> _         |              |                           |                          |                         |             |
| OCATION: 4        | 61 SHEE                  | ST: 01                               | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                         |            |                |                        | PHO          | NE: 999-99                | 99 1                     | LOCATIO                 | N 461 OF 58 |
| WRK <br>F-C MU ID | AU ID                    | ]<br> STOCK#                         |  |                     | 1                       | 15707      | IM7.T          | 1 TTM [                | INCC         | I C TAMAZ PD              | ICDEN                    | I TST L                 |             |
| I – N į           | 3'HD-A                   | · ·                                  | HAND DIG TRENCH 3 FT DEEP AVE  | I 19                | I FT                    | ιc         | 1              | SI                     | С            | G7453<br>                 | 3-WF3                    | 7.3                     |             |
| I-N<br>I          | i -                      |                                      | BACKFILL TRENCH 3 FOOT DEEP  | 1 19<br>1           | FT                      |            | l<br>L         | \$  <br>  1            | с            | 1                         | 3-WF3<br> C-BC           | 0.3 <br>  0.3           |             |
| I-N <br>          | 1                        | i i                                  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 19<br>  1           | FT                      | C<br>      | l<br>l c       | S  <br>                | C C          | G7405<br> <br>            | C-BH<br> C-DT            | 0.1 <br>  0.1 <br>  0.1 |             |
| I-N[              | i                        | 249664                               | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 19                  | <br>  FT<br>  FT<br>    | 1          | ΙĊ             | I S I                  | 1 C          | [3373.1<br>               | <br> 3-WF3<br> <br>      | 0.3                     |             |
| I-N <br>1         | Ì                        | <br> X30007                          | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 19<br>i 2         |                         | I C        | i              |                        | i c          | 1                         | C-DT                     | 0.5                     |             |
| <br>I-N]          | <br>  plantu             | 1 1                                  | REMOVE/REPLACE LANDSCAPING   | 14                  |                         | i c        |                | S                      | C C          | i                         | 3-WF3                    | 1.4                     |             |
| <br>1-N           | <br> CC-2CT              | r i                                  | CONCRETE 2 SAW CUT AND BREAK MECH  | 5                   |                         | i c        |                | S                      |              | i                         | SR3AS                    | 0.21                    |             |
| I-NI              | <br> CF <del>-</del> H12 | 1                                    | FINISH CONCRETE SURFACE MAN 12 IN  | I 5                 | FT                      | ic         | i –            | S                      | i C          | i.                        | <br>  SR3CS              |                         |             |
| <br>I-N           |                          | i i                                  | ASPHALT 2 SAW CUT AND BREAK MECH   | j 12                | FT                      | C          | i –            | S                      | iα           | 1                         | I SR3AS                  | 0.3                     |             |
| I-N <br>          | ſ                        | <br> 114201                          | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 12<br>  2           | FT<br>  TN              |            | <br>  .C       | <br>  S<br> <br>       | i c          | <br>                      | C-BC<br> SR4AL           | 0.3 <br>  0.3           |             |
| I-N[<br> <br>     | BH03XH<br> <br>          | X20201 <br> 114215                   | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | i 24<br>i 18<br>i 1 | EA<br> TN               | C<br> <br> | <br>  C<br>  C | 5                      | [ C<br> <br> | G7453<br> <br>!           | С-ВС<br>  С-ВН           | 1.0 <br>  1.0]<br>  1.9 |             |
| <br>I-N <br>      | REM-3'                   | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | j 24                | FT<br> CY               | I C        | Ì              | i S<br>I               | I C          | 1                         | IC-DT                    | 2.1                     |             |
| I-N <br>          | SLR-18                   |                                      | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 5                 | CY                      | 1          | 10             | S                      | i C<br>I     | G7409<br>                 |                          | 0.2                     |             |
|                   | 1<br>                    | 248201<br>249664<br>663528<br>663530 | SPACER INTERMEDIATE 5 IN 2-WAY   |                     | FT<br> CY<br> FT<br> EA |            |                | <b>S</b><br> <br> <br> | i C          | 3376.1<br> <br> <br> <br> | 3-WE3<br> <br> <br> <br> |                         |             |
| I-N <br> <br>     | 1-3SLB<br>[<br>          | 322048<br> 656400                    | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                     | IEA                     | i c<br>I   | - C<br>- C     | S<br> <br>             |              |                           |                          |                         |             |
| I-N               |                          | 1                                    | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED  |                     |                         |            |                | <br>  S                |              | <br> 3373.2               | <br> 3-WF3               | 0.5                     |             |

Block 7G2 UUP Attachment E – Technical Specifications 675 | Page

|                   |              |                    |  | NAME: ROLANDO BLK 7G2                       |              |            |              |                |          |            |                 |         | R: 2960700  |
|-------------------|--------------|--------------------|--|---|--------------|------------|--------------|----------------|----------|------------|-----------------|---------|-------------|
|                   |              |                    | 0 BLK 7G2 T&C JOB 1                    | STATUS                                      |              |            |              |                |          |            |                 |         |             |
|                   |              |                    |  | GNED BY: GEORGE BONNER                      |              |            |              |                |          |            | 99 1            | LOCATIC | N 461 OF 58 |
| NRKI<br>F-CIMU ID | AU ID        | STOCK#             | DESCRIPTION/(                          | CONSTRUCTION NOTES                          | QTY<br>  RQD | <br>[ UM ] | WRK<br>  RSP | MAT '<br>RSP ' | TIM   AC | CISTANDARD | TYPE            | HOURS   |             |
| <br>1             | 1<br>1       | 322144 <br> 656400 | BEND CONDUIT DB 3<br>SLURRY MIX, 1 SAG | 3 IN 22.5 D 25 FT R<br>CK SAND              | 3<br>  1     | EA<br> CY  |              | C I<br>C I     | 1        | 1          |                 | <br>    |             |
| [-N               | LN-S/U       |                    | TC-LANE CLOSURE UR                     | BAN STREET                                  | i 1          | EA         | l<br>L C     | i              | sic      | i -        | TC3             |         |             |
| -N                | <br> LN/S/S  | t i                | LANE CLOSURE URBAN                     | ST (STREET REPAIR)                          | 1            |            | C            | i              | s i c    |            | TC4             |         |             |
| I-N               | <br>  PLANTU | ] I                | REMOVE/REPLACE LAN                     | DSCAPING                                    | i 10         | FT         | i c          | i              | sic      | i          | <br>[3-WF3      | 1.01    |             |
| I-N               | <br> SAW-CC  | i i                | SAW CUT CONCRETE                       |   | į 10         | FT         | <br>  C      | j              | sic      | İ          | <br> SR-3C      | 1.5     |             |
| [<br>-N <br>      |              | 1 1                |  | SECTION (5X5) FINISHED<br>K (3/4" ROCK MIX) | [ 1          | EA         | l C          | 1              | s   c    | 1          | i<br> SR3CS<br> | 1.0     |             |
| UNC COD           | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            | LONS.        | TRUCT          | ION NO   | res        |                 |         |             |
|                   | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                | ION NO   | res        |                 |         |             |
| UNC COD           | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                | ION NO   | TES        |                 |         |             |
|                   | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                |          |            |                 |         |             |
|                   | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                | ION NO   | FES        |                 |         |             |
|                   | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                |          | FES        |                 |         |             |
| "UNC COD          | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                |          |            |                 |         |             |
|                   | E DEŚC       |                    | EXIST TAG NEW                          |   | EE SHT 6     |            |              |                |          |            |                 |         |             |

| 09/05/1                  | 2 <b>-</b> LOCAL40-00<br>7 11:36 | 01                      |  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW (           | ELECTRIC          | TAI:               | L              |           |              |             |                    |                         |                         | AGE NO 522   |
|--------------------------|----------------------------------|-------------------------|--|---|-------------------|--------------------|----------------|-----------|--------------|-------------|--------------------|-------------------------|-------------------------|--------------|
| PROJECT                  | : 253568                         | JOB:01                  | REV:0 TYPE: UD   | NAME: ROLANDO BLK 7G2                                 | -T&C JOB          | 1                  |                |           |              | <u></u>     | STATUS: AC         | T WO)                   | RK ORDE                 | R: 2960700   |
| DESIGN:                  | 01 NAME :                        | ROLAND                  | O BLK 7G2 T&C JOB 1  | STATU:  | S: ACT            |                    |                |           |              |             |                    |                         | <b></b>                 |              |
|                          |                                  |                         |  | GNED BY: GEORGE BONNER                                |                   |                    |                |           |              | PHOI        | NE: 999-99         | 99                      | LÓCATIO                 | N 462 OF 587 |
| WRK <br> F-C MU          | ID IAU ID                        | STOCK#                  | DESCRIPTION/   | CONSTRUCTION NOTES                                    | I RQD             | UM                 | RSP            | RSP       | TIM <br> TRT | ACC         | STANDARD<br>[ PAGE | CREW<br> TYPE           | EST  <br> HOURS         |              |
| II-NI                    | 13'HD-A                          |                         | HAND DIG TRENCH 3  | FT DEEP AVE   | 34                | FT                 | C              |           | S            | I C         | G7453              | 3-WF3                   | 1 12.7                  |              |
| <br> I-N <br>            | BKF-3 '                          |                         | BACKFILL TRENCH 3  | FOOT DEEP   | 1 34              | FT                 | I C            | l<br>r    | S            | i C         | 1                  | 13-WF3                  | 0.5                     |              |
| 1<br> I-N <br>  1<br>  1 | l                                | <br> 611492 <br>        | SAND, FILL RECY  | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED          |                   | TN                 | 1              | l c       | I S          | C<br> <br>  | G7405<br> <br>     | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 |              |
| <br>  IN  <br>           | i                                | <br> 249664             | 1-3 IN DB CONDUIT<br>CONDUIT DB 3 IN                         |   | 34<br>  34        | FT                 | i c            | <br>  C   | S            | [ C<br>[    | 3373.1<br>         | 3-WF3                   |                         |              |
| <br> I-N <br>            | 1                                | <br> X30007             | EXCESS TRENCH SPOI<br>DUMPING FEE                            | L (12 IN DEEP)  | 34                | FT                 | i c<br>I       |           | S            |             | l<br>t             | C-DT                    | 0.9                     |              |
| I-N                      |                                  | 1 1                     | REMOVE/REPLACE LAN   | DSCAPING  | 1 34              |                    | Ċ              | <br> <br> | S            | ,<br>  C    | 1                  | 3-WF3                   | 3.4                     |              |
| <br>  I-N <br>           | Ì                                | <br> X20201 <br> 114215 | MACH DIG TRÈNCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI     | STEEL PLATE   | 44<br>  33<br>  1 | FT<br>  EA<br>  TN | i c<br>1       |           | S<br> <br>   | C<br> <br>  | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 1.8 <br>  1.8 <br>  3.5 |              |
| I-N <br>  I-N            | E                                | <br> X30007             | TRENCH SPOIL 3 FT<br>DUMPING FEE                             | DEPTH   | 44                | FT<br>  CY         | i c            | с         | <br>  S      | <br>  C<br> | i<br>I             | <br> C-DT<br> <br>      | 3.9 <br>  3.9           |              |
| <br>  I-N <br>           | 1                                | <br> 656400             |  | IN WIDE X 12 IN DEEP<br>CK SAND                       | 134               |                    | i c            |           |              |             | G7409              | 3-WF3                   | 0.31                    |              |
| <br> I-N <br>   <br>     | 1                                | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT<br>CONDUIT DB 3 IN<br>SLURRY MIX, 1 SA     | 20 FT LENGTH  | 1 44              | FT<br>  CY         | I.<br>I        | ЦС<br>ЦС  | ]<br>1       |             |                    | 3-WF3<br> <br>          | 0.6                     |              |
| I-N <br>  I-N <br>  !    | 1-35LB<br> <br>                  | 322048 <br>  656400     | 1-3 IN DB 90 D 36<br>  BEND CONDUIT DB<br>  SLURRY MIX, 1 SA | IN R BEND SLURRY ENC<br>3 IN 90 D 36 IN R<br>.CK SAND | i 1<br>  1<br>  1 | EA<br>  EA<br>  CY | i C<br>. <br>] |           | 5            | C<br> <br>  | 3373.2             |                         | i 0.1i                  |              |
| ]<br> I-N                | LN-S/U                           |                         | TC-LANE CLOSURE UR   | BAN STREET  | 1                 | ÉA                 | .  C           | 1         | S            | l C         |                    | I TC3                   | 1.0                     |              |
| <br>  I-N                | LN/S/S                           | i i                     | LANE CLOSURE URBAN   | I ST (STREET REPAIR)                                  | 1                 | ÉA                 | 1<br>.1 C      | i         |              | <br>  C     | Ì                  | TC4                     | <br>  1.0               |              |
| I-N                      |                                  | i i                     | SAW CUT CONCRETE   |   | i 10              | FT                 |                | i –       | <br>  S<br>  |             | Ì                  | SR-3C                   | [<br>  1_5 <br>  [      |              |
| I-N <br>                 | <br> CC-WLK<br>                  | i i                     | <br>  CONCRETE SIDEWALK<br>  CONCRETE - 6 SAC                | SECTION (5X5) FINISHED<br>K (3/4" ROCK MIX)           | i 1               | EA                 | <br>  C<br>    | i         | i s          | I C         | l.                 | SR3CS                   |                         |              |

WORK FAC FUNC CODE DESC

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EXIST TAG NEW TAG

CONSTRUCTION NOTES

SEE SHT 13

| DP001EM2-LO<br>09/05/17 11 | :36        |             |                  |          |         | DPSS - D  | DESIGN  | GAS AND<br>REVIEW C | OPY -       | DEI     |           |             |          |             |            |            |                | E       | AGE NO 523   |
|----------------------------|------------|-------------|------------------|----------|---------|-----------|---------|---------------------|-------------|---------|-----------|-------------|----------|-------------|------------|------------|----------------|---------|--------------|
| PROJECT: 25                | 3568       | JOB:01      | REV:0            | TYPE:    | UD      | NAME: RO  | OLANDO  | BLK 7G2             | -T&C        | JOB     | 1         |             |          |             |            |            |                |         | R: 2960700   |
| DESIGN: 01                 |            |             |                  |          |         |           |         | STATUS              |             |         |           |             |          |             |            |            |                |         |              |
| LOCATION: 4                |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            | VE: 999-99 |                | LOCATIC | N 463 OF 587 |
| WRK <br> F-C MU ID<br> +   | <br> AU ID | STOCK#      |                  | DESCRIPT | 'ION/CO | ONSTRUCT. | ION NOT | ES                  | R           | QD      | UM        | WRK<br>RSPI | RSP      | TIM <br>TRT | ACC<br>TRT | STANDARD   | CREW<br>  TYPE | HOURS   |              |
| I-N                        | 330926<br> | <br> 162690 | HAND HO<br>QUAZ  | DLE 3309 | .2 37   | "X 26" X  |         |                     | 1           | 1 <br>1 | EA <br>EA | 1           | I<br>C I | S  <br>     | с          | 3309.2     | 35WF3<br>      | 0.8     |              |
|                            | X09H26     | 162690      | INSTAL           |          |         |           |         |                     |             | 1 <br>1 | EA        | Ì           | i<br>D   | SI          | с          | 3309.2     | 1              | 0.8     |              |
| I-N <br>                   | 1-3SLB<br> | 322048      | 1-3 IN<br>  BÉND | CONDUIT  | DB 3    | IN 90 D   | 36 IN   |                     | 1<br>t<br>[ | 4       | ÈA)<br>EA | CI          | 1<br>C 1 | S           | С          | 3373.2     | Ì              | 0.2     |              |
|                            | 1          |             | SLURI<br>REMOVE, |          |         |           |         |                     | ]<br>]<br>] |         | [         | [           | 1        | - 1         |            |            | i              | 0.1     |              |
| WORK FAC<br>FUNC CODE      |            |             | EXIS             | i tag    | NEW 1   | FAG       |         |                     |             |         | <br>c     | CONSI       | RUCI     | ION         | NOT        |            |                |         | ·            |
|                            |            |             |                  |          |         | -         |         | S                   | SEE SH      | т 6     |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         | <u> </u>     |
|                            |            |             |                  | · ·      |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            | - • • · ·   |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                | ····    |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            | -          |                |         |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |
| <u>_</u>                   |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                | ····-   |              |
|                            |            |             |                  |          |         |           |         |                     |             |         |           |             |          |             |            |            |                |         |              |

|                          |                           |  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   |                        |                        |     |       |                     |                      |                           |                         | W OPDE                  | R: 2960700                            |
|--------------------------|---------------------------|--|--|------------------------|------------------------|-----|-------|---------------------|----------------------|---------------------------|-------------------------|-------------------------|---------------------------------------|
| OJECT:                   | 253568 0                  | JOB:01                                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   |                        |                        |     |       | - <u>-</u>          |                      |                           |                         |                         |                                       |
| SIGN: 0                  | 1 NAME:                   | ROLAND                                     | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                    |                        |     |       | · <b>····</b> ····· |                      |                           |                         |                         |                                       |
| CATION:                  | 464 SHEE                  | ET: 01                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                        |                        |     |       |                     |                      |                           |                         |                         | N 464 OF 587                          |
|                          |                           |  |  | QTY<br>  RQD           | <br>UM[                | WRK | MAT   | TIM<br>TRT          | ACC<br>TRT           | STANDARD                  | CREW                    | EST  <br> HOURS         | <br>                                  |
| [−N                      |                           |  | HAND DIC TRENCH 3 FT DEED AVE  | 1 18                   | FTI                    | C   | 1     | Ś                   | C                    | G7453                     | 13-WF31                 | [ 7.0]                  |                                       |
| -N <br>                  |                           |  | BACKFILL TRENCH 3 FOOT DEEP  |                        |                        |     |       |                     |                      |                           | 3-WF3<br> C-BC          | 0.31<br>0.31            |                                       |
| [<br>-N <br> <br>        | 1                         | i i  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | i 18<br>j 1            | FT  <br>TN             | С   | C     | S                   | C                    | 1G7405<br>1               | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1 |                                       |
| -N                       | <br> 1DB3-S<br>           | 2496641                                    | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | j 18                   | [FT]                   |     |       | s                   |                      | 3373.1                    | 3-WF3                   | i i                     |                                       |
| -N <br>                  | R-XCES                    | <br>  <b>X300</b> 07                       | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 18                     | FT  <br>CY             | с   |       | S                   | ,<br>, C<br>,        | ı<br> <br> <br>E          | C-DT                    | 0.5                     |                                       |
| [<br>-N                  | CC-2CT                    | , .  | CONCRETE 2 SAW CUT AND BREAK MECH  | 18                     | FT [                   | С   |       | S                   | 1 C                  | 1                         | SR3AS                   | 0.7                     |                                       |
| <br>[-N                  |                           | i i  | FINISH CONCRETE SURFACE MAN 12 IN  | i 18                   | FT                     | С   | l I   | S                   | i c                  | 1                         | ISR3CS                  |                         | <u></u>                               |
| 1-N1<br>1                | 1                         | <br> X20201 <br> 114215                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 7<br>  6<br>  1        | FT  <br>  EA  <br>  TN | с   | I C I | S                   | C<br> <br>           | G7453<br> <br>            | C-BC<br> C-BH<br> 35WF4 | 0.3 <br>0.3 <br>0.6     |                                       |
| E-N  .                   | REM-3 '                   | X30007                                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 7                    | FT                     | С   |       | S                   | 0 J                  |                           | C-DT                    |                         | · · · · · · · · · · · · · · · · · · · |
| [<br>[-]]                | SLR-18                    | 656400                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   |                        |                        |     |       | i                   | Ì                    | •                         |                         | ו ו                     |                                       |
| <br>  -N  <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 1<br>  7<br>  2<br>  2 | CY<br>FT<br>EA<br>EA   | С   |       | [ 5<br>[<br>]       | C<br> <br> <br> <br> | 3376.1<br> <br> <br> <br> | •                       |                         |                                       |
| <br>I-N                  | SAW-CC                    |  | SAW CUT CONCRETE   | i 10                   | FT                     | С   |       | S                   | C I                  | l                         |                         | [ 1.5]                  |                                       |
| [<br>[-N]<br>            |                           | <br> 248205                                | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | 1 1                    | EA<br>CY               | С   | i c   | S                   | C<br>                | 1                         | i SR3CS<br>I            | <br>  1.0 <br>          |                                       |
| <br>I-N1                 | LN-S/U                    |  | TC-LANE CLOSURE URBAN STREET   | 1                      | EA                     | C   | <br>[ | [ 5                 | C                    | 1                         |                         | 1_0                     |                                       |
| <br>I-N                  | <br>                      | 1  | LANE CLOSURE URBAN ST (STREET REPAIR)  |                        | EA                     | с   | 1     | S                   | l<br>c               |                           |                         | <br>  1.0               |                                       |

WORK FAC FUNC CODE DESC

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## CONSTRUCTION NOTES

SEE SHT 6

|                    |                          |                          | DPSS - DESIGN REVIEW CO  |                                 |                                    |     |          |                 |                 |                 | <b></b> :                 |                         |              |
|--------------------|--------------------------|--------------------------|--|---------------------------------|------------------------------------|-----|----------|-----------------|-----------------|-----------------|---------------------------|-------------------------|--------------|
|                    |                          |                          | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   |                                 |                                    |     |          |                 |                 |                 |                           |                         | R: 2960700   |
|                    |                          |                          | O BLK 7G2 T&C JOB 1 STATUS:  |                                 |                                    |     |          |                 |                 |                 |                           |                         |              |
| OCATION:           | 465 SHEE                 | ET: 01                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                 |                                    |     |          |                 | PHO             | NE: 999-99      | 99                        | LOCATIC                 | N 465 OF 587 |
| WRK <br>F-C MU I   |                          |                          | DESCRIPTION/CONSTRUCTION NOTES   |                                 |                                    |     |          |                 |                 |                 |                           |                         |              |
| I – N              | 3 <b>'</b> HD <b>-</b> A | E I                      | HAND DIG TRENCH 3 FT DEEP AVE  | 19                              | FT                                 | C   | 1        | S               | C               | G7453           | 3-WF3                     | 1 7.3                   |              |
| I-N <br>           |                          |                          | BACKFILL TRENCH 3 FOOT DEEP  | 19                              | FT                                 | C I | İ.       | S               | C               | 1               | 3-WF3                     | 0.3                     |              |
| 1-Ň <br> <br>      |                          | 611492                   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 19<br>  1<br>                   | FT<br>  TN<br>                     | ¢   | c<br>  c | S<br> <br>      | C<br> <br>      | G7405<br> <br>  | 3-WF3<br>  C-BH<br>  C-DT |                         |              |
| I-N                | 1DB3-S<br>               |                          | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 19<br>  19                      | FT<br>FT                           | C   | <br>  C  | Ś               | C<br>           | 3373.1<br>      | 3-WF3                     | i 0.3 <br>1             |              |
| I N                | R-XCES                   | <br> X30007              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 19<br>  2                       | FT<br> CY                          | C   | l l      | <br>  S<br>     | i c             | l               | C-DT                      | <br>  0.5 <br>          |              |
| I-N                | PLANTU                   |                          | REMOVE/REPLACE LANDSCAPING   | · 4                             |                                    | с   |          | [<br>[ 5        |                 | I               | (3-WF3                    | 0.4!                    |              |
| I-N                |                          | i i                      | CONCRETE 2 SAW CUT AND BREAK MECH  | i 15                            | FT                                 | с   | i        | l<br>s          | i c             | i               | SR3AS                     | 0.6                     |              |
| I-N                |                          | 1 1                      | FINISH CONCRETE SURFACE MAN 12 IN  | i 15                            | דיד                                | 1 C | ſ        | IS              | <br>  C         | [               | I SR3CS                   | 0.1                     |              |
| I-N <br> <br>      | 1                        | [<br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | ( 10<br>  8<br>  1              | FT<br>  EA<br>  TN                 |     |          | l S<br>I        | C<br> <br>      | G7453<br> <br>  |                           | 0.41<br>0.41            |              |
| I-N <br>           | REM-31                   | x30007                   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 10                            |                                    |     | i.       | <br>  S<br>     | i e             | <br>            | IC-DT<br>I                | 0.9                     |              |
| I-N <br>           | SLR-18<br>               | 656400                   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | i 30<br>i 2                     | FT<br>  CY                         | С   | l c      | I S<br>I        | i c<br>I        | G7409           | 3-₩F3<br>                 | 0.1                     |              |
| I-N <br> <br> <br> | 1EB3IN<br> <br> <br>     | 663528                   | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 10<br>  1<br>  10<br>  2<br>  2 | FT<br>  CY<br>  FT<br>  EA<br>  EA | C   |          | S<br> <br> <br> | C<br> <br> <br> | 3376.1<br> <br> | 1<br>I<br>I               | 0.1 <br>   <br>   <br>1 |              |
| I-N <br> <br>      | 1~3SLB <br> <br>         | 656400                   | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND COMDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 1<br>  1<br>  1                 | EA<br>EA<br>CY                     | C   | C<br>  C |                 | C<br> <br>      | 3373.2<br> <br> | 1                         | 0.1 <br>   <br>         |              |
| I-N                | SAW-CC                   |                          | SAW CUT CONCRETE   | 1 10                            | FT                                 | С   | i        | <br>  S         | i c             | İ               |                           | 1.5                     |              |
| I-N]               | 1                        | 248205                   | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | 2<br>  1                        | EA<br>CY                           | C   | l<br>C   | I               | 1 C<br>1        |                 | 1                         | 2.0 <br>                |              |
| i<br>I-Ni          |                          |                          |  |                                 |                                    |     |          | S               | •               |                 | <br>  TC3                 | <br>  1.0               |              |

| DP001EM2-LOC<br>09/05/17 11: | 36     |        |               |            | DP       | ss — DEŠIG | GAS AND<br>N REVIEW | COPY      | - DET    |     |          |                   |       |                 |          | P               | AGE NO     | 526     |
|------------------------------|--------|--------|---------------|------------|----------|------------|---------------------|-----------|----------|-----|----------|-------------------|-------|-----------------|----------|-----------------|------------|---------|
| PROJECT: 253                 | 568 3  | JOB:01 | REV:0 TY      | E: UD      | NAI      | ME: ROLANE | X BLK 7G2           | -T&C      | JOB      | 1   |          |                   | SI    | ATUS: A         | CT WC    | RK ORDE         | R: 2960    | 700     |
| DESIGN: 01                   | NAME   | ROLANE | O BLK 7G2 T&C | JOB 1      |          |            |                     | S: AC     | T        |     |          |                   |       |                 |          |                 |            |         |
| LOCATION: 46                 | 5 SHEE | ET: 02 | DISTRICT: CM  |            |          | BY: GEORG  |                     |           |          |     |          |                   |       | : 999-9         | 999      | LOCATIO         | N 465 O    | E 587   |
| WRK   <br> F-C MU ID         |        |        | DESCR         | PTION/     | CONS     | TRUCTION N |                     | ]         | QTY      | W   | IRK   MA | MITIT             | ACCIS | TANDARD<br>PAGE | TYPE     | EST  <br> HOURS |            |         |
| +<br>  _]  <br> I-N          | LN/S/S |        | LANE CLOSUR   | . URBAN    | ST       | (STREET RE | PAIR)               | <br> <br> |          | EAI | c        | <br>  S           | C     |                 | <br> TC4 | <br>  1.0       |            |         |
| WORK FAC<br>FUNC CODE        | DESC   |        | EXIST TAG     | NEW        | TAG      |            |                     |           |          | co  | ONSTRU   | CTION             | NOTES |                 |          |                 |            |         |
|                              |        |        |               |            | <b>_</b> |            |                     | SEE :     | SHT 6    |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 | . <u> </u> |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        | ·             |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          | ·               | ·          |         |
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|                              |        |        |               |            |          |            |                     |           | <u> </u> |     |          |                   |       |                 |          |                 |            |         |
| <u> </u>                     |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              | ~      |        |               |            |          |            |                     |           |          |     |          | <u>-</u>          |       |                 |          |                 |            |         |
|                              |        |        |               | _          |          |            |                     |           |          |     |          |                   |       |                 | ••••     |                 |            | <u></u> |
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|                              |        |        |               |            |          |            | -av-                |           |          | -   |          | .t. <del></del> . |       |                 |          |                 |            |         |
|                              |        |        | <u>.</u>      |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           | <u> </u> |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
| <u> </u>                     |        |        | <u> </u>      |            |          |            |                     |           |          |     |          |                   |       | <u> </u>        |          |                 | -          |         |
|                              |        |        |               |            |          |            |                     |           |          |     |          |                   |       |                 | ·        |                 |            |         |
|                              |        |        | <u></u>       |            |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
|                              |        |        |               | ; <u> </u> |          |            |                     |           |          |     |          |                   |       |                 |          |                 |            |         |
| DP001EM2-LO<br>09/05/17 11 | CAL40-00<br>:36      | 01                                    |  | SAN DIÈGO GAS AND<br>DPSS - DESIGN REVIEW (      | ELECTRIC<br>COPY - DE           | TAII                               |      |                |                  |      |                 |                         | PA                      | GE NO 527   |
|----------------------------|----------------------|---------------------------------------|--|--|---------------------------------|------------------------------------|------|----------------|------------------|------|-----------------|-------------------------|-------------------------|-------------|
| PROJECT: 25                | 3568 3               | JOB:01                                | REV:0 TYPE: UD   | NAME: ROLANDO BLK 7G2                            | -T&C JOB                        | 1                                  |      |                |                  |      | STATUS: AC      | T WO                    | RK ORDER                | L: 2960700  |
|                            | NAME :               | ROLANDO                               | ) BLK 7G2 T&C JOB 1  |  | S: ACT                          |                                    |      |                |                  |      |                 |                         |                         |             |
| LOCATION: 4                | 66 SHEE              | ET: 01 I                              | DISTRICT: CM DESI  | GNED BY: GEORGE BONNER                           |                                 |                                    |      |                |                  | PHOI | NE: 999-99      | 99                      | LOCATION                | 1 466 OF 58 |
| [WRX]                      | 1                    | 1                                     |  | CONSTRUCTION NOTES                               | QTY                             | 1 1                                | WRK  | MAT            | TIM              | ACC  | STANDARD        | CREW<br> TYPE           | EST  <br> HOURS         |             |
| I-N <br>                   | [AB-M18<br>[         | I I                                   | ASPHALT BASE MEC<br>ASPHALT (BASE)                         |  | 27<br>  3                       | FT<br>  TN                         | С    |                | S                | С    |                 | IC-BC                   | 0.71                    |             |
|                            |                      |                                       | ASPHALT 2 SAW CUT  | AND BREAK MECH                                   | 1 27                            |                                    |      | <br> <br>1     |                  | С    |                 | SR3AS                   | 0.7                     |             |
| I-N;<br>   <br>            | BH03XH<br> <br>      | <br> X20201 <br> 114215               | MACH DIG TRENCH 3<br>TRAFFIC BEARING 3<br>ASPHALT, COLD MI | FT DEEP BACKHOE<br>STEEL PLATE                   | 33<br>  25<br>  1               | FT<br>  EA<br>  TN                 | Ċ    | <br>  C<br>  C | S  <br>     <br> | С    | G7453           | C-BC<br> C-BH<br> 3SWF4 | 1.3 <br>  1.3 <br>  2.6 |             |
| ]<br> I-N <br>             | ] REM-3 '<br>]       |                                       | TRENCH SPOIL 3 FT<br>DUMPING FEE                           | DEPTH  | 33<br>9                         | <br>  FT<br>  CY                   | С    | <br> <br>  C   | S                | С    | <br> <br>       | <br> C-DT<br>           | • •                     |             |
|                            | SLR-18               | [  <br>[656400]                       | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                     | IN WIDE X 12 IN DEEP<br>CK SAND                  | 99<br>6                         | FT                                 | c    | c              | iii              | _    | G7409<br>       | 3-WF3<br> <br>          |                         |             |
| I-N  <br>     <br>         | 1EB3IN<br> <br> <br> | [<br>[248201]<br>[249664]<br>[663528] | CONDUIT DE 3 IN 3  | K (GRAVEL MIX)<br>20 FT LENGTH<br>ATE 5 IN 2-WAY | 33<br>  1<br>  33<br>  6<br>  6 | FT<br>  CY<br>  FT<br>  EA<br>  EA |      |                | S  <br>   <br>   | с    | 3376.1<br> <br> | 3-WF3<br> <br> <br>     | 0.5 _                   |             |
| I-N                        | <br>  SAW-ÇC         | [                                     | SAW CUT CONCRETE   |  |                                 | <br>  FT                           |      | [              | I S I            | с    | [               |                         |                         |             |
| <br> I-N <br>              | 1                    | 248205                                |  | SECTION (5X5) FINISHED<br>K (3/4" ROCK MIX)      | [ 1                             | CY                                 | ]    | [ C            | <br>  S  <br>    |      | [               | I                       | 1.01                    |             |
| <br>  I-N                  | <br> LN-S/U<br>      | i i                                   | TC-LANE CLOSURE UR   | BAN STREET                                       | [ 1                             |                                    | i c  |                | េន               |      | ĺ               | ј тсз                   | 1.0                     |             |
|                            | LN/S/S               |                                       | LANE CLOSURE URBAN   | ST (STREET REPAIR)                               | •                               |                                    | •    | •              |                  | с    |                 |                         | 1.01                    |             |
| WORK FAC<br>FUNC CODE      |                      |                                       | EXIST TAG NEW  | TAG  |                                 | (                                  | CONS | IRUC'          | FION             | NOT  | ES              |                         |                         |             |
|                            |                      |                                       |  | 5  | SEE SHT 6                       |                                    |      |                |                  |      |                 |                         |                         |             |

| ROJECT: 25              | 3568 3                    | JOB:01                                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                      | 1                               |                 |              |              | Ş                  | STATUS: AC                | CT WO                    | K ORDE               | R: 2960700  |
|-------------------------|---------------------------|--|--|-------------------------------|---------------------------------|-----------------|--------------|--------------|--------------------|---------------------------|--------------------------|----------------------|-------------|
| ESIGN: 01               | NAME                      | : ROLAND                                   | D BLK 7G2 T&C JOB 1 STATUS   | : ACT                         |                                 |                 |              |              |                    |                           |                          |                      |             |
|                         |                           |  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                               |                                 |                 |              |              |                    | NE: 999-99                |                          |                      | N 467 OF 58 |
| WRK <br>F-C MU ID       | <br> AU ID                | [ [<br> STOCK#                             | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                  | <br>  ÚM                        | WRK<br>  RSP    | MAT<br>  RSP | TIM<br>  TRT | ACC                | STANDARD<br>PAGE          | I CREW                   | EST  <br>HOURS       |             |
| +                       | -+                        | +  | HAND DIG TRENCH 3 FT DEEP AVE  | 30                            | FT                              | +<br>] C        | +<br>[       | +<br>  S     | i c                | G7453                     | 13-WF3                   | 11.3                 |             |
| I-N <br>                | 1                         | 1 1<br>1 I                                 | BACKFILL TRENCH 3 FOOT DEEP  | 30                            | FT                              | i c             | 1            | S            | C                  |                           | 3-WF3<br> C-BC           | 0.50                 |             |
| I-N <br>[               | 1                         | i i  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 30<br>  2                     | FT<br>  TN<br>                  | C<br> <br>      | <br>  c<br>  | S<br> <br>   | [ C<br>[<br>[      | G7405<br> <br>            | C-BH<br>  C-DT           | 0.11<br>0.11<br>0.11 |             |
|                         | 1                         | [249664]                                   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 30                            |                                 | I C             | l c          | S            | 1 C<br>1           | 3373.1                    |                          | 0.5 <br>             |             |
| I-N                     | 1DB3SB                    | 3220481                                    | 1-3 IN DE 90 D 36 IN R BEND SEC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R   | i 1<br>  1                    | EA<br>  EA                      | i c<br>I        | l<br>I C     | I S          | i c<br>I           | 3373.2<br>                | 13-WF3                   | i i<br>I I           |             |
| I.                      | [                         | 1<br>1x300071                              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 30<br>  3                     | FT<br>  CY                      | i c             | 1<br>1 C     | I S          | C<br>              | <br>                      |                          | 0.8                  |             |
| I-N                     | PLANTU                    | 1 1  | REMOVE/REPLACE LANDSCAPING   | 20                            | FΤ                              | 1 C             |              | 1 S          | C                  |                           | 3-WF3                    | 2.0                  |             |
| I-N [                   |                           | i i  | CONCRETE 2 SAW CUT AND BREAK MECH  | i 13                          | ] FT                            | C               | Ì            | S<br>        | i C                | Ī                         | <br>  SR3AS<br>          | 0.5                  |             |
| I-NI                    |                           | i i  | FINISH CONCRETE SURFACE MAN 12 IN  | i 13                          | FT                              |                 | İ.           | S            | I C                | l                         | I SR3CS                  | 0.1                  |             |
| <br>I-N <br> <br>       |                           | <br> X20201 <br> 114215                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 7<br>  6<br>  1               | FT<br>  EA<br>  TN              | C<br>           |              | S<br> <br>   | C<br> <br>         | G7453<br> <br>            | IC-BC<br>IC-BH<br>I3SWF4 | 0.3<br>0.3           |             |
| I-N                     | 1                         | X30007                                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 2                             | FT<br>  CY                      | ] C<br>I        | 1 C          | •            | i c<br>I           | 1                         | ]<br> CDT<br>            | 0.6                  |             |
| 1<br>1-N <br>           | SLR-18                    | 16564001                                   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 21                            | FT<br>  CY                      | i –             | i<br>I C     |              | i c<br>I           | G7409<br>                 |                          |                      |             |
| I-N <br> <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 7<br>  1<br>  7<br>  2<br>  2 | IFT<br>ICY<br>IFT<br>IEA<br>IEA | C<br> <br> <br> |              | s            | ( C<br>(<br>(<br>) | 3376.1<br> <br> <br> <br> | 3−₩£3                    | 0.1                  |             |
| I-NI                    | 1-3SL8<br> <br>           | 321878 <br> 656400                         | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 1<br>  1<br>  1               | <br> EA<br> EA<br> CY           | C<br> <br>      | i<br>i c     | S            | C<br>              | 1<br>13373.2<br>1         |                          | I.                   |             |
| I-N                     | SAW-CC                    | •  | SAW CUT CONCRETE   | ,<br>10                       | FT                              | i c             |              |              |                    |                           |                          |                      |             |
| <br>I-N                 | <br> CC-WLK               |  | CONCRETE SIDEWALK SECTION (5X5) FINISHED   |                               |                                 |                 |              | <br>  \$     |                    | 1                         | <br> SR3CS               |                      |             |

| DP001EM2-LOCAL40-001<br>09/05/17 11:36           | SAN DIEGO GAS AND EI<br>DPSS - DESIGN REVIEW COD | LECTRIC<br>PY - DETAIL                |                          | PAGE NO 529                  |
|--|--|---------------------------------------|--------------------------|------------------------------|
| PRQJECT: 253568 JOB:01 REV:0 TYPE                | UD NAME: ROLANDO BLK 7G2 -1                      |                                       |                          | T WORK ORDER: 2960700        |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C J           | OB 1 STATUS:                                     |                                       |                          |                              |
| LOCATION: 467 SHEET: 02 DISTRICT: CM             | DESIGNED BY: GEORGE BONNER                       |                                       | PHONE: 999-99            | 99 LOCATION 467 OF 587       |
| WRK       <br> F-C MU ID  AU ID  STOCK#1 DESCRIF |  | QTY    WRK MAX<br>  RQD  UM RSP RS]   | I   TIM   ACC   STANDARD | CREW   EST                   |
|  | 6 SACK (3/4" ROCK MIX)                           | 1 CY    C<br>      [<br>  1 EA  C     | [    <br>  S   C         | I I I<br>I I I<br>ITC3 I 1.0 |
| <br> I-N   LN/S/S]   LANE CLOSURE                |  |                                       |                          |                              |
| WORK FAC<br>FUNC CODE DESC EXIST TAG             | NEW TAG  | CONSTRUC                              | CTION NOTES              |                              |
|  |  | E SHT 6                               |                          |                              |
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| DP001EM2-LO<br>09/05/17 11 | :36          |              |                                  |                     |                | DPSS -                                | DESIGN  | GAS AND<br>REVIEW | COPY - I |  |                |              |     |          |  |       | P      | AGE NO 530   |
|----------------------------|--------------|--------------|----------------------------------|---------------------|----------------|---------------------------------------|---------|-------------------|----------|--|----------------|--------------|-----|----------|--|-------|--------|--------------|
| PROJECT: 25                | 3568         | JOB:01       |                                  | TYPE:               | UD             | NAME: 1                               | ROLANDO | BLK 7G2           | -T&C JC  |  |                |              |     | <u>د</u> | TATUS: AC                                    | T WOF | K ORDE | R: 2960700   |
| DESIGN: 01                 | NAME         | : ROLANI     |                                  | 2 T&C JO            | в 1            |                                       |         |                   | S: ACT   |  |                |              |     |          |  |       |        |              |
| LOCATION: 4                | 68 SHE       | ET: 01       | DISTRICT                         | : CM                |                |                                       | GEORGE  | BONNER            |          |  |                |              |     |          | TE: 999-99                                   |       | OCATIO | N 468 OF 587 |
| WRK]<br> F-C MU ID         | <br> AU ID   | <br>  STOCK# |                                  |                     |                |                                       |         | TES               | RQI      | ) UM   | RSP            | RSPI         | TRT | TRT      | STANDARD<br>PAGE                             | ]TYPE | HOURS  |              |
|                            | 330926<br>   |              | HAND H<br>QUAZ                   | OLE 3309            | .2 37          | "X 26"                                |         |                   | i i      | 1   EA<br>1   EA                             | ι C  <br>1 - 1 | 1 1          | S   | с        | 3309.2                                       | 3SWF3 | 0.81   |              |
| [I-N]                      | X09H26<br>   | <br> 162690  | INSTAL<br>QUAZ                   | L EXCAVA<br>ITE BOX | TION/<br>37"X2 | REMOVE<br>6"26"                       |         |                   |          | 1   EA<br>1   EA                             |                | 1 1          | S   | С        | 3309.2                                       |       | 0.8    |              |
| I-N                        | 1-3SLB<br>   | 322048       | <br>  1-3 IN<br>  BEND<br>  SLUR | CONDUIT             | DB 3           | IN 90                                 | D 36 IN |                   | L        |  | C              | 1 1<br>  C 1 | s   | с        | 3373.2                                       |       | 0.21   |              |
| I I I I                    | <br>  PLANTU |              |                                  |                     |                |                                       |         |                   | Ì        | 1  | i i            | İ 1          |     |          |  | i i   |        |              |
| WORK FAC<br>FUNC CODE      |              |              | EXIS                             | t tağ               | NEW            | TAG                                   |         |                   |          | (  | CONST          | FRUCT        | ION | NOTI     | s  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   | SEE SHT  | 6  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     | `              |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          | <u>.                                    </u> |                |              |     |          |  |       |        | ·            |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         | <b>.</b> .        |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  | ····  |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            | • ···        |              |                                  |                     |                |                                       |         | - <u>-</u>        |          |  |                |              |     |          | · · · ·                                      |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                | <b></b>                               |         |                   |          |  |                |              |     |          | <u>.                                    </u> |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                | · · · · · · · · · · · · · · · · · · · |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       |        | ·            |
|                            |              |              |                                  |                     |                |                                       |         |                   |          | <u></u>                                      | -              |              |     |          |  |       |        |              |
|                            |              |              |                                  |                     |                |                                       |         |                   |          |  |                |              |     |          |  |       | ,      |              |

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| ROJECT:            | 253568               | JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                                  | 1                                  |                    |             |                      |                 |                      | T WOR                   | RK ORDE                    | R: 2960700  |
|--------------------|----------------------|---|--|---|------------------------------------|--------------------|-------------|----------------------|-----------------|----------------------|-------------------------|----------------------------|-------------|
| ESIGN:             |                      | : ROLAND  | 0 BLK 7G2 T&C JOB 1 STATUS   | : ACT                                     |                                    |                    |             |                      |                 |                      |                         |                            |             |
| OCATION            | : 469 SHE            |   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |   |                                    |                    |             |                      | PHO             | NE: 999-99           | 999 1                   | LOCATIO                    | N 469 OF 58 |
| WRK  <br>F-C   MU  | ID IAU ID            | <br> STOCK#                                     | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                              | l<br>I UM                          | WRK<br> RSP        | MAT<br> RSP | TIM<br> TRT          | ACC             | STANDARD<br>  PAGE   | CREW<br> TYPE           | EST  <br> HOURS            |             |
| I-N                | ]3'HD-A              | [ ]   | HAND DIG TRENCH 3 FT DEEP AVE  | 17  | ¦FT                                | C                  | 1           | S                    | C               | G7453                | 3-WF3                   | 6.6                        |             |
| I-N <br>           | <br> BKF-3'<br> <br> |   | BACKFILL TRENCH 3 FOOT DEEP  | 17  | FT                                 | C                  | Í.          | S                    | i C             | İ.                   | 3-WF3<br>  C-BC         | 0.3                        |             |
| <br>I-N <br> <br>  | SHD-12<br>           | i i   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 17<br>  1                                 | TN<br>                             | C<br> <br>         | 1           | S<br> <br>           | C<br> <br>      | G7405<br> <br>       | C-BH<br>  C-DT          | 0.1<br>0.1<br>0.1          |             |
| I-N                | i                    |   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 17<br>  17                                | 1<br>1 FT<br>1 FT<br>1             | i c<br>I           |             | S<br>                | C<br>           | 3373.1               |                         | 0.3 <br>                   |             |
| I-N                | R-XCES               | i i   | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | לו  <br>2                                 | FT<br> CY                          | i ¢                | i i         | \$                   | i c             | <br> <br>            | C-DT                    | 0.4                        |             |
| I-N                | PLANTU               | i i   | REMOVE/REPLACE LANDSCAPING   |   | <br>  FT                           |                    |             | [ 5                  | C               | 1                    | 3-WF3                   | 1.7                        |             |
| I-N                |                      | 1 1   | ASPHALT 2 SAW CUT AND BREAK MECH   | [ 12                                      | FT                                 | 1 C                | l<br>I      | S                    |                 |                      | <br> SR3AS              | 0.3                        |             |
| I-N <br> <br>      | 1                    | i i   | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 1 2                                       | FT<br>  TN<br>  TN                 |                    | I C         |                      | 1               | l                    | <br> C-BC<br> SR4AL<br> | 0.3 <br>  0.3              |             |
| I-N                | BH03XH<br> <br>      | <br> X20201[<br> 114215                         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 24<br>  18<br>[ 1                         | FT<br>  EA<br>  TN                 | i ¢<br>1<br>1      |             | ] S<br>]             | F C<br> <br>    | G7453<br> <br>[      | C-BC<br> C-BH<br> 3SWF4 | [ 1.0 <br>[ 1.0 <br>  1.9! |             |
| I-N <br>           | REM-3'               | <br>[    <br>[X30007 <br>[                      | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 24<br>1 6                               | ICY                                | I C                | i i         | ្រ                   | i c             | 1                    | IC-DT                   | 2.1                        |             |
| и–ц<br> <br>       | SLR-18               | E I   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 76<br>  5                                 |                                    | I C                | ſ           | S<br>                | C<br>           | G7409<br>            | <br> 3-WF3<br>          | 0.2                        |             |
| I-N <br> <br> <br> | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 72<br>  2<br>  72<br>  72<br>  13<br>  13 | FT<br>  CY<br>  FT<br>  EA<br>  EA | 1 C<br>1<br>1<br>1 |             | S<br> <br> <br> <br> | C<br> <br> <br> | 3376.1<br> <br> <br> |                         | 1 0                        |             |
| I-N <br> <br>      | 1-3SLB<br> <br>      | 322048  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 2<br>  2<br>  1                           | EA<br> CY                          | C                  | i c<br>i c  | l S                  | C<br> <br>      | 3373.2<br> <br>      |                         | 1 I                        |             |
| I-N                | LN-S/U               | i i   | TC-LANE CLOSURE URBAN STREET   | 1   | EA                                 |                    | Í.          |                      |                 | İ.                   | <br> TC3                | 1.0                        |             |
| I-N]               | LN/S/S               | i i   | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1 1                                       | ,<br>EA                            | i c                | i –         | <br>  S              | • -             | i                    | TC4                     | 1 1.0                      |             |
| I-N                | !<br>! PLANTU        |   | REMOVE/REPLACE LANDSCAPING   | <br>  10                                  |                                    |                    |             | <br>  S              |                 |                      | <br> 3-WF3              |                            |             |

| PROJECT: 253568 JOB:01                   | REV:0 TYPE: UD                          | NAME: ROLANDO BLK 7        | 7G2 -T&C JOB 1          | <br>STA1                                | TUS: ACT WOR    | RK ORDER: 2960700                     |
|--|---|----------------------------|-------------------------|---|-----------------|---------------------------------------|
| DESIGN: 01 NAME: ROLAND                  | O BLK 7G2 T&C JOB 1                     | STA                        | ATUS: ACT               |   |                 |                                       |
| LOCATION: 469 SHEET: 02                  | DISTRICT: CM DESIG                      | NED BY: GEORGE BONNE       | ER                      |   |                 | LOCATION 469 OF 58                    |
| WRK]   i i<br> F-C MU ID  AU ID  STOCK#  | DESCRIPTION/C                           | CONSTRUCTION NOTES         | QTY    W<br>  RQD  UM F | RK MAT TIM ACC STA<br>SP[RSP[TRT TRT] B | PAGE   TYPE     | HOURS                                 |
| +++<br>      1 1<br> I-N   SAW-CC   <br> | SAW CUT CONCRETE                        |                            | <br>  10[FT <br>        | <br>C    S   C  <br>                    | <br>  SR-3C<br> | <br>  1.5                             |
| II-N  CC-WLK  [<br>       248205         | CONCRETE - 6 SACK                       | <pre>(3/4" ROCK MIX)</pre> | 1 1 CY                  |   |                 | 1                                     |
| WORK FAC<br>FUNC CODE DESC               |   |                            |                         | NSTRUCTION NOTES                        |                 |                                       |
|  |   |                            | SEE SHT 6,10            |   |                 |                                       |
|  |   |                            |                         |   |                 |                                       |
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|  |   |                            |                         |   |                 |                                       |
|  |   |                            |                         |   |                 |                                       |

| BOJECT - 2        |                           |  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G  |                |                         |                                    |     |                              |     |     |                  | ים או די                      | W OPPF              | R: 2960700 |
|-------------------|---------------------------|--|--|----------------|-------------------------|------------------------------------|-----|------------------------------|-----|-----|------------------|-------------------------------|---------------------|------------|
| • •• •            |                           |  |  |                |                         |                                    |     |                              |     |     |                  |                               |                     |            |
|                   |                           |  |  |                |                         |                                    |     |                              |     |     |                  |                               |                     |            |
|                   |                           | <b>_</b>                                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                |                         |                                    |     |                              |     |     |                  |                               |                     |            |
| WRK <br>F-C MU II | <br>  AU ID               | <br> STOCK#                                | DESCRIPTION/CONSTRUCTION NOTES   | RQ             | Dİ                      | UM                                 | RSP | RSP                          | TRT | TRT | STANDARD<br>PAGE | TYPE                          | HOURS               |            |
| I-N               |                           | i i  | HAND DIG TRENCH 3 FT DEEP AVE  | i              | 16                      | ET                                 | С   | 1 1                          | S   | С   | G7453            | 3-wf3                         | 6.3                 |            |
| I−N[              | BKF-3 '                   | i i<br>I 1                                 | BACKFILL TRENCH 3 FOOT DEEP  |                | 16<br>                  | ΞT  <br>                           | С   | 1 1                          | S   | С   |                  | 13-WF3<br>1C-BC               | 0.2                 |            |
| I-N               | [<br>  SHD-12<br> <br>    | 1 1  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  |                | 16 <br>11 <br>          | FT                                 | С   | 1 C  <br>1 C  <br>1 I I      | S   | с   | G7405<br>        | C-BH<br>  C-DT                | 1<br>  1            |            |
| 1-N               | I                         |  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | i              | 16 <br>16               | ΞT                                 |     | 1  <br>1  <br>1   C  <br>1   | S   | Ç   | 3373.1<br>       | <br> 3-WF3<br>                | 0.2                 |            |
| I-NI              | R-XCES                    | i i  | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  |                | 16 <br>2                | FT  <br>CY                         | С   | i i                          | S   | с   | 1                | <br> C-DT<br> <br>            |                     |            |
| I-N[              | I<br>[P⊑ANTU              |  | REMOVE/REPLACE LANDSCAPING   |                | 10                      |                                    | ¢   |                              | S   | с   | 1                | 3-WF3                         | 1.0                 |            |
| [<br>⊥−N[         |                           |  | CONCRETE 2 SAW CUT AND BREAK MECH  |                | 6                       |                                    | С   | 1 1<br>1 1                   | SI  | с   | 1                | <br>  sr3as                   | 0.2                 |            |
| I-N               | <br> CF-H12               | i i  | FINISH CONCRETE SURFACE MAN 12 IN  |                | 6                       |                                    | С   | <br>]                        | S   | c   | 1                | <br>  SR3CS                   | i i                 |            |
| I-N[              |                           | i i  | ASPHALT 2 SAW CUT AND BREAK MECH   |                | 15                      |                                    | С   |                              | S   |     | 1                | <br>  SR3AS                   | 0.4                 |            |
| ן<br>א-ד<br>ו     | 1                         | <br> 114201                                | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  |                |                         | FT                                 | С   |                              | S   |     | 1<br>1           | <br> C-BC<br> SR4AL           | 0.4                 |            |
| Ľ−N               | ЗН0ЗХН<br>                | X20201(<br> 114215(                        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  |                | 19i<br>1i               | EA  <br>TN                         |     |                              | S   |     | G7453            | ]<br> C-BC<br> C-BH<br> 3SWF4 | 1.0 <br>1.0 <br>2.0 |            |
| I-N               | REM-3'                    | X30007[                                    | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   |                | 25 İ                    | <br>FT <br>CY                      | ¢   |                              | S   | с   | E<br>E           | <br> C-DT<br>                 | 2.2                 |            |
| I-N               | SLR-18<br>                | 1656400                                    | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | i<br>I<br>I    | 51                      | CYI                                |     |                              | ۲ I |     | G7409            | <br> 3-WF3<br>                | i i                 | <u> </u>   |
| I-N               | 12331N<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | Ì              | 21<br>981<br>171<br>171 | FT  <br>CY  <br>FT  <br>EA  <br>EA | С   | C  <br>  C  <br>  C  <br>  C | S   | С   | 3376.1           | <br> 3-WF3<br> <br> <br>      | • •                 |            |
| 1<br>I-N!<br>[    | 1-3SLB<br> <br>           | 322048 <br> 656400                         | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | <br> <br>1<br> | 2 :<br>2 :<br>1 :       | EA<br>CY                           | С   | <br>  C  <br>  C             | 1   |     |                  | i                             |                     |            |
| [<br>⊥–]N         |                           | 1<br>                                      | TC-LANE CLOSURE URBAN STREET   | l              |                         | <br>EAI                            |     | <br>]                        | 5 1 | C   | 1                | <br>  TC3                     | <br>  1             |            |

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| P001EM2-LOC<br>9/05/17 11: | :36         | )1.      |                |         |                 |         | O GAS AND<br>N REVIEW |             | - DEI    |     |      |      |       |          |                  |               |         | AGE NO 534   |
|----------------------------|-------------|----------|----------------|---------|-----------------|---------|-----------------------|-------------|----------|-----|------|------|-------|----------|------------------|---------------|---------|--------------|
| OJECT: 253                 | 3568        | JOB:01   | REV:0 TY       | PE: UD  | NAME :          | ROLANDO | 0 BLK 7G2             | 2 -T&C      | JOB      | 1   |      |      |       |          |                  |               |         | R: 2960700   |
| SIGN: 01                   | NAME        | ROLANI   | DO BLK 7G2 T&C | JOB 1   |                 |         | STATU                 | JS: A       | CT       |     |      |      |       |          |                  |               |         |              |
|                            |             |          | DISTRICT: CM   |         |                 |         |                       |             |          |     |      |      |       |          | E: 999-99        |               | OCATIO  | N 470 OF 587 |
| NRK <br>~C[MU ID           | AU ID       | STOCK#   | DESCR          |         | CONSTRU         |         |                       | i.          |          | ŪM  | RSP  | RSP  | TRT   | TRT      | STANDARD<br>PAGE | [TYPE         | HOURS [ |              |
| <br>-N                     | <br> LN/S/S | [  <br>[ |                | e urbad | IST (ST         | REET RE | PAIR)                 | 1<br>1<br>1 | 1        | EA  | Сİ   | E I  | , ș i | c  <br>  |                  | <br>  TC4<br> | 1.0     | <u>_</u>     |
| -N                         | plantu<br>  | 1        | REMOVE/REPI    | ACE LAN | <b>IDSCAPIN</b> | G       |                       |             |          | FT[ |      |      |       | CI       |                  | 3-WF3 <br>    |         |              |
| -N                         |             | i        | SAW CUT CON    | CRETE   |                 |         |                       | İ           |          | FT  |      |      |       | CI       |                  | SR-3C         | 1.5     |              |
| -NI                        | CC-WLK      | l I      | CONCRETE SI    | - 6 SAG |                 | ROCK M  | IIX)                  | <br> <br>   | 1        | EAL | Ç    |      | S     | с і<br>1 |                  | SR3CS<br>     |         |              |
| ORK FAC<br>UNC CODE        |             |          | EXIST TAG      | NEW     | V TAG           |         |                       |             |          | С   | ons: | TRUC | rion  | NOTE     | s                |               |         |              |
|                            |             |          |                |         |                 |         |                       |             | SHT 6    |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       | -           |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             | <u> </u> |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       | <u> </u>    |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             | ·.       |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          | <u></u>          |               |         |              |
|                            |             |          |                |         |                 |         | <u> </u>              |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          | •              |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         | ~                     |             |          |     |      |      |       |          | _!               |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          | <u> </u>         |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      | _    |       |          |                  |               |         |              |
|                            |             | •        |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |
|                            |             |          |                |         |                 |         |                       |             |          |     |      |      |       |          |                  |               |         |              |

| DP001EM2-L<br>09/05/17 1                | 1:36                 |                                     | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | PY - DE                     | TAII                                       | Ĺ        |             |            |            |                    |                          | E                       | AGE NO 535   |
|---|----------------------|-------------------------------------|--|-----------------------------|--|----------|-------------|------------|------------|--------------------|--------------------------|-------------------------|--------------|
| PROJECT: 2                              | 53568                | JOB:01                              | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                     | 1  |          |             |            | :          |                    |                          |                         | R: 2960700   |
| DESIGN: 01                              | NAME                 | : ROLANE                            | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                         |  |          |             |            |            |                    |                          |                         |              |
| LOCATION:                               | 471 SHE              | ET: 01                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                             |  |          |             |            | PHO        | NE: 999-99         | 99                       | LOCATIO                 | N 471 OF 587 |
| WRK]<br> F-C MU ID                      | JAU ID               | STOCK#                              | DESCRIPTION/CONSTRUCTION NOTES   | RQD                         | [ UM ]                                     | RSP      | RSP         | TRT        | TRT        | STANDARD<br>  PAGE | TYPE                     | HOURS                   |              |
| I-N                                     |                      | i i                                 |  | 13                          | [ FT                                       | C        | i i         | S          | i c        | G7453              | 3-WF3                    | 1 5.2                   |              |
| I-N                                     | BKF-3 '              | i i<br>I I                          | BACKFILL TRENCH 3 FOOT DEEP  | 13                          | FT <br>                                    | с        | l<br>1      | S<br>      | I C        |                    | 3-WF3<br> C-BC           | 0.2                     |              |
| I-N <br>  I-N <br>                      | 1                    | i i                                 | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 1                           | TN   |          | <br>  c<br> |            |            | G7405<br>          | C-BH<br> C-DT            | [  <br>[ [              |              |
| ] [<br>] I-N[<br>] [                    | 1                    |                                     | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | j 13<br>  13                | $ \mathbf{FT} $                            | i c      | <br>  C     | 1          | I C<br>I   | 3373.1             | 1                        | 0.2]<br>                |              |
|   | R-XCES               | <br> X30007                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 13<br>  2                   | FT<br> CY                                  |          | i<br>i c    | ]          | С          | <br>               | ]<br> C-DT<br>]          | 0.3 <br>                |              |
| [I-N]                                   | PLANTU               |                                     | REMOVE/REPLACE LANDSCAPING   | 1 1                         | FT   | c        | l           | S          |            | [                  | <br> 3-WF3               | 0.1                     |              |
| [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] |                      | i i                                 | CONCRETE 2 SAW CUT AND BREAK MECH  | ! 1                         |  | C        | [           | l s        | C          | [                  | I<br>I SR3AS             | i i                     |              |
| L  <br>  I-N                            |                      | i i                                 | FINISH CONCRETE SURFACE MAN 12 IN  | 1                           | FT   | l<br>I C | t           | l<br>IS    | C          | ſ                  |                          | i i                     |              |
| [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] |                      | i i                                 | ASPHALT 2 SAW CUT AND BREAK MECH   | ! 15                        | FT   | l<br>C   | E           | I S        | i c        | 1                  | <br> SR3AS               | 0.4                     |              |
| [                                       |                      | i i                                 | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | ! 15<br>  2                 | FT  <br>  TN                               |          | [<br>  C    | [          | C          | -<br>[             | <br> C-BC<br> SR4AL      | 0.4 <br>  0.4           |              |
| I-N <br>                                | BH03XH               | i i<br>[X20201]                     |  | 25<br>  19<br>  1           | FT  <br>  EA  <br>  TN                     |          | <br>  C     | S<br> <br> | C<br> <br> | G7453<br>          | C-BH<br> 3SWF4           | 1.0 <br>  1.0 <br>  2.0 |              |
| ] I-N [<br>] I-N [                      | REM-3 '<br>[         | i i                                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 25<br>  7                   | CY   | С        | i c         | S          |            |                    | <br> C-DT<br>            | 2.2                     |              |
| II-NI                                   | SLR-18<br>           | i t                                 | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1 75<br>1 5                 | FT  <br>CY                                 |          | l C         | S          |            | G7409              | 1                        | 1                       |              |
| <br>  I-N <br>     <br>     <br>        | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | [ 2<br>[ 94<br>[ 16<br>[ 16 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | С        |             | S          | С          | 3376.1             | <br> 3-WF3<br> <br> <br> | 1.3                     |              |
| I -N  <br>  I -N  <br>                  | 1-3SLB<br> <br>      | <br> 322048 <br> 656400             | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 2<br>  2<br>  1             | EA  <br>  EA [                             | С        | с           |            | С          | 3373.2             | <br> 3-WF3<br> <br>      |                         |              |
|   | -                    |                                     |  | <br>  1                     |  |          |             |            |            |                    | <br>  TC3                |                         |              |

|                                       | CAL40-00<br>:36 |             |           |                      |                   | DPSS -          | DESIG           | SN REVI        | EW COL |         |      |       |            |      |      |                  |           |                | AGE NO 530  |
|---------------------------------------|-----------------|-------------|-----------|----------------------|-------------------|-----------------|-----------------|----------------|--------|---------|------|-------|------------|------|------|------------------|-----------|----------------|-------------|
| OJECT: 253                            | 3568 3          | JOB:01      | REV:0     | TYPE:                | . UD              | NAME:           | ROLANI          | DO BLK         | 7G2 -  | rec Job | 1    |       |            |      |      |                  |           |                | R: 2960700  |
| SIGN: 01                              | NAME :          | ROLANE      | O BLK 7G2 | 2 T&C JC             | DB 1              |                 |                 | ST             | ATUS:  | ACT     |      |       |            |      |      |                  |           |                |             |
| CATION: 47                            |                 | ST: 02      |           | : CM                 | DESIG             | NED BY:         | GEORG           | E BONN         | JER    |         |      |       |            |      |      | E: 999-99        |           |                | N 471 OF 58 |
| RK   <br>-C MU ID                     | AUID            | STOCK#      |           | DESCRIP              |                   |                 |                 |                |        |         |      |       |            |      | TRT  | STANDARD<br>PAGE | TYPE<br>+ | HOURS  <br>+   |             |
| <br>-N                                |                 | 1<br>1      | LANE CI   | LOSURE (             | JRBAN :           | ST (STF         | REET RE         | EPAIR)         |        | i 1     | EA   | i c   | l .        | S    |      |                  |           | <br>  1.0 <br> |             |
| -N                                    | PLANTU          | I I         | REMOVE/   | /REPLACE             | E LAND            | SCAPINO         | 3               |                |        | j 10    | FT   | C<br> | l .        | I S  | ci   |                  |           | 1.0            |             |
| -N   I                                |                 | I I         | SAW CUI   | T CONCRE             | ETE               |                 |                 |                |        | 1 10    | FT   | I C   | 1          | s    |      |                  |           | 1.5            |             |
| -N                                    |                 | <br> 248205 | CONCRET   | TE SIDEÑ<br>RETE - 6 | Walk Si<br>6 Sack | ECTION<br>(3/4" | (5X5)<br>ROCK 1 | FINISH<br>AIX) | HED    | i 1     | ) ÉA | i c   | Ì          | S    | C I  |                  | SR3CS     | 1.0            |             |
| ORK FAC<br>UNC CODE                   |                 |             |           | t TAG                | NEW '             | TAG             |                 |                |        |         | (    | CONS  | TRUC       | TION | NOTE | IS               |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        | e sht 1 | 0    |       |            |      |      |                  |           |                |             |
| · · · · · · · · · · · · · · · · · · · |                 |             |           |                      |                   |                 |                 |                |        |         |      |       |            |      |      |                  |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        |         |      |       |            |      |      |                  |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        |         |      |       |            |      |      |                  |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        |         |      |       | <u>`</u> . |      |      |                  |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        |         |      |       |            |      |      |                  |           |                |             |
|                                       |                 |             |           |                      |                   |                 |                 |                |        |         |      |       |            |      |      |                  |           |                |             |

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| DP001EM2-1<br>09/05/17 1         |                      | 01                                  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   |                                   | [AI]                 |                 |            |                 |               |                           |                          | P                   | AGE NO 537   |
|----------------------------------|----------------------|-------------------------------------|--|-----------------------------------|----------------------|-----------------|------------|-----------------|---------------|---------------------------|--------------------------|---------------------|--------------|
| PROJECT: 2                       | 253568               | JOB:01                              | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | -T&C JOB                          | 1                    |                 |            |                 |               | STATUS: AC                | T WOE                    | K ORDE              | R: 2960700   |
| DESIGN: 03                       | l name               |                                     | D BLK 7G2 T&C JOB 1 STATUS:  |                                   |                      |                 |            |                 |               |                           |                          |                     |              |
| LOCATION:                        | 472 SHE              | ET: 01                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                   |                      |                 |            |                 | PHO           | NE: 999-99                | 99 I                     | LOCATIC             | N 472 OF 587 |
| WRK <br> F-C MU II               | I<br>D IAU ID        | <br> STOCK#                         | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                      | l<br>UM              | WRK<br>RSP      | MAT<br>RSP | TIM<br> TRT     | ACC<br>  TRT  | STANDARD<br>  PAGE        | CREW  <br> TYPE          | EST 1<br>HOURS      |              |
| I-N]                             | 13'HD-A              | 1                                   | HAND DIG TRENCH 3 FT DEEP AVE  | 25                                | [FT                  | C I             |            | S               | I C           | G7453                     | 3-WF3                    | 9.5                 |              |
| I-N <br>                         | BKF-3'               | i i<br>t 1                          | BACKFILL TRENCH 3 FOOT DEEP  | 25                                | [ FT                 |                 |            | \$<br>          | 1 C           | ]<br>]<br> <br>1          | 3-WF3                    | 0.4                 |              |
| I -N  <br>                       | ]                    | i i                                 | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | . –                               | ΤÑ                   |                 | с          | S<br> <br>      | i c<br>I      | G7405<br> <br>            | 3-WF3 <br> C-BH<br> C-DT | 0.1 <br>0.1 <br>0.1 |              |
| 1  <br>  1 - N  <br>  1  <br>  1 |                      |                                     | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 25                                | FT                   | <br>  C<br>     | c          | S<br>           | C<br>         | 3373.1<br>                |                          | 0.4                 |              |
| I-N <br>                         | R-XCES               | [ [                                 | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 25<br>  3                         | ም                    | l C             |            | 5               | i c           | l<br>I                    |                          | 0.6                 |              |
| I-N                              | CC-2CT               | I I                                 | CONCRETE 2 SAW CUT AND BREAK MECH  | 25                                | FT                   | [ C             |            | <br>  S         | c             | l .                       | SR3AS                    | 1.0                 |              |
| <br> I-N                         | CF-H12               | 1 1                                 | FINISH CONCRETE SURFACE MAN 12 IN  | 25                                | FT                   | i C             |            | S               | l C           | İ                         | SR3CS                    | 0.1                 |              |
| -N                               |                      | 1 1                                 | ASPHALT 2 SAW CUT AND BREAK MECH   | i 15                              |                      | I C             |            | i<br>I S        | c             | Ì                         | <br>  SR3AS              | 0.4                 |              |
| I-N                              | I                    | <br> 114201                         | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | ( 15<br>  2                       | FT                   | <br>  C<br>     |            |                 |               | <br>                      | IC-BC<br>ISR4AL          | 0.4<br>0.4          | <u> </u>     |
|                                  | BH03XH<br> <br>      | X20201 <br> 114215                  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 25<br>  19<br>  1                 | FT<br>EA             | i c<br>I        | с          |                 | C<br> <br>    | G7453<br> <br>            | C-BC<br> C-BH<br> 3SWF4  | 1.0 <br>1.0 <br>2.0 |              |
| ]<br> I-N]<br>  ]<br>  ]         | IREM-3'              |                                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 25                                | FT                   | C               |            | S               |               | <br>                      | <br> CDT<br>             | 2.2                 |              |
| ] I-N]                           | SLR-18               | i i                                 | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 75<br>  5                         | FT<br>CY             | I C             | C C        | \$<br>          | C<br>         | G7409<br>                 | 3-WF3                    | 0.2                 |              |
| <br>  IN1<br>     <br>     <br>  | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH           | 73<br>  2<br>  73<br>  13<br>  13 | FT<br>FT<br>EA<br>EA | C<br> <br> <br> | 0000       | S<br> <br> <br> | C             | 3376.1<br> <br> <br> <br> |                          |                     |              |
| ] I-N[<br>  [<br>] [<br>] [      | [1-3SLB<br>[<br>[    | <br> 322048                         | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 2<br>  2<br>  1                   | EA<br>  EA<br>  CY   | l ·             | C<br>C     | S<br> <br>      | I C<br>I<br>I | 3373_2<br> <br>           | 1                        |                     |              |
| II-NI                            | LN-S/U               |                                     | TC-LANE CLOSURE URBAN STREET   | 1 1                               |                      | i c :           |            | S               |               | i                         |                          |                     |              |
| :<br> I-N                        |                      |                                     | LANE CLOSURE URBAN ST (STREET REPAIR)  |                                   |                      | C               |            | 4               |               |                           | ]TC4                     |                     |              |

|                                       |                     | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW | COPY - DETAIL                |  | PAGE NO 538                      |
|---------------------------------------|---------------------|--|------------------------------|--|----------------------------------|
| ROJECT: 253568 JOB:01                 | REV:0 TYPE: UD      | NAME: ROLANDO BLK 7G                     | 2 -T&C JOB 1                 |  | WORK ORDER: 2960700              |
| ESIGN: 01 NAME: ROLANDO               | O BLK 7G2 T&C JOB 1 | STAT                                     | US: ACT                      |  |                                  |
| OCATION: 472 SHEET: 02                | DISTRICT: CM DESIG  |  |                              | PHONE: 999-999   | 9 LOCATION 472 OF 587            |
| WRKI I I<br>F-CIMU ID  AU ID  STOCK#I | DESCRIPTION/C       | ONSTRUCTION NOTES                        | QTY    WRK <br>  RQD  UM RSP | MAT   TIM   ACC   STANDARD  <br>RSP   TRT   TRT   PAGE | CREW   EST  <br>TYPE  HOURS <br> |
| <br>I-N    PLANTU                     |                     |  | 1 1 1                        | 1    <br>]S C  |                                  |
| WORK FAC<br>FUNC CODE DESC            | EXIST TAG NEW       | TAG                                      |                              | TRUCTION NOTES   |                                  |
|                                       |                     |  | SEE SHT 10                   |  |                                  |
|                                       |                     |  |                              | · · · · · · · · · · · · · · · · · · ·                  |                                  |
|                                       |                     |  |                              |  |                                  |
| - v. v                                |                     |  |                              |  |                                  |
|                                       |                     |  |                              |  |                                  |
| 12 - <u>-</u>                         |                     |  |                              |  |                                  |
|                                       |                     |  |                              |  |                                  |
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|                                       |                     |  | <u>_</u>                     |  |                                  |
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|                                       |                     |  |                              | ·  |                                  |
|                                       |                     |  |                              |  |                                  |

|                     |                             |                                | REV:0 TYPE: UD  | NAME: ROLANDO BLK 7G2         |                                 |                                    |                      |                                    |     |     | STATUS: AC           |                     |                         | R: 2960700  |
|---------------------|-----------------------------|--------------------------------|---|-------------------------------|---------------------------------|------------------------------------|----------------------|------------------------------------|-----|-----|----------------------|---------------------|-------------------------|-------------|
| ESIGN: 01           | . NAME                      | : ROLAND                       | D BLK 7G2 T&C JOB 1   | STATU                         | JS: ACT                         |                                    |                      |                                    |     |     |                      |                     |                         |             |
| OCATION:            | 473 SHE                     |                                | DISTRICT: CM DESIGN   |                               |                                 |                                    |                      |                                    |     |     |                      |                     |                         | N 473 OF 58 |
| WRK                 | IAU ID                      | STOCK#                         | DESCRIPTION/CO  |                               | RQD                             | UM                                 | RSP                  | RSP                                | TRT | TRT | STANDARD<br>PAGE     | TYPE                | HOURS                   |             |
| I-N                 | AB-M18                      | i i                            | ASPHALT BASE MECH<br>ASPHALT (BASE)   |                               | 27                              | FT<br>  TN                         | C<br>                | <br>  C                            | S   | с   |                      | C−BC<br> SR4AL      | 0.7 <br>  0.7           |             |
| I-N1                |                             | i i                            | ASPHALT 2 SAW CUT A   | AND BREAK MECH                | 27                              | <br>  FT                           | l C                  | 1 I                                | S   | c   | 1                    | <br>  SR3AS         | 0.7                     |             |
| I-N <br> <br>       | BH03XH                      | <br> X20201 <br> 114215        | MACH DIG TRENCH 3 H<br>TRAFFIC BEARING ST<br>ASPHALT, COLD MIX  | TT DEEP BACKHOE<br>REEL PLATE | 33<br>  25<br>  1               | FT<br>  EA<br>  TN                 | l<br>I               | <br>  C  <br>  C                   |     | С   | G7453                | C-BH<br> 3SWF4      | 1.3 <br>  1.3 <br>  2.6 |             |
| I-N <br>1           | 1 REM-3'                    | <br> <br> X30007 <br>          | TRENCH SPOIL 3 FT 1<br>DUMPING FEE  | Depth                         | 33                              | FT<br>  CY                         | C<br>                | C                                  | S   | с   | 1                    | <br> CDT<br>        | 2.9                     |             |
| I-N                 | SLR-18                      | <br> 656400                    | BACKFILL SLURRY 18 B<br>SLURRY MIX, 1 SACH  |                               | i 99<br>I 6                     |                                    | i c                  |                                    | S   | с   | G7409                | <br> 3WF3<br>       |                         |             |
| I-N                 | i 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CC<br>CONCRETE - 2 SACK<br>CONDUIT DB 3 IN 20<br>SPACER INTERMEDIAT<br>1 IN BASE SPACER | (GRAVEL MIX)<br>) FT LENGTH   | 33<br>  1<br>  33<br>  6<br>  6 | FT<br>  CY<br>  FT<br>  EA<br>  EA | C<br> <br> <br> <br> | <br>  C  <br>  C  <br>  C  <br>  C | S   | С   | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br> | 0.5                     |             |
| I-N                 | ILN-S/U                     |                                | TC-LANE CLOSURE URBA  | AN STREET                     | 1                               |                                    | i c                  |                                    | S   | С   | 1                    |                     | 1.0                     |             |
| I-N!                | •                           | i i                            | LANE CLOSURE URBAN S  | ST (STREET REPAIR)            | 1                               |                                    |                      | 1 1                                |     | С   | 1                    |                     | 1.0                     |             |
| I-N                 | XING-U                      | i i                            | TC-TRAFFIC CONDITION<br>ASPHALT, COLD MIX   | IS STREET CROSSINGS           | ) 1<br>  1                      | FT<br>  TN                         | i c<br>I             | 1 1<br>1 C 1                       | SI  | с   | <br>                 | TC4<br>             | 0.1)                    |             |
| I-N                 | XING/S                      |                                | TRAFFIC COND. (XING   | LANE) STREET REPAIR           |                                 |                                    |                      |                                    |     |     | ſ                    | <br> TC4            |                         |             |
| WORK FF<br>FUNC COL |                             |                                | EXIST TAG NEW T   | 'AG                           |                                 |                                    | CONS                 | TRUCI                              | LON | NOT | <br>SS               |                     |                         |             |
|                     |                             |                                |   |                               | SEE SHT 1                       | 0                                  |                      |                                    |     |     |                      |                     |                         |             |
|                     |                             |                                |   |                               | 566 5HT 1                       |                                    |                      |                                    |     |     |                      |                     |                         |             |
|                     |                             |                                |   |                               |                                 |                                    |                      |                                    |     |     |                      |                     |                         |             |
|                     |                             |                                |   |                               |                                 |                                    |                      |                                    |     |     |                      |                     |                         |             |
|                     |                             |                                |   |                               |                                 |                                    |                      |                                    |     |     |                      |                     |                         |             |

Block 7G2 UUP Attachment E – Technical Specifications

| OJECT: 25    |                       | JOB:01                          | REV:0                   | TYPE:                  | UD 1              | NAME: ROL             | ANDO BLK 70           | 2 -T&C J           | ов 1                |         |          |           |                    |                                       |                                       | R: 2960700  |
|--------------|-----------------------|---------------------------------|-------------------------|------------------------|-------------------|-----------------------|-----------------------|--------------------|---------------------|---------|----------|-----------|--------------------|---------------------------------------|---------------------------------------|-------------|
| SIGN: 01     | NAME                  | BOLAND                          |                         |                        |                   |                       |                       | US: ACT            |                     |         |          |           |                    |                                       |                                       |             |
| CATION: 4    | 74 SHEE               | <br>ET: 01                      | DISTRICT:               | CM D                   | DESIGNÍ           | ED BY: GE             | ORGE BÖNNEF           |                    |                     |         |          | PHOI      | NE: 999-99         | 99 I                                  | LOCATIO                               | N 474 OF 58 |
| RKI          | ן<br>ומד דם ו         | I STOCK#I                       | Т                       | DESCRIPTI              | ION/COL           | NSTRUCTIO             | N NOTES               | QT<br>  RQ         | Y    <br>D   UM   D | RSPIE   | SPITRI   | TRT       | STANDARD<br>  PAGE | TYPE                                  | HOURS                                 |             |
|              | ;<br>  330926  <br>   | ++<br>   <br> 162690            | HAND HO<br>QUAZE        | DLE 3309.              | 2 37"             | x 26" x 2             | ·                     | <b>-+</b><br> <br> | +<br>1 EA           | c 1     | +<br>  S | -}<br>  C | 3309.2<br>         | 3SWF3                                 | 0.8                                   |             |
| -N           | X09H26                | 162690                          | INSTALI<br>QUAZI        | L EXCAVAI<br>ITE BOX 3 | 110N/RI<br>37"X26 | EMOVE<br>"26"         |                       | [<br> <br>         | 1 EA <br>1 EA       | с  <br> | S<br>C   | C<br>     | 3309.2<br>         | 3SWF3 <br>                            | 0.8 <br>                              |             |
| i - N i<br>1 | <br> 1-3slb <br> <br> | [<br>  1<br> 322048 <br> 656400 | 1-3 IN<br>BEND<br>SLURI | DB 90 D<br>CONDUIT     | 36 IN<br>DB 3 3   | R BEND S<br>IN 90 D 3 | SLURRY ENC<br>36 IN R |                    |                     | C I     | CI       | C<br>     | 3373.2<br>]        | [<br> 3-WF3 <br>]<br>]                | 0.3                                   |             |
|              |                       | 1 1                             | REMÓVE,                 | REPLACE                | LANDS             | CAPING                |                       |                    |                     |         | <br>  S  |           | <br>               | <br> 3-WF3                            | 0.1[                                  |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | 10                  |         |          |           |                    |                                       |                                       | <b>-</b>    |
|              |                       |                                 |                         |                        |                   | <b></b>               |                       | SEE SHT            | 10                  |         |          |           |                    |                                       |                                       |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | . 10                |         |          |           |                    |                                       |                                       |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | . 10                |         |          |           |                    |                                       | · · · · · · · · · · · · · · · · · · · |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | . 10                |         |          |           |                    | · · · · · · · · · · · · · · · · · · · |                                       |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            |                     |         |          |           |                    |                                       |                                       |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | . 10                |         |          |           |                    |                                       |                                       |             |
|              |                       |                                 |                         |                        |                   |                       |                       | SEE SHT            | . 10                |         |          |           |                    |                                       |                                       |             |

| 0001EM2-1<br>09/05/17 1 | LOCAL40-001<br>L1:36                    |   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | LECTRIC<br>PY - DE1           | rai i                              |     |                  |            |                         |                           |                         | P                         | AGE NO 541   |
|-------------------------|---|---|---|-------------------------------|------------------------------------|-----|------------------|------------|-------------------------|---------------------------|-------------------------|---------------------------|--------------|
| PROJECT: 2              | 253568 JO                               | B:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | T&C JOB                       | 1                                  |     |                  |            | 5                       | STATUS: AC                | T WO                    | RK ORDE                   | R: 2960700   |
| DESIGN: 01              |   |   | O BLK 7G2 T&C JOB 1 STATUS:   |                               |                                    |     |                  |            |                         |                           |                         |                           |              |
| LOCATION:               | 475 SHEET                               | : 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                               |                                    |     |                  |            | PHO                     | NE: 999-99                | 99 :                    | LOCATIO                   | N 475 OF 587 |
| F-C MU II               | <br> AU ID [S                           | TOCK#[  | DESCRIPTION/CONSTRUCTION NOTES  | RQD                           | UM                                 | RSP | RŞP              | TRT        | TRT                     | STANDARD                  | TYPE                    | HOURS                     |              |
| I-N                     | 3'HD-A                                  | i   | HAND DIG TRENCH 3 FT DEEP AVE   | 1 14                          | FT                                 | С   |                  | s          | C                       | G7453                     | 3-WF3                   | 5.5                       |              |
| I-N                     |   |   | BACKFILL TRENCH 3 FOOT DEEP   |                               |                                    | С   |                  | S          |                         |                           |                         |                           |              |
| I-N <br>                | 6                                       |   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED   | 1 1                           | TN                                 | -   | c                |            |                         | G7405                     | IC-BH<br>IC-DT          |                           |              |
| I-N                     |   | 496641  | CONDUIT DB 3 IN 20 FT LENGTH  | j 14<br>  14                  | FT                                 | С   | с                |            | i c<br>i                | 3373.1                    | 3-WF3                   |                           |              |
| I-N                     | R-XCES                                  | ;<br>30007                                    | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 14<br>  2                     | [FT<br>[CY                         | С   | ĺ                | S          | i c                     | 1<br>1                    | C-DT                    | 0.4                       |              |
| 1-N                     |   | Ì   | REMOVE/REPLACE LANDSCAPING  |                               | FT                                 | С   |                  | 0          | <br>  C<br>             | 1                         | 3-WF3                   | 1.4                       |              |
| I-N  <br>               | X<br>   1                               | <br>20201 <br>.14215                          | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX   | 1 6<br>1 1                    | EA<br>  TN                         | -   | i c<br>i c       | i S<br>I   | i c<br> <br>            | G7453<br> <br>            | C-BC<br> C-BH<br> 3SWF4 | 0.3 <br>  0.3 <br>  0.6   |              |
| 1-N                     | X                                       | ]<br>] 30007                                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 7<br>  2                      | <br> FT<br> CY                     | C   | c c              | ,          | i c                     | l<br>I                    | C-DT                    | 0.61                      |              |
| I-N                     |   | 564001  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | i 21<br>I 2                   |                                    | С   |                  | 5          | C<br>                   | G7409<br>                 | :<br> 3-WF3<br>         |                           |              |
|                         | 1EB3IN <br>   2<br>   2<br>   6<br>   6 | (<br>48201 (<br>49664 (<br>63528 )<br>63530 ( | <ul> <li>1-3 IN EB CONDUIT CONC ENC<br/>CONCRETE - 2 SACK (GRAVEL MIX)<br/>CONDUIT DB 3 IN 20 FT LENGTH<br/>SPACER INFERMEDIATE 5 IN 2-WAY</li> <li>1 IN BASE SPACER</li> </ul> | 7<br>  1<br>  7<br>  2<br>  2 | FT<br>  CY<br>  FT<br>  EA<br>  EA |     | С<br>С<br>С<br>С | S<br> <br> | i C<br>[<br>[<br>[<br>] | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br>     | 0.1 <br>   <br>  [<br>  ] |              |
| I-N <br>                | 1-3SL8 <br>   3<br>   6                 | 21878<br>56400                                | 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND  |                               | EA<br>CY                           | С   |                  | S          |                         | [3373.2<br> <br>          | l                       | 0.1]<br>   <br>           |              |
| I-N                     |   | i   | SAW CUT CONCRETE  |                               |                                    | с   | ĺ                | l S        | i c                     | İ                         | İSR-3C                  | 1.5                       |              |
| I-N                     | ]2                                      | 1<br>48205                                    | CONCRETE SIDEWALX SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)   |                               | ĆY                                 |     | C C              | s<br>I     |                         | i<br>I                    | isr3cs                  | 1.0                       |              |
| I-N                     | เพ-ร/บ                                  | i   | TC-LANE CLOSURE URBAN STREET  | 1 1                           | EA                                 | с   | 1                | I S        | <br>  C                 | I                         | TC3                     | 1.0                       |              |
| <br>  I-N               | <br> LN/S/S                             |   | LANE CLOSURE URBAN ST (STREET REPAIR)   |                               | <br>  EA                           | с   |                  | ]<br>] S   | l<br>C                  |                           |                         | <br>  1.0                 |              |

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| P001EM2-LOCA<br>9/05/17 11:30 | 6              |             |     |       | DPSS -   |         | GAS AND ELECTRIC<br>REVIEW COPY - DET | AÍL      |              |                                       | PAGE        | E NO 542   |
|-------------------------------|----------------|-------------|-----|-------|----------|---------|---------------------------------------|----------|--------------|---------------------------------------|-------------|------------|
| ROJECT: 2535                  | 68 JOB:01      | REV:0       | TYP | E: UD | NAME :   | ROLANDO | BLK 7G2 -T&C JOB                      | 1        |              |                                       | WORK ORDER: | 2960700    |
| ESIGN: 01                     | NAME: ROLAN    | NDO BLK 7G2 | T&C | JOB 1 |          |         | STATUS: ACT                           |          |              |                                       |             |            |
| OCATION: 475                  |                | DISTRICT:   |     |       | GNED BY: |         | BONNER                                |          |              | 999-9999                              | LOCATION 4  | 175 OF 587 |
| WORK FAC<br>FUNC CODE         |                | EXIST       | TAG | NEW   | TAG      |         |                                       | CONSTRU  | UCTION NOTES |                                       |             |            |
|                               |                |             |     |       |          | <b></b> | SEE SHT 10                            |          |              |                                       |             |            |
|                               |                |             |     |       |          |         |                                       |          |              |                                       |             |            |
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| P001EM2-L0<br>9/05/17 11 |              | 01          |                                   |         |        |         |                    | GAS ANI<br>REVIEW |            |          | AIL        | ı      |         |       |                  |                  |                     | P                                     | AGE NO 543   |
|--------------------------|--------------|-------------|-----------------------------------|---------|--------|---------|--------------------|-------------------|------------|----------|------------|--------|---------|-------|------------------|------------------|---------------------|---------------------------------------|--------------|
| ROJECT: 25               | 3568 .       | JOB:01      |                                   | TYPE:   |        |         |                    |                   | 2 -T&C     | JOB      | 1          |        |         |       | 5                | STATUS: AC       | T WOI               | K ORDE                                | R: 2960700   |
| ESIGN: 01                |              |             |                                   |         |        |         |                    |                   | JS: AC     |          |            |        |         |       |                  |                  |                     |                                       |              |
| DCATION: 4               |              |             |                                   |         |        |         |                    |                   |            |          |            |        |         |       | PHON             | VE: 999-99       | 99 ]                | LOCATIO                               | N 476 OF 587 |
| WRK]<br>F-C MU ID        | AU ID        | STOCK#      |                                   | ESCRIPT |        |         |                    |                   | 1          | RQD      | UΜI        | RSP    | RSP     | TRT   | TRT              | STANDARD<br>PAGE | TYPE                | HOURS                                 |              |
| [-N                      | 330926<br>   | <br> 162690 | HAND HO<br>  QUAZI                | LE 3309 | .2 37" | X 26" X |                    |                   |            | 1)<br>1) | EA  <br>EA | С      | <br>  Ç | S     | Ç<br>            | 3309.2           | 3SWF3<br>           | 0.8                                   |              |
| I                        | X09H26<br>   | 162690      | INSTALI<br>  QUAZI                |         |        |         |                    |                   |            | 1)<br>1) | EA  <br>EA | CI     | <br>  C | S<br> | I I              | 3309.2           | [                   | 0.81                                  |              |
| ľ-N  <br>                | 1-3SLB<br>   | 322048      | <br>  1-3 IN<br>  BEND<br>  SLURE | CONDUIT | DB 3   | IN 90 D | ) SLURR<br>) 36 IN | Y ENC<br>R        | <br> <br>  | 4<br>4   | EA EA      | С      |         | S     | <br>  C<br> <br> | 3373.2           | <br> 3-WF3<br> <br> | 0.21                                  |              |
|                          | <br>  Plantu |             |                                   |         |        |         |                    |                   | :<br> <br> | 1        | 1          | 1      | [ ]     | l     |                  |                  | 1<br> 3-WF3         | Í                                     |              |
| VORK FAC                 |              |             | EXIST                             | . TAG   | NEW T. | ac.     |                    |                   |            |          | r          | ONIST  | רסזזריז |       | NOTI             | te               |                     |                                       |              |
| 0002                     | 5200         |             | Line of a                         |         |        |         |                    |                   | SEE S      | تت 10    |            | .01101 |         | 1101  | 1011             |                  |                     |                                       |              |
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| 0P001EM2-                       | LOCAL40-00<br>11:36       | I   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | LECTRIC<br>PY - DE            | TAI                                | ച                  |        |            |                 |                           |                         | P                       | AGE NO 544                            |
|---------------------------------|---------------------------|---|--|-------------------------------|------------------------------------|--------------------|--------|------------|-----------------|---------------------------|-------------------------|-------------------------|---------------------------------------|
| PROJECT:                        | 253568 3                  | JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                       | 1                                  |                    |        |            | 1               | STATUS: AC                | T WO                    | ŔK ORDE:                | R: 2960700                            |
|                                 |                           |   | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                           |                                    |                    |        |            |                 |                           |                         |                         |                                       |
| LOCATION:                       | 477 SHEE                  | CT: 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                               |                                    |                    |        |            | PHO             | NE: 999-99                | 99                      | LOCATIO                 | N 477 OF 587                          |
| WRK <br> F-C MU I               | <br>D  AU ID              | <br> STOCK#                                     | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                  | l<br>I UM                          | WRK<br>RSP         | MAT    | TIM        | ACC<br>TRT      | STANDARD<br>  PAGE        | CREW<br> TYPE           | EST  <br> HOURS         |                                       |
| 1 T - NI I                      | 13'HD-AI                  | L I   | HAND DIG TRENCH 3 FT DEEP AVE  | 1 18                          | IFT                                |                    |        | S          | C               | G7453                     | 3-WF3                   | [ 7.0]                  |                                       |
| I-N <br>                        | BKF-3'                    |   | BACKFILL TRENCH 3 FOOT DEEP  | ! 18<br>                      | FT<br>                             |                    |        | S<br>      | C               | 1                         | [3-WF3<br>[C-BC         | 0.3 <br>  0.3           |                                       |
| I-N                             | SHD-12                    | 611492  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 18<br>  1                     | FT<br>  TN<br>                     |                    | ¢      | S          | C<br> <br>      | G7405<br> <br>            | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>0.1 <br>0.1     |                                       |
| [<br> I-N <br>                  | 1DB3-S <br>               | 249664  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1 18                          | Í FT                               | i                  |        | S          | [ C             | 3373.1                    | 3-WF3                   | 0.31                    |                                       |
| I-N [                           |                           | <br> X30007                                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 18                            | FT<br> CY                          |                    | l<br>c | S<br>      | I C             | 1<br>1<br>1<br>1          | C-DT                    | 0.5                     |                                       |
| <br> I-N                        | PLANTU                    |   | REMOVE/REPLACE LANDSCAPING   | 1 18                          | I FT                               | I C                | 1      | I S        | 5 I             | 1                         |                         | 1.8                     |                                       |
| 1<br>  I-N  <br>  1             |                           | I I<br>1 X 20201 I                              | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 7<br>  6<br>  1               | FT<br>  EA<br>  TN                 | [ C<br>            |        | 15         |                 | G7453<br>                 | C-BC<br> C-BH<br> 3SWF4 | 0.3 <br>  0.3 <br>  0.6 |                                       |
| I – N  <br>  1 – N  <br>        | 1                         | X30007  | ASPHALT, COLD MIX<br>TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 7                           |                                    | i c                |        | 18         | I C<br>I        | i<br>I                    |                         | i i                     |                                       |
| I-N <br>                        |                           | <br> 656400                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 2                           |                                    | i i                | C      | S          |                 | IG7409                    | [3-WF3                  | i i<br>1 i              |                                       |
| I-N1<br>     <br>   <br>   <br> | 1EB3IN<br> <br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC   | 7<br>  1<br>  7<br>  2<br>  2 | FT<br>  CY<br>  FT<br>  EA<br>  EA | i c<br>1<br>1<br>1 |        | I S        | C<br> <br> <br> | 3376.1<br> <br> <br> <br> |                         | 0.1                     |                                       |
| <br> IN <br>   <br>             | 1-3SL8                    | 321878  | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                               | EA<br> CY                          | C<br> <br>         |        | S<br> <br> | ( C<br> <br>    | 3373.2<br> <br>           | 1                       |                         |                                       |
| <br> 1-N                        | SAW-CC                    | 1   | SAW CUT CONCRETE   | i 10                          |                                    | ic                 | i      | <br>  S    | i c             | 1                         | ISR-30                  | 1.5                     |                                       |
| I-N <br>  1                     |                           | <br> 248205                                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | 1<br>  1                      | EA<br>CY                           |                    | l c    |            |                 | <br>                      |                         | 1.0                     |                                       |
| <br> I-N                        | LN-S/U                    | • •   | TC-LANE CLOSURE URBAN STREET   | i 1                           | EA                                 | <br>  C            | İ.     | S          |                 | İ                         | TC3                     | 1.0                     | · · · · · · · · · · · · · · · · · · · |
| I I-N                           | i<br>  LN/S/S             | <br>  | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                             | EA                                 | <br>.  C           |        | S          | ίc              | l<br>                     | <br>  TC4               | 1.0                     |                                       |

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| DP001EM2-LOCAL<br>09/05/17 11:30 |             |            |       |       | DPSS - |          |         | ) ELECTRIC<br>COPY - DETA |              |                 | PAGE NO 545                           |
|----------------------------------|-------------|------------|-------|-------|--------|----------|---------|---------------------------|--------------|-----------------|---------------------------------------|
| PROJECT: 2535                    | 68 JOB:01   | REV:0      | TYPE  | : UD  | NAME : | ROLANDO  | BLK 7G2 | -T&C JOB 1                | <b></b>      | STATUS: ACT     | WORK ORDER: 2960700                   |
| DESIGN: 01                       | NAME: ROLAN | DO BLK 7G2 | T&C J | JOB 1 |        |          | STATU   | S: ACT                    |              |                 |                                       |
| LOCATION: 477                    | SHEET: 02   | DISTRICT:  | CM    | DESIC | NED BY | : GEORGE | BONNER  |                           |              | PHONE: 999-9999 | LOCATION 477 OF 587                   |
| WORK FAC<br>FUNC CODE            |             | EXIST      |       | NEW   |        |          |         | SEE SHT 10                | CONSTRUCTION |                 |                                       |
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Block 7G2 UUP Attachment E – Technical Specifications

|  | REV:0 TYPE: UD NAME: R   | OLANDO BLK 7G2 -T&C                   | : JOB 1                      |                        | STA              |                    |                     |            | : 2960700    |
|--|--|---------------------------------------|------------------------------|------------------------|------------------|--------------------|---------------------|------------|--------------|
| SIGN: 01 NAME: ROLAN                           | DO BLK 7G2 T&C JOB 1   | STATUS: AC                            |                              |                        |                  |                    | •=                  |            |              |
| CATION: 478 SHEET: 01                          | DISTRICT: CM DESIGNED BY:  | GEORGE BONNER                         |                              |                        | PHONE :          |                    | 9 I                 | OCATION    | 478 OF 58    |
| NRK     <br>F-C MU ID  AU ID  STOCK#           | DESCRIPTION/CONSTRUCT  | ION NOTES                             |                              | MAT TIM<br>P[RSP[TRT   | ACC  ST<br>  TRT | ANDARD [<br>PAGE ] | TYPE                | HOURS      |              |
| [-N  [1EB3SL]<br>     249664<br>     656400    | 1-3 IN EB CONDUIT SLURRY EN<br>  CONDUIT DB 3 IN 20 FT LEN<br>  SLURRY MIX, 1 SACK SAND                | ICASED  <br>IGTH  <br>I               | 109 FT  C<br>109 FT <br>3 CY | S<br>  C  <br>  C      | i c  33<br>[     | 76.1  <br> <br>    | 3-WF3[              | 1.5<br>    |              |
| [<br>-N] [1-3SLB]<br>  [ 1322048<br>    656400 | <pre>1 1-3 IN DB 90 D 36 IN R BENI<br/>1 BEND CONDUIT DB 3 IN 90 E<br/>1 SLURRY MIX, 1 SACK SAND</pre> | SLURRY ENC  <br>36 IN R               | <br>2 EA  C<br>2 EA <br>1 CY | - IS<br>- C 1<br>- C 1 | C  33<br>   <br> | 73.2  <br> <br>    | <br>3-wf3 <br> <br> | 0.1(<br> - |              |
| IORK FAC<br>IUNC CODE DESC                     | EXIST TAG NEW TAG  |                                       | Cons                         | TRUCTION               | NOTËS            |                    |                     |            |              |
|  |  | SEE S                                 |                              |                        |                  |                    |                     | <b></b> -  |              |
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| 09/05/17                         | LOCAL40-00<br>11:36       |  | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | DPY - DETA                          | IL                          |                  |                         |                           |                         | P.                      | AGE NO 547   |
|----------------------------------|---------------------------|--|---|-------------------------------------|-----------------------------|------------------|-------------------------|---------------------------|-------------------------|-------------------------|--------------|
| PROJECT:                         | 253568 3                  | JOB:01                                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -  | TAC JOB 1                           |                             |                  |                         | STATUS: A                 | CT WO                   | RK ORDE                 | R: 2960700   |
|                                  |                           |  | 0 BLK 7G2 T&C JOB 1 STATUS  |                                     |                             |                  |                         |                           |                         |                         |              |
| LOCATION:                        | 479 SHEE                  | ET: 01                                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                                     |                             |                  |                         |                           |                         |                         | N 479 OF 587 |
| WRK <br> F-C MU I                | <br>  AU ID  <br>         | <br>  STOCK# [                           | DESCRIPTION/CONSTRUCTION NOTES  | ! QTY  <br>! RQD  UI                | WRK<br>M[RSP                | MAT              | TIM AC                  | C STANDARD<br>T  PAGE     | I CREW                  | EST  <br> HOURS         |              |
| I-N                              | 3'HD-A                    | ] [                                      | HAND DIG TRENCH 3 FT DEEP AVE   | 14 F                                | ri c                        |                  | sic                     | G7453                     | 3-WF3                   | 5.51                    |              |
|                                  | BKF-3' <br>               |  | BACKFILL TRENCH 3 FOOT DEEP   | [ 14]F                              | Γį C                        |                  | S   C                   | <br> <br>                 | 3-WF3                   | 0.21                    |              |
| I-N <br>                         | SHD-12                    | <br> 611492                              | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED         | 14 F<br>[ 1 T]<br>[                 | T  C<br>N <br>              | c                | S   C                   | G7405<br> <br>            | 3-WF3<br> C-BH<br> C-DT | <br>   <br>             |              |
| I-N <br>                         | 1DB3-S                    | 249664                                   | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                 |                                     | ri C<br>ri                  | :<br>c           | I I                     | <br> 3373.1               | <br> 3-WF3              | 0.21                    |              |
| I-N                              | R-XCES                    | <br> x30007                              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | [ 14]F'                             | TI C                        |                  | s c                     | 1                         | C-DT                    | 0.41                    |              |
| I-N                              |                           | i i                                      | REMOVE/REPLACE LANDSCAPING  | 14]F                                | r  c                        |                  | S   C                   |                           | (3-WF3                  | 1.41                    |              |
| I-N  <br>                        | BH03XH [                  | X20201                                   | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | 1,1TI                               | r  C<br>Al                  | с<br>с           |                         | G7453<br> <br>            | C-BH<br>3SWF4           | 0.5 <br>  0.5 <br>  1.0 |              |
| I-N <br>  I-N                    | REM-3'[                   | X300071                                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 13]F                                | ri c                        | -                |                         | ļ.                        | [                       | 1.1                     |              |
|                                  | SLR-18                    | 656400                                   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                    | 31C                                 | Y                           | С                |                         | G7409                     | 1                       | 0.1                     |              |
| I-N  <br>     <br>   <br>   <br> | 1EB3IN <br> <br>     <br> | 248201 <br>249664 <br>6635281<br>663530[ | 1-3 IN EB CONDUIT CONC ENC  | 1 C:<br>  13 F'<br>  3 E2<br>  3 E2 | IIC<br>YI<br>II<br>AI<br>AI | C<br>C<br>C<br>C | S   C<br>   <br>   <br> | 3376.1<br> <br> <br> <br> | <br> <br>1              | 0.2 <br>   <br>   <br>  |              |
| I-N <br>  I-N <br>               | 1-3SL8 <br>               | 321878                                   | CLIPPY MIX 1 CACK CAND  | E1<br>  1 E2<br>  1 E2<br>  1 C3    | A  C<br>A]<br>Y             | C  <br>  C       | I                       | 3373.2<br> <br>           | 1                       | 0.1)<br>  [<br>  ]      |              |
| I-N                              | SAW-CC                    | - I                                      | SAW CUT CONCRETE  | 10 F                                | EI C                        | i i              | s   c                   | i                         | <br> SR-3C              | 1.5                     |              |
| <br>  I-N]<br>                   | 1 1                       | 248205                                   | CONCRETE SIDÈWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)         | 1]E2<br>  1]C3                      | Ϋ́[                         | <br>  c          |                         | i                         | SR3CS<br>               | i 1.01                  |              |
| I-N]                             | ]<br>]LN-S/U <br>]        | i  | TC-LANE CLOSURE URBAN STREET  |                                     | Aİ C                        | i i              | sic                     | Í.                        |                         | 1.01                    |              |
| ] I-N!                           |                           |  | LANE CLOSURE URBAN ST (STREET REPAIR)   | <br>  1 E2                          |                             |                  |                         |                           | TC4                     |                         |              |

| DP001EN      | 42-LOCA<br>17 11:3 | L40-001<br>6 |             |           |      | DPSS ·   | - DESIGN | REVIEW   | ELECTRIC<br>COPY - DETA |             |        |  | PAG         | E NO 548  |
|--------------|--------------------|--------------|-------------|-----------|------|----------|----------|----------|-------------------------|-------------|--------|--|-------------|-----------|
| PROJECT      | C: 2535            | 68 JOB:01    | REV:0       | TYPE      | : UD | NAME:    | ROLANDO  | BLK 7G2  |                         | ·           |        | TUS: ACT                                     | WORK ORDER: | 2960700   |
| DESIGN       | 01                 | NAME: ROLAN  | IDO BLK 7G2 | T&C J     | ЮВ 1 |          |          | STATU    | S: ACT                  |             |        |  |             |           |
| LOCATI       | ON: 479            | SHEET: 02    | DISTRICT:   | CM        | DESI | GNED BY  | : GEORGE | BONNER   |                         |             | PHONE: |  | LOCATION    | 479 OF 58 |
| WORK<br>FUNC | FAC<br>CODE        |              | EXIST       |           |      | TAG      |          |          |                         | CONSTRUCTIO |        |  |             |           |
|              |                    |              |             |           |      |          |          |          | SEE SHT 10              |             |        |  |             |           |
| _            |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         | <b>-</b> 77 |        | <b></b> .                                    |             | <u> </u>  |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  | <u> </u>    |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              | 7.00.0      |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    | · · ·        |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    | -            | <u>.</u>    |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             | <u></u> ` |      | <u> </u> |          | -        | <u>_</u>                |             |        | <u>.                                    </u> |             |           |
|              |                    |              |             |           |      |          | <u></u>  |          |                         |             |        | <u>n</u>                                     |             |           |
|              |                    |              |             |           |      |          |          |          |                         | <u> </u>    |        |  |             |           |
|              |                    |              |             |           | ·    |          |          | <b>.</b> |                         |             |        |  |             | · · ·     |
|              |                    | + <b>=-</b>  |             |           |      |          |          |          |                         |             |        | ·  |             |           |
| _            |                    |              |             |           | -    |          |          |          |                         |             |        |  |             |           |
|              |                    |              |             |           |      |          |          |          |                         |             |        |  |             |           |

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| 09/05/17                        | -LOCAL40-0<br>11:36       | 01                             | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO  | LECTRIÇ<br>PY - DE           | TAII                   |            |            |              |              |                     |                  | P                    | AGE NO 549   |
|---------------------------------|---------------------------|--------------------------------|---|------------------------------|------------------------|------------|------------|--------------|--------------|---------------------|------------------|----------------------|--------------|
| PROJECT:                        | 253568                    | JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 762 -  | T&C JOB                      | 1                      |            |            |              |              | STATUS: AC          | CT WOI           | RK ORDE              | R: 2960700   |
| DESIGN: (                       | )1 NAME                   | : ROLAND                       | Ó BLK 7G2 T&C JOB 1 STATUS:   | ACT                          |                        |            |            |              |              |                     |                  |                      |              |
| OCATION:                        | 480 SHE                   | ET: 01                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                              |                        |            |            |              | PHO          | NE: 999-99          | 999 1            | LOCATIO              | N 480 OF 587 |
| WRKI<br>F-CIMU 1                | <br>ID [AU ID             | 1<br> STOCK#                   | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD                 | <br>  UM               | WRK<br>RSP | MAT<br>RSP | TIM <br> TRT | ACC<br>TRT   | STANDARD<br>PAGE    | CREW             | EST  <br>HOURS       |              |
| I-N [                           | 3'HD-A                    | 4 1                            | HAND DIG TRENCH 3 FT DEEP AVE   | 20                           | $  \mathbf{FT}  $      | C I        |            | S            | C            | G7453               | 3-WF3            | 7.7                  |              |
| I-N                             | BKF-3 '                   |                                | BACKFILL TRENCH 3 FOOT DEEP   | <br>  20<br>]                | <br>  TT  <br>         | C          |            | S  <br>      | С            | 1<br>               | 3-WF3 <br> C-BC  | 0.3                  |              |
| I-N <br>                        |                           | i i                            | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED   | 1 20                         | FT  <br>  TN           | сi         | c          | s            | С            | <br> G7405<br> <br> | 3-WF3 <br> C-BH  | 0.1                  |              |
| I-N                             | I                         | 1<br>1249664                   | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH   | [ 20<br>[ 20                 | FT  <br>  FT           | C  <br>    | с          | [ S  <br>[ _ | С            | [3373.1<br>         | 3-WF3            | 0.31                 |              |
| I-N                             | R-XCES<br>                | <br> X30007                    | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 20<br>  2                    | FT  <br>  CY           | C I        | с          | 5            | С            |                     | 1                | 0.51                 |              |
| I-N                             | CC-2CT                    |                                | CONCRETE 2 SAW CUT AND BREAK MECH   | 20                           | FT                     | C          |            | S            | с            |                     | SR3AS            | ]<br>18.0            |              |
| I-NI                            |                           | i i                            | FINISH CONCRETE SURFACE MAN 12 IN   | 20                           | FT                     | C          |            | S            | с            |                     | SR3CS            | 0.1                  |              |
| I-N                             |                           | i i                            | ASPHALT 2 SAW CUT AND BREAK MECH  | 12                           | [ FT ]                 |            |            | . – .        | -            | l                   | <br>  SR3AS      | 0.3                  |              |
| I-N                             | 1                         | <br> 114201                    | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 12                           | FTI                    | ci         |            | 5            | С            |                     | C-BC  <br> SR4AL | 0.3                  |              |
| I-NI                            | BH03XH<br> <br>           | X20201 <br> 114215             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX   | 24<br>  18<br>  1            | FT  <br>  EA  <br>  TN | C          | c<br>c     |              | C            | G7453<br>           | C-BH<br> 3SWF4   | 1.0 <br>1.0 <br>1.9] |              |
| I-N <br>                        | 1                         | [X30007]                       | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | <br>  24<br>  6              | FT[                    | C '        | j          | S            | С            |                     | <br> C-DT  <br>  | 2.1                  | . <u> </u>   |
| I-N[                            | SLR-18                    | 656400                         | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 76 <br>  5                   | FT <br>CY              | С          | c          | S  <br>  }   | С            | G7409               | 3-WF3]<br>       | 0.2                  |              |
| [<br>[]<br>[]<br>[]<br>[]<br>[] | 1EB3IN<br> <br> <br> <br> | 248201 <br> 249664 <br> 663528 | <ul> <li>1-3 IN EB CONDUIT CONC ENC<br/>COMCRETE - 2 SACK (GRAVEL MIX)<br/>CONDUIT DB 3 IN 20 FT LENGTH<br/>SPACER INTERMEDIATE 5 IN 2-WAY</li> <li>1 IN BASE SPACER</li> </ul> | 64 <br>  2 <br>  64 <br>  11 | CY<br>FT<br>EA         | С          |            | S  <br> <br> | CI           | 3376.1              | 3-WF3 <br>       | 0.91                 |              |
| I-N <br> <br>                   | 1-3SLB<br> <br>           | <br> 322048                    | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND  |                              | EA  <br>EA  <br>CY     |            | с  <br>с   | S  <br> <br> | C  <br> <br> | 33/3.2              | [ ]<br>          | <br>                 |              |
| ĭN[                             | I<br> LN-S/U              | i i                            | TC-LANE CLOSURE URBAN STREET  | 1                            | ÊA                     | CI         | Í          | S            | CI           |                     |                  | 1.0                  |              |
| I-N                             |                           |                                | LANE CLOSURE URBAN ST (STREET REPAIR)   |                              |                        |            |            |              |              |                     | <br> TC4         | 1.0                  |              |

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| 001EM2-LOCAL40-001<br>/05/17 11:36           | SAN DIEGO GAS AND ELE<br>DPSS - DESIGN REVIEW COP | - DETAIL                          |  | PAGE NO 550                  |
|--|---|-----------------------------------|--|------------------------------|
| OJECT: 253568 JOB:01 REV:0 TYPE: U           | D NAME: ROLANDÓ BLK 7G2 -T&                       | C JOB 1                           |  | T WORK ORDER: 2960700        |
| SIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB       | 1 STATUS: A                                       | LCT                               |  | <b></b>                      |
| CATION: 480 SHEET: 02 DISTRICT: CM DE        | SIGNED BY: GEORGE BONNER                          |                                   |  | 99 LOCATION 480 OF 58        |
| RK       <br>-C MUID AUID STOCK#  DESCRIPTIC | N/CONSTRUCTION NOTES                              | QTY    WRK MAT<br>RQD  UM RSP RSP | TIM ACC STANDARD<br> TRT TRT  PAGE     | CREW   EST  <br> TYPE  HOURS |
|  |   | 10 FT  C                          | ISICI                                  | i<br> 3-WF3  1.0             |
| -N   SAW-CC     SAW CUT CONCRETE             |   | 10 FT  C                          | SCI                                    | SR-3C  1.5                   |
| -N   CC-WLK   CONCRETE SIDEWAI               | K SECTION (5X5) FINISHED<br>ACK (3/4" ROCK MIX)   | 1 EA C<br>1 CY C                  | sici                                   | SR3CS  1.0                   |
| ORK FAC<br>UNC CODE DESC EXIST TAG M         | EW TAG  | CONSTRUC                          | TION NOTES                             |                              |
|  | SEE   | SHT 10                            |  |                              |
|  |   |                                   |  |                              |
|  |   |                                   |  |                              |
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|  |   |                                   | ······································ |                              |
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| OULCI:            | 253568          | JOB:01             | REV:0 TYPE:                                   | ÚD NA                 | ME: ROLANDO                  | ) BLK 7G2 -T | &C JOB         | 1                |                |              |              | 5            | STATUS: AC       | T WOR            | K ORDE                                | R: 2960700  |
|-------------------|-----------------|--------------------|---|-----------------------|------------------------------|--------------|----------------|------------------|----------------|--------------|--------------|--------------|------------------|------------------|---------------------------------------|-------------|
|                   | 1 NAME          | : ROLAND           | O BLK 7G2 T&C JO                              | )B 1                  |                              | STATUS: A    | ACT            |                  |                |              |              |              |                  |                  |                                       |             |
|                   | 481 SHE         | ET: 01             | DISTRICT: CM                                  | DESIGNE               | BY: GEORGE                   |              |                |                  |                |              |              |              |                  |                  |                                       | N 481 OF 58 |
| IRK]<br>F-C MU II | ]<br>D  AU ID   | <br> STOCK#        | DESCRIPT                                      | TION/CONS             | STRUCTION NO                 | TES          | RQD            | ] UM [           | WRK            | MAT  <br>RSP | TIM]<br>TRT  | ACC  <br>TRT | STANDARD<br>PAGE | CREW ]           | EST  <br>HOURS                        |             |
| [ — N  <br>]      | 13421-1         | I I                | PAD 3421 1-PHA<br>PAD 1-PHASE                 | ASE TRANS             | SFORMER                      |              | 1              | EA <br> EA       |                | c            | S  <br>      | C            | 3421.1           | 3-AF4            | 0.4                                   |             |
| [-N]              | X-XF1P          |                    | PAD PREP 3421                                 |                       |                              |              | 1              | EA               | CI             |              | S I          | CI           |                  | <br> 35WF3       | 0.41                                  |             |
| і-иі<br>І         | <br>  TGT-W<br> | i i                | TRENCH GRD WIE<br>WIRE BARE CO                | RE W/O RO<br>PPER #2- | DDS (TRANS/C<br>-7 STR SOFT  | AP)<br>DRAWN | <br>  1<br>  8 | <br> EA <br> LB  |                | с I          | S I          | с I<br>I     | 4510.1           | <br> 3swf3 <br>] | 0.2 <br>                              |             |
| -N <br>           | 1-2SLB<br>      | <br> 321812        | 1-2 IN DB 90 I<br>BEND CONDULT<br>SLURRY MIX, | 36 IN H<br>DB 2 II    | R BEND SLURR<br>N 90 D 36 IN | Y ENC<br>R   | 2<br>  2       | EA <br> EA       |                |              | s i          | C I          | 3373.2           |                  | 0.1                                   |             |
| -N <br> <br>      | <br> 1-35LB<br> | <br>   <br> 322048 |   | ) 36 IN 1<br>DB 3 IM  | R BEND SLURR<br>V 90 D 36 IN | Y ENC        | <br>[5]<br>[5] | <br> EA]<br> EA] | [<br>  C [<br> | 1            | <br>\$  <br> | c I          | 3373.2           | i i              | 0.31                                  |             |
|                   | PD PAD          |                    |   | D218298               | }<br><b></b>                 | SEE          | SHT 1          | 0                |                |              |              |              |                  |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              |                  |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              |                  |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              | ·              |                  |                |              |              |              | <br>             |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              | ·              |                  |                |              |              |              | -                |                  | · · · · · · · · · · · · · · · · · · · |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              |                  |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              | -                |                  | · · · · · · · · · · · · · · · · · · · |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              | -                |                  |                                       |             |
|                   |                 |                    |   |                       |                              |              |                |                  |                |              |              |              | -                |                  | · · · · · · · · · · · · · · · · · · · |             |

Block 7G2 UUP Attachment E ~ Technical Specifications

| DP001EM2-LC<br>09/05/17 11  | CAL40-00                  | )1                                   | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW  | ELECTRI<br>COPY - I | C<br>DETA                         | IL                              |     |                |                      |                      |                      |                         |                           | GE NO 552 |
|-----------------------------|---------------------------|--------------------------------------|--|---------------------|-----------------------------------|---------------------------------|-----|----------------|----------------------|----------------------|----------------------|-------------------------|---------------------------|-----------|
| PROJECT: 25                 |                           |                                      | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C J              | DB 1                              |                                 |     |                |                      | 1                    | STATUS: AC           | T WOE                   | K ORDER                   | : 2960700 |
|                             | NAME :                    | ROLAND                               |  | S: ACT              |                                   |                                 |     |                |                      |                      |                      |                         |                           |           |
|                             |                           | -<br>-<br>-                          | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                                   |                                 |     |                |                      | PHO                  | NE: 999-99           | 999 1                   | LOCATION                  | 482 OF 58 |
|                             |                           |                                      | DESCRIPTION/CONSTRUCTION NOTES   | 1 073               | Z                                 | 1 143                           | DKI | MATH           | TTM                  | 200                  | STANDARD             | I CREW                  | EST  <br>HOURS            |           |
| I-N                         | [3'HD-A                   | 1 1                                  | HAND DIG TRENCH 3 FT DEEP AVE  |                     | 161F                              | 1 177                           | C : |                | S                    | С                    | G7453<br>            | 3-WE3                   | 6.3                       |           |
| I-N                         | <br> BKF-3'<br>           | i i                                  | BACKFILL TRENCH 3 FOOT DEEP  |                     | 16 E<br>                          | T?<br>                          | С   |                | S                    | С                    | [ .<br>[             | 3-WF3<br> C-BC<br>      | 0.2]                      |           |
|                             | 1                         | 611492                               | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | i i                 | 1 1<br>                           | TT 1<br>TN  <br>1               | C : | с              | S                    | С                    | G7405<br> <br>       | 3-WF3<br> C-BH<br> C-DT | [_<br>  [<br>  <b>i</b> _ |           |
| II-N [                      | i i                       | <br> 249664                          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1                   | 16 E<br>16 E                      | FΫ́                             | CI  | с              | S                    | C                    | 13373.1              |                         | j 0.2j                    |           |
| I-N                         | 1                         | <br> X30007                          | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i i                 | 1611                              | ET  <br>CY                      | CI  | l<br>C         | s                    | c                    |                      |                         | I I_                      |           |
| I-N                         | CC-2CT                    | •                                    | CONCRETE 2 SAW CUT AND BREAK MECH  | •                   | 16 1                              | FΤ                              | Ċİ  | İ              | \$<br>               |                      | Ì                    | SR3AS                   | 0.61                      | <u></u>   |
| I I N                       | <br> CF-H12               | i i                                  | FINISH CONCRETE SURFACE MAN 12 IN  | 1                   | <br>16 1                          | FTÌ                             | С   | l              |                      | C                    | 1                    |                         | 0.11                      | ·         |
| I-N                         |                           |                                      | ASPHALT 2 SAW CUT AND BREAK MECH   | i                   | •                                 | FTİ                             | сi  | 1              | i s                  | ļċ                   | i                    | SR3AS                   | 1.4                       |           |
| ] I-N                       | 1                         | <br> 114201                          | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i                   | 55   1<br>6   1                   | FT [<br>TN [                    | C   | <br>  C        | i s                  | 1 C                  | 1                    | IC-BC<br>SR4AL          | 1.5                       |           |
| I-N <br>                    | BH03XH                    | X20201<br> 114215                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 1                   | 55 1<br>42 1<br>1 2               | FT  <br>EA  <br>TN              | C   | <br>  C<br>  C | S                    | C<br> <br>           | G7453<br> <br>       | C-BC<br> C-BH<br> 3SWF4 | 2.2 <br>  2.2 <br>  4.4   |           |
| 1-N <br>                    | REM-3'                    | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i                   | 55 ju                             | ETI                             | С   | i              | S                    | i c                  | 1                    | C-DT                    | i 4.8 <br>                |           |
| I-N <br>  I-N               | SLR-18                    | 656400                               | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1                   | 65                                | FT                              | Ċ   | [              | S                    | C                    | G7409<br>            | 3-WF3                   | 0.31<br>1 1               |           |
| <br> I-N <br>   <br>   <br> | 1EB3IN<br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | <br> <br>           | 30 :<br>1 0<br>30 :<br>6 :<br>6 : | FT∣<br>C⊻∣<br>FT∣<br>EA∣<br>EA∣ | С   |                | S<br> <br> <br> <br> | C<br> <br> <br> <br> | 3376.1<br> <br> <br> |                         |                           |           |
| <br>  I-N <br>              | 1-3SLS                    | 322144<br> 656400                    | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | 1                   | 8 3<br>8 3<br>2 4                 | EA [<br>EA [<br>CY ]            | С   | <br>  C<br>  C | 1                    | C<br> <br>           | 13373.2<br>1<br>     | 3-WF3<br> <br>          | 1 1 <u>.</u><br>          |           |
| <br> I-N                    | LN-S/U                    | <b>।</b><br>मृ                       | TC-LANE CLOSURE URBAN STREET   |                     | 1)                                | EAI                             | С   | ]              | ) S                  | C                    | I.                   |                         | 1.01                      |           |
| <br> I-N                    | <br> LN/S/S               | <br>                                 | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | L<br>I              |                                   | EA                              | С   | i i            | S                    | С                    |                      |                         | 1 1.01                    |           |

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|           |                        | REV:0 TYPE: UD NAME: RÓLANDO BLK 7G2 -  |              |      |            |         | SI    | ATUS: A | CT WO          | RK ORDE  | R: 2960700   |
|-----------|------------------------|---|--------------|------|------------|---------|-------|---------|----------------|----------|--------------|
|           | NAME: ROLANI           | O BLK 7G2 T&C JOB 1 STATUS:             | ACT          |      |            |         |       |         |                |          |              |
|           |                        | DISTRICT: CM DESIGNED BY: GEORGE BONNER |              |      |            |         | PHONE | : 999-9 | 999            | LOCATIC  | N 482 OF 587 |
| F-C MU II | ] [<br>]AU ID [STOCK#] |   | QTY          | WRF  | MAT        | TIM     | ACC   | TANDARD | CREW           | EST      |              |
| I-N       |                        |   | 1 F<br>  1 F | TIC  | Í.         | S       | CI    |         | <br>  TC4      | 1 0.1    |              |
| I-N]<br>1 | ]<br> XING/S <br>]     | TRAFFIC COND. (XING LANE) STREET REPAIR | l F          | тіс  | i          | S I     |       |         | TC4            |          |              |
| I-N]      |                        | REMOVE/REPLACE LANDSCAPING              | 10 F         | T  C | 1          | S       | C     |         | <br> 3-wf3<br> | i 1.0    |              |
|           | SAW-CC                 | SAW CUT CONCRETE                        | 10[F         | TI C | i          | S       | c     |         |                | 1.5      |              |
|           | CC-WLK                 |   |              | A  C | 1          | S       | сi    |         | SR3CS<br>      | 1.0 <br> |              |
| JORK FA   |                        | EXIST TAG NEW TAG                       |              | 0010 | יייסדופייי | TON     | NOTES |         |                |          |              |
| FUNC COÈ  |                        | EAISI IAG NGW IAG                       |              | CONS | LEQU.      | - ÷ • 1 |       | •       |                |          |              |
| FUNC COÈ  |                        | SE                                      | E SHT 10     | CONE | ILQU.      | ÷       |       | •       |                |          |              |
| FUNC COD  |                        |   | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| FUNC COÈ  |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| FUNC COE  |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| FUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| TUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
|           |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| UNC COD   |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |
| -UNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       | ,<br>   |                |          |              |
| CUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       | ·<br>   |                |          |              |
|           |                        | SE                                      | E SHT 10     |      |            |         |       | ,       |                |          |              |
|           |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |
|           |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |
| rUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |
| FUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |
| rUNC COD  |                        | SE                                      | E SHT 10     |      |            |         |       |         |                |          |              |

| DP001EM2-LO<br>09/05/17 11 | :36                                   | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  | OPY - DE                         | TAI                        | L          |                |                 |            |                      |                         |                         | AGE NO 554   |
|----------------------------|---------------------------------------|--|----------------------------------|----------------------------|------------|----------------|-----------------|------------|----------------------|-------------------------|-------------------------|--------------|
|                            | 3568 JOB:0                            | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                         | 1                          |            |                |                 |            | STATUS: AC           | T WOI                   | RK ORDE                 | R: 2960700   |
| DESIGN: 01                 | NAME: ROL                             | ANDO BLK 7G2 T&C JOB 1 STATUS  | : ACT                            |                            |            |                |                 |            |                      |                         |                         |              |
| LOCATION: 4                | 83 SHEET: 0                           | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                  |                            |            |                |                 |            |                      |                         |                         | N 483 OF 587 |
| F-C MU ID                  | AU ID STOC                            | CEI DESCRIPTION/CONSTRUCTION NOTES   | RQD                              | UM                         | RSP<br>+   | RSP            | TRT             | TRT        |                      | TYPE                    | HOURS  <br>+ <b></b> +  |              |
| I-NI                       | 3'HD-A                                | HAND DIG TRENCH 3 FT DEEP AVE  | 1 16                             | I FT                       | ιc         | 1              | I S             | С          | G7453                | 3-WF3                   | 6.31                    |              |
| I-N                        | <br> BKF-3' <br>                      | BACKFILL TRENCH 3 FOOT DEEP  | 16                               | FT                         | C<br>      | :              | 1 \$            | Ċ          | I<br>I<br>E          | 3-WF3<br>  C-BC         | 0.2                     |              |
| I-N <br>  I-N <br>         | <br> SHD-12 <br>    6114              | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 16<br>  1                        | FT<br>  TN<br>             | C<br> <br> | с              | S  <br> <br>    | C<br> <br> | 1G7405<br> <br>      | 3-WF3<br> C-BH<br> C-DT | 1  <br>1  <br>          |              |
| i i                        | 2496                                  | 1<br>1-3 IN DB CONDUIT SEC<br>54 CONDUIT DB 3 IN 20 FT LENGTH  | 16<br>  16                       | FT                         | 1          | 1              | S<br>           | C I        | 3373.1               | <br> 3-WF3<br> <br>     | 0.2 <br>                | <u></u>      |
| I-N                        | 1 X300                                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>07 DUMPING FEE   | i 16<br>i 2                      |                            | i c<br>I   | i i            | S               | i c        |                      | C-DT                    | 0.41                    |              |
| I-N                        |                                       | REMOVE/REPLACE LANDSCAPING   | i 12                             | FT                         | i c        | •              | I S             |            | i                    |                         | 1.2                     | <u> </u>     |
| [I-N]                      |                                       | CONCRETE 2 SAW CUT AND BREAK MECH  | i 4                              |                            | C          | i              | 1<br>  S<br>    | Ó          | i                    | SR3AS                   | 0.2                     |              |
| 1-N                        |                                       | FINISH CONCRETE SURFACE MAN 12 IN  | 1 4                              | FT                         | i c        | i –            | i s             | i ¢        | [                    | SR3CS                   | i I                     |              |
| T-N                        |                                       | ASPHALT 2 SAW CUT AND BREAK MECH   | j 10                             | FT                         | i c        | Í.             | <br>  S<br>     | I Ç        | i                    | SR3AS                   | j 0.3j                  | <del>_</del> |
| <br> I-N <br>              | 11142                                 | <br>  ASPHALT BASE MECH 18 IN<br>01  ASPHALT (BASE)  | i 10<br>I 2                      | FT                         | i c<br>I   | I<br>I C       | 1 S<br>1        | i c        | 1                    | C-BC<br> SR4AL          | 0.31                    |              |
|                            | X202<br>  1142                        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>01 TRAFFIC BEARING STEEL PLATE<br>15 ASPHALT, COLD MIX  | 24<br>  18<br>  1                | FT<br>  EA<br>  TN         | 1 C<br>1   | <br>  C<br>  C | S<br> <br>      | C<br> <br> | 1G7453<br>1<br>1     | C-BC<br> C-BH<br> 3SWF4 | 1.0 <br>  1.0 <br>  1.9 |              |
| 1-N                        | X300                                  | TRENCH SPOIL 3 FT DEPTH<br>071 DUMPING FEE   |                                  | <br> FT                    |            | I C            | <br>  \$<br>    | C<br>      | 1                    | C-DT                    | 2.1                     | <u> </u>     |
| <br>  I-N <br>             | 6564                                  | BACKTILL SLURRY 18 IN WIDE X 12 IN DEEP<br>00  SLURRY MIX, 1 SACK SAND   | 1 5                              |                            | 1          | C              |                 | C          | G7409<br>            |                         | i 0.1                   |              |
| I-N <br>  I-N <br>   <br>  | 2482<br>   2496<br>   6635<br>   6635 | 1-3 IN EB CONDUIT CONC ENC<br>01  CONCRETE - 2 SACK (GRAVEL MIX)<br>64  CONDUIT DB 3 IN 20 FT LENGTH<br>28  SPACER INTERMEDIATE 5 IN 2-WAY<br>30  1 IN BASE SPACER | 20<br>  1<br>  20<br>  20<br>  3 |                            |            | i i            | S<br> <br> <br> | 1 C        | 3376.1<br> <br> <br> | 3-WF3                   | 0.4                     |              |
| II-N                       | 3220<br>  6564                        | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>48 BEND CONDUIT DB 3 IN 90 D 36 IN R<br>00 SLURRY MIX, 1 SACK SAND   |                                  | .   ЕА<br>.   ЕА<br>.   СҮ |            | C<br>  C       | l<br>I          | 1<br>1     |                      |                         |                         |              |
| <br> I-N                   | 1-3SLS                                | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED  |                                  | <br>3 EA                   |            |                | [<br>  S        |            | <br> 3373.2          | 3-WF3                   | 0.5                     |              |

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|                     |        |                    | REV:0 TYPE: UD                            |   |                |                |     |              |          |                |                  |                       |                          |            |
|---------------------|--------|--------------------|---|---|----------------|----------------|-----|--------------|----------|----------------|------------------|-----------------------|--------------------------|------------|
| ESIGN: 01           | NAME   | : ROLAND           | 0 BLK 7G2 T&C JOB 1                       | STATU                                   | S: ACT         |                |     |              |          |                |                  |                       |                          |            |
| CATION: 48          | 3 SHE  | ET: 02             | DISTRICT: CM DESIGN                       | ED BY: GEORGE BONNER                    |                |                |     |              |          | PHON           | E: 999-99        | 99                    | LOCATION                 | 483 OF 587 |
| WRK   <br>F-C MU ID | AU ID  | !<br> stocx#       | DESCRIPTION/CO                            | NSTRUCTION NOTES                        | QTY<br>  RQD   | ]<br>  UM      | WRK | MAT<br>  RSP | TIM      | ACC  <br>  TRT | STANDARD<br>PAGE | CREW                  | EST  <br> HOURS          |            |
|                     |        | 322144 <br> 656400 | BEND CONDUIT DB 3                         | IN 22.5 D 25 FT R                       |                | EA             |     | i c          |          | i i            |                  | -+ <b></b> -<br> <br> | ;+-<br>   <br>  <b> </b> |            |
| I-N[ [              | LN−S/U |                    | TC-LANE CLOSURE URBA                      | N STREET                                | 1              | EA             | с   | l<br>I       | S        | CI             |                  | TC3                   | 1.0                      |            |
|                     | LN/S/S |                    | LANE CLOSURE URBAN S                      | T (STREET REPAIR)                       | 1              | I<br>IEA       | с   | [            | s        | ¢              |                  | TC4                   | 1.0[                     |            |
|                     | XING-U |                    | TC-TRAFFIC CONDITION<br>ASPHALT, COLD MIX | IS STREET CROSSINGS                     |                |                |     | i<br>c       |          | C              |                  | TC4                   | 0.1 <br>  0.1            |            |
|                     | XING/S |                    | TRAFFIC COND. (XING                       | LANE) STREET REPAIR                     | [<br>[ 1       | <br>  FT       | С   | l<br>I       | 5        | C              |                  | TC4                   | 0.1                      |            |
|                     | PLANŢŲ |                    | REMOVE/REPLACE LANDS                      | CAPING                                  | 1 10           | <br>  FT       | с   | [            | S        | C              |                  | <br> 3-WF3            | <br>  1.0 _              |            |
|                     | SAW-CC |                    | SAW CUT CONCRETE                          |   | 1.0            | <br>  FT       | ¢   | 1            | S        | C              |                  |                       |                          |            |
|                     | CC-WLK | 1 1                | CONCRETE SIDEWALK SE<br>CONCRETE - 6 SACK | CTION (5X5) FINISHED<br>(3/4" ROCK MIX) | <br>  1<br>  1 | <br> EA<br> CY | с   | <br> <br>  C | [<br>  S | <br>  C  <br>  |                  |                       | <br>  1.0 _<br>          |            |

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Block 7G2 UUP Attachment E – Technical Specifications

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| DP001EM2-L00                     | CAL40-00<br>:36           | 1                                    | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  | OPY - DE    | TAI  | L  |              |                      |                 |                    |                             |                           | AGE NO 556   |
|----------------------------------|---------------------------|--------------------------------------|--|-------------|--|--|--------------|----------------------|-----------------|--------------------|-----------------------------|---------------------------|--------------|
| PROJECT: 25                      | 3568 3                    | JOB:01                               | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB    | 1  |  |              |                      |                 | STATUS: A          | CT WOE                      | RK ORDE                   | R: 2960700   |
|                                  |                           |                                      | O BLK 7G2 T&C JOB 1 STATUS   |             |  |  |              |                      |                 |                    |                             |                           |              |
| LOCATION: 4                      | 84 SHEE                   | T: 01                                | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |             |  |  |              |                      |                 |                    |                             |                           | N 484 OF 587 |
| WRK <br> F-C MU ID               | AU ID                     | STOCK#                               | DESCRIPTION/CONSTRUCTION NOTES   | RQD         | 10M  | RSP<br>+   | RSP <br>+    | TRT                  | TRT             | STANDARD<br>  PAGE | TYPE<br>                    | HOURS                     |              |
| I-NI                             | 3'HD-A                    | 1                                    | HAND DIG TRENCH 3 FT DEEP AVE  | 1 21        | FT   | [ C  |              | <b>S</b>             | Ċ               | G7453<br>          | (3-WF3                      | 8.1 <br>                  |              |
| I-N                              | BKF-3'                    |                                      | BACKFILL TRENCH 3 FOOT DEEP  |             |  |  |              |                      |                 | ,<br> <br> <br>    |                             |                           |              |
| <b> </b>                         | <br>  SHD-12<br>          | 611492                               | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  |             | FT<br>  TN<br>                             | C<br> <br>1  | <br>  C<br>  | \$  <br>       <br>[ | С               | G7405<br>          | 3-WF3<br> C-BH<br> C-DT<br> | ( 0.1)<br>  0.1 <br>  0.1 |              |
|                                  | i i                       | 249664                               | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 21          | iFT<br>IFŤ                                 | 1  | 1<br>1 C     | S  <br>              | C               | 3373.1<br>         | 3-WF3                       | 0.31                      |              |
| I-N                              | R-XCES                    | X30007                               | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 21        | <br> FT<br> CY                             | [ C<br>]   | i            | S ]                  | C<br>           | <br>               | C-DT                        |                           |              |
| I-N                              | CC-2CT                    | •                                    | CONCRETE 2 SAW CUT AND BREAK MECH  | 21          | FT   | i c  | Ì            | 1<br>1 S<br>1        | С               | Ì                  | SR3AS                       | 0.81                      |              |
| I-N                              |                           | i i                                  | FINISH CONCRETE SURFACE MAN 12 IN  | 21          | FT   | <br>  C  | Ì            | <br>  S<br>          | C               | i                  | SR3CS                       | 0.11                      |              |
| II-N                             | AS-2CT                    |                                      | ASPHALT 2 SAW CUT AND BREAK MECH   | 1 50        | )   FT                                     | I<br>I<br>C  | i            | s                    | i C             | 1                  | I SR3AS                     | 1 1.3                     |              |
| T – N  <br>                      | ł                         | <br> 114201                          | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i 50        | )<br>  FT                                  | i c  | <br> <br>  C | S                    | C               |                    | C-BC<br> SR4AL              | 1.4 <br>  1.4             |              |
|                                  | BHO3XH                    | X20201                               | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 5           | 5   FT<br>7   EA<br>L   TN                 | "  C<br>. <br>[]   | 1            | S<br> <br>           | C<br> <br>      | IG7453<br>1<br>1   |                             | 3.0 <br>  3.0 <br>  6.0   |              |
| <br> I-N]<br>                    | REM-3'                    | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 7           | 5 <b>  F</b> T                             | 1 C  | E            | I S                  | C               |                    |                             | 6.6                       |              |
| I-N                              | SLR-18                    | 656400                               | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 22          | 5   FT<br>3   CY                           |  | 1            | \$<br>               | 1 C<br>         | G7409<br>          | 3-WF3<br>                   | 1 0.5                     |              |
| I-N <br>[    <br>!  <br>!  <br>! | 1EB3IN<br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER |             | ) F1<br>1 CY<br>2 E7<br>2 E7<br>2 E7       |  |              | 5<br> <br> <br>      | C<br> <br> <br> | 3376.1<br> <br>    |                             |                           |              |
| <br>  I-N]<br>                   | 1-3SLS                    | 322144<br> 656400                    | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | i<br>I<br>I | 8   E <i>F</i><br>8   E <i>F</i><br>2   CY | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | Ì            | S<br> <br>           | C<br> <br>      | 3373.2<br> <br>    | 3-WF3<br> <br>              |                           |              |
| I-N [                            | LN−S/U                    |                                      | I TC-LANE CLOSURE URBAN STREET   | 1           | 1   E7                                     | A) C   | 1            | \$<br>               | 1 C             | 1                  | TC3                         |                           | · <u>-</u>   |
| <br> I-N]                        | <br> LN/S/S               | l                                    | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  |             |  |  |              |                      |                 |                    | TC4                         |                           |              |

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| ROJECT: 2            | 53568 JOB:01             | REV:0 TYPE: UD NAME: ROLANDO   | D BLK 7G2 -T&C JOB  | 1                  |  |                        |      |                                       |                 | R: 2960700  |
|----------------------|--------------------------|--|---------------------|--------------------|--|------------------------|------|---------------------------------------|-----------------|-------------|
|                      | NAME: ROLANI             | 00 BLK 7G2 T&C JOB 1   | STATUS: ACT         |                    |  |                        |      |                                       |                 |             |
| CATION:              | 484 SHEET: 02            | DISTRICT: CM DESIGNED BY: GEORGE                                     |                     |                    |  |                        |      |                                       |                 | N 484 OF 58 |
| WRK <br>F-C MU ID    | !                        | DESCRIPTION/CONSTRUCTION NO  | I QTY<br>DTES I RQD | UM   R             | VRK MAT                                | TIM  <i>F</i><br>TRT 1 |      | RD  CREW<br> TYPE                     | EST  <br> HOURS |             |
| <br> -n <br>         | <br> XING-U <br>  114215 |  | SSINGS [ 1          | <br> FT            |  | s                      | C    | <br> TC4                              | <br>  0.1       |             |
|                      |                          | TRAFFIC COND. (XING LANE) STREET                                     |                     | <b> </b><br> FT    |  | <br>S                  | c    | [<br>[ TÇ4                            |                 |             |
| [-N                  | <br>  PLANTU             | REMOVE/REPLACE LANDSCAPING   | 10                  | ] [<br> FT         | Ċ                                      | <br>S                  |      | <br> 3-WF3                            | 1 1.0           |             |
|                      |                          | SAW CUT CONCRETE   | 10                  | ]  <br>]FT         | С                                      | <br>S                  | c i  |                                       | 1.5             |             |
| I—N  <br>1           |                          | CONCRETE SIDEWALK SECTION (5X5) F<br>CONCRETE - 6 SACK (3/4" ROCK MI | FINISHED   1        | 1  <br> EA <br> CY | С                                      | s  <br>1               | CI   | <br>  SR3CS<br>                       | 1 1.0           |             |
| IORK FAG<br>FUNC COD |                          | EXIST TAG NEW TAG  |                     | co                 | NSTRUCI                                | ION N                  | OTES |                                       |                 |             |
|                      |                          |  | SEE SHT 10          | C                  |  |                        |      |                                       |                 |             |
|                      |                          |  | SEE SHT 10          |                    |  |                        |      |                                       |                 |             |
|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |
|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |
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|                      |                          | · · · · · · · · · · · · · · · · · · ·                                |                     |                    |  |                        |      |                                       |                 |             |
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|                      |                          | ······   |                     |                    |  |                        |      |                                       |                 |             |
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|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |
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|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |
|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |
|                      |                          |  |                     |                    |  |                        |      |                                       |                 |             |

Block 7G2 UUP Attachment E – Technical Specifications

| OJECT: 25                             | 3568 3      | OB:01   | REV:0          | TYPE     | : 00   | NAME: H             | OLANDO              | BLK 7G2    | -T&C JOE     | 1              |         |         |                |                                       |                                       | RK ORDE                               | R: 2960700   |
|---------------------------------------|-------------|---------|----------------|----------|--------|---------------------|---------------------|------------|--------------|----------------|---------|---------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------|
| SIGN: 01                              | NAME :      | ROLAND  | 0 BLK 70       | 52 T&C J | ов 1   | <b></b>             |                     | STATUS     | : ACT        |                |         |         |                |                                       |                                       |                                       |              |
| CATION: 4                             |             |         |                | : CM     | DESIG  | NED BY:             | GEORGE              | BONNER     |              |                |         | <b></b> |                | DNE: 999-9                            |                                       |                                       | N 485 OF 587 |
| <br>RK <br>-C MU ID                   | 1 777 779 1 | 0000741 |                | DECOTO   |        | ONGTRIC             |                     | res        | QTY<br>  ROD | LTM1           | RSPI    | RSPIT   | RTITR          | C STANDARD                            | TYPE                                  | HOURS                                 |              |
| -N                                    | 1330926     | 1       | HAND H         | IOLE 330 | 9.2 37 | "X 26" X            | 26"                 |            |              | . EA <br>. EA[ | C  <br> | c i     | s i c<br>I     |                                       | 3SWF3<br>                             | [ 0.8]<br>[ ]                         |              |
| Nİ                                    |             |         | INSTAL         |          |        | REMOVE<br>6"26"     |                     |            |              | EA <br> EA     | C  <br> | ן<br>כו | 5   C<br>      | 3309.2<br>                            | 1                                     | 0.8 <br>                              | . <u> </u>   |
| -N                                    | 1           | 322048  | 1-3 II<br>BENI | CONDUI   | T DB 3 | N R BENI<br>IN 90 1 | ) SLURRY<br>D 36 IN | Y ENC<br>R |              | EA             | С       | сi      | sic<br>I       | 3373.2<br>I                           | [                                     | 0.2                                   | -            |
| i                                     | 1           |         |                |          |        | K SAND<br>SCAPING   |                     |            | i            |                |         | 1       | <br> <br>s   c |                                       | 1<br>13-WF3                           | 0.1                                   |              |
|                                       |             |         |                |          |        |                     |                     |            | SEE SHT :    | LO             |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       | i            |
| · · · · · · · · · · · · · · · · · · · |             |         |                |          |        |                     |                     |            |              |                |         |         |                | · · · · · · · · · · · · · · · · · · · |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
|                                       |             |         |                |          |        |                     |                     |            |              |                |         |         |                |                                       |                                       |                                       |              |
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| P001EM2-<br>9/05/17 | -LOCAL40-0<br>11:36 | 01                             | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC   | LECTRIC<br>)PY - DE                  | TAI                                      | L                |        |                                     |     |                |                              | P       | AGE NO 559   |
|---------------------|---------------------|--------------------------------|--|--------------------------------------|--|------------------|--------|-------------------------------------|-----|----------------|------------------------------|---------|--------------|
| ROJECT:             | 253568              | JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                              | 1  | <b></b>          |        |                                     | 5   | STATUS: A      | T WOI                        | RK ORDE | R: 2960700   |
| ESIGN: (            | )1 NAME             | : ROLAND                       | 0 BLK 7G2 T&C JOB 1 STATUS:  | ACT                                  |  |                  |        |                                     |     |                |                              |         |              |
| OCATION:            | : 486 SHE           | ET: 01                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                      |  |                  |        |                                     | PHO | NE: 999-9      | 999 :                        | LOCATIO | N 486 OF 587 |
|                     |                     |                                | DESCRIPTION/CONSTRUCTION NOTES   |                                      |  |                  |        |                                     |     |                |                              |         |              |
| I-N <br>            | 3'HD-A<br>          | [                              | HAND DIG TRENCH 3 FT DEEP AVE  | i 14                                 | FT                                       | 101              |        | I S                                 | C   | [G7453         | 3-WF3                        | 5.51    |              |
| I-N <br>            | BKF-3'<br> <br>     | i i                            | BACKFILL TRENCH 3 FOOT DEEP  | 14                                   | I FT                                     | 1 C I            |        | IS<br>I                             | l C | I              | 3-WF3<br> C-BC               | 0.21    |              |
| I-N <br> <br>]      | SHD-12<br>          |                                | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 1                                    | ] TN                                     | [ ]              | с      | '<br>                               | С   | G7405<br> <br> | C-BH<br>  C-DT               |         |              |
| I-NI                | 1                   |                                | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 14                                   | IFT                                      |                  | с      | S<br>                               | С   | 3373.1<br>     | 1                            | 0.2     |              |
| I-N <br>[           | : R-XCES<br>[       | i i                            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 14                                   |  | C  <br>  C  <br> |        | S                                   | c   | <br>           | 1                            | 0.4     |              |
| I-N[                |                     | i i                            | CONCRETE 2 SAW CUT AND BREAK MECH  |                                      |  | c                |        |                                     |     | 1              | <br>  SR3AS                  | 0.6     |              |
| I-N                 | CF-H12              | i i                            | FINISH CONCRETE SURFACE MAN 12 IN  | 1 14                                 |  | i c i            |        | S                                   | с   | 1              |                              | 0.1     |              |
| ∑−N  <br> <br>      | I                   | <br> X20201 <br> 114215        | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 7<br>  6<br>  1                      | FT<br>  EA<br>  TN                       |                  | с<br>с |                                     | С   | G7453<br> <br> | <br> C-BC<br> C-BH<br> 3SWF4 | 0.3     |              |
| I-N                 | REM-3 '             | X30007                         | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 7<br>i 2                           | ET<br>CY                                 |                  | с      | i                                   | С   | l<br>I         | C-DT                         | 0.61    |              |
| Ĩ−N <br>            | SLR-18<br>          | [656400]                       | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 21<br>  2                            | CY                                       |                  | с      | i i                                 | С   | G7409          | <br> 3-WF3<br>               |         |              |
| I-N]<br>[<br>[      | 1EB3IN<br> <br>     | 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (CRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 7<br>  1<br>  7<br>  7<br>  2<br>  2 | FT<br>  CY  <br>  FT  <br>  EA  <br>  EA |                  | 0000   | <br>   <br>  <b> </b><br>] <b> </b> | с   | 3376.1         |                              |         |              |
| I-N                 |                     |                                | SAW CUT CONCRETE   | 1 10                                 | FT ]                                     |                  |        | I S                                 | - , |                |                              | 1.5     |              |
| 1-N <br>            | 1                   | i i                            | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | 1                                    | EA<br>CY                                 | C :              | с      | [ \$  <br>                          | c i |                | 1                            | 1.01    |              |
| I-N                 | <br> LN-S/U         |                                | TC-LANE CLOSURE URBAN STREET   | 1                                    | EA                                       | С                |        | <br>  S                             | C   |                | [<br>  TC3                   | 1.01    |              |
| i<br>I-NI           | <br>[LN/S/S         |                                | LANE CLOSURE URBAN ST (STREET REPAIR)  |                                      |  |                  |        | <br>  S                             | c   |                | TC4                          |         |              |

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## CONSTRUCTION NOTES

## SEE SHT 10

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| DP001EM2-L0        | 1:36            |   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | PY - DE                    | TAI                                |              |              |            |                 |                    |                         |                                   | GE NO 560  |
|--------------------|-----------------|---|--|----------------------------|------------------------------------|--------------|--------------|------------|-----------------|--------------------|-------------------------|-----------------------------------|------------|
| DBOJECT 29         | 53568           | TOB-01                                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB                    | 1                                  |              |              |            |                 | STATUS: AC         | T WOH                   | RK ORDER                          | : 2960700  |
|                    |                 |   | 00 BLK 7G2 T&C JOB 1 STATUS:   |                            |                                    |              |              | _`         |                 |                    |                         |                                   |            |
| LOCATION: (        | 487 SHE         | ET: 01                                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                            |                                    |              |              |            |                 |                    |                         |                                   | 487 OF 587 |
| WRK <br> F-C MU ID | AU ID           | <br> STOCK#                             | DESCRIPTION/CONSTRUCTION NOTES   | RQD                        | UM                                 | RSP          | RSP          | TRT        | TRT             | STANDARD<br>  PAGE | TYPE                    | HOURS  <br>++-                    |            |
| I-N                | 13'HD-A         | + <b></b> +                             | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | [ 18                       | FT<br>1                            | c            |              | \$         | с               | G7453              | 3-WF3                   | 7.0                               |            |
| I-N                | Í.              | i I                                     | BACKFILL TRENCH 3 FOOT DEEP  | 1 18                       | FT<br>                             | Ç            |              | 5          | с               | 1                  | [C-BC                   | 0.3                               |            |
| <br> I-N <br>      | I               | 1 1                                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 18<br>  1                  | FT<br>  TN<br>]                    | 1 C<br> <br> | C            | ISI        | С               | G7405<br> <br>     | C-BH<br> C-DT           | 0.1 _<br>  0.1 <br>  0.1 _        |            |
|                    | l               | 249664                                  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | i 18<br>i 18               | [FT                                | C<br>        | 1            | S<br>      |                 | 3373.1<br>         | <br> 3-WF3<br> <br>     | 0.31                              |            |
| II-N               | 1               | <br>  X30007                            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 18                         | IFT                                | i C          | 1            | I S        | C               | 1<br> <br> <br>    | C-DT                    |                                   |            |
| <br>  I-N          | <br> CC-2CT     |   | CONCRETE 2 SAW CUT AND BREAK MECH  | 18                         | FT                                 | [ C          | 1            | I S        | I C             | l                  | I SR3AS                 | 1 0.71_                           |            |
| <br> I-N           | <br> CF-H12     |   | FINISH CONCRETE SURFACE MAN 12 IN  | i 18                       | FT                                 | i c          | 1            | i s        | C               | i                  | SR3CS                   | 0.1                               | <u> </u>   |
| I-N                | AS-2CT          |   | ASPHALT 2 SAW CUT AND BREAK MECH   | i 13                       | FT                                 | C            |              | S          | i c             | i                  | SR3AS                   |                                   |            |
| [<br>  I—N  <br>   | ĺ               | 114201                                  | <br>  ASPHALT BASE MECH 18 IN<br>  ASPHALT (BASE)  | 13                         | FT<br>  TN                         | i C<br>I     | <br> <br>  C | S<br>      | i C<br>         | 1                  | IC-BC<br>ISR4AL         | 0.4 _<br>0.4 <br>0.4              |            |
| I—N <br>           | ВНОЗХН          | X20201<br> 114215                       | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX  | 23<br>  18<br>  1          | FT<br>  EA<br>  TN                 | 1 C          | i i          | S<br>      | i c<br>I<br>I   | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | 0.9 <br>  0.9[<br>  1.8 <br>  1.8 |            |
| I-N <br>           | REM-3'          | IX30007                                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 23                       | FT                                 | C            | i            | I S        | I C             | 1                  | C-DT                    | i 2.0j<br>1 1_                    |            |
| <br>  I-N  <br>    | SLR-18          | 656400                                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>  SLURRY MIX, 1 SACK SAND   | 68<br>  4                  | FI<br> CY                          | C<br>        | 1            | I S        | C<br>           | G7409<br>          | 3-WF3<br> <br>          | 0.1[<br>  <b> </b>                |            |
|                    | 11EB3IN         | 248201<br> 249664<br> 663528<br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | i 42<br>i 1<br>i 42<br>i 8 | FT<br>  CY<br>  FT<br>  EA<br>  EA |              | Ì.           | S<br> <br> | C<br> <br> <br> | 3376.1             |                         | 0.61                              |            |
| I-N <br>           | 1-3SLE<br> <br> | 322048<br> 656400                       | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 1                          | EA                                 | i c          | i<br>I C     | S          | i c<br>I        | 3373.2<br> <br>    |                         | [ ]                               |            |
| I-N<br> <br>       | 1-3SLS          | 322144                                  | <br>  1-3 IN DE 22.5 D 25 FT R SLURRY ENCASED<br>  BEND CONDUIT DE 3 IN 22.5 D 25 FT R<br>  SLURRY MIX, 1 SACK SAND                                | 1 3                        | S E F                              | i i          |              | 1          | 1               | 1                  |                         | 0.5                               |            |

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| 001EM2-L |                 | 01            |  | SAN DIEGO GA<br>DPSS - DESIGN RE |           | ( - DE1 |    |         |              |      |                    |       | F                                       | AGE NO 5 | 61  |
|----------|-----------------|---------------|--|----------------------------------|-----------|---------|----|---------|--------------|------|--------------------|-------|---|----------|-----|
|          |                 |               | REV:0 TYPE: UD                           |                                  |           |         |    |         |              |      | STATUS: AC         |       |   |          |     |
|          |                 |               | 0 BLK 7G2 T&C JOB 1                      |                                  | STATUS: A | 1CT     |    |         |              |      |                    |       |   |          |     |
| CATION:  | 487 SHE         | ET: 02        | DISTRICT: CM DESIG                       |                                  |           |         |    |         | <b></b>      | PHO  | NE: 999-99         | 99    | LOCATIC                                 | N 487 OF | 587 |
|          | AU ID<br>-+     | STOCK#  <br>+ | DESCRIPTION/C                            |                                  | i 8       |         |    |         |              |      | STANDARD<br>  PAGE |       |   |          |     |
|          | <br> LN-S/U<br> | i i           | TC-LANE CLOSURE URB                      | AN STREET                        |           | 1       | EA | С       | <br>  \$<br> | i c  | ĺ                  | TC3   | <br>  1.0                               |          |     |
|          | LN/S/S          | l İ           | LANE CLOSURE URBAN                       | ST (STREET REPAIR                |           | 1       |    | С       | l s          | С    | l                  | TC4   | <br>  1.0 <br>                          |          |     |
| i        | PLANTU<br>      | i i           | REMOVE/REPLACE LAND                      | SCAPING                          | <br> <br> | 10)     |    | C .     | S            | с    | l                  | 3-WF3 | 1.01                                    |          |     |
| I-NI     | SAW-CC          | i i           | SAW CUT CONCRETE                         |                                  |           | 101     |    | С       | S            | с    |                    | SR-3C | <br>  1.5 <br>                          |          |     |
|          | CC-WLK          | i i           | CONCRETE SIDEWALK S<br>CONCRETE - 6 SACK |                                  |           | 1 <br>1 | ĒA | С       | S            | C    |                    | SR3CS | <br>  1.0 <br>                          |          |     |
| UNC COD  | É DESC          |               | EXIST TAG NEW                            | IAG                              | SEE       | SHT 1(  |    | DNSTRUG | CTION        | NOTI | ES                 |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          | -               |               |  |                                  |           |         |    |         |              |      |                    |       | · • · · · · · · · · · · · · · · · · · · |          |     |
|          |                 |               |  |                                  |           |         |    |         |              | _    |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          | <u> </u>        |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  | · · · · · ·                      | . <u></u> |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |
|          |                 |               |  |                                  |           |         |    |         |              |      |                    |       |   |          |     |

Block 7G2 UUP Attachment E – Technical Specifications .

| P001EM2-LO0<br>9/05/17 11 | :36             |                        |                            |                                    |                         |                   |                  | O GAS ANI<br>N REVIEW |        |                 | AIL                |              |          |              |          |                  |                | PA       | GE NO 562  |
|---------------------------|-----------------|------------------------|----------------------------|------------------------------------|-------------------------|-------------------|------------------|-----------------------|--------|-----------------|--------------------|--------------|----------|--------------|----------|------------------|----------------|----------|------------|
| ROJECT: 25                | 3568 .          | JOB:01                 | REV:0                      | TYPE:                              | UD                      | NAME:             | ROLANDO          | O BLK 7G              | 2 -T&G | JOB             | 1                  |              |          |              |          |                  |                |          | : 2960700  |
| ESIGN: 01                 | NAME            | : ROLAN                |                            | 32 T&C JC                          | в 1                     |                   |                  | STAT                  | US: AC | Т               |                    |              |          |              |          | <b></b>          |                |          |            |
| CATION: 4                 | 38 SHEI         | ET: 01                 | DISTRICI                   | : CM                               | DESIG                   | NED BY            | : GEORGI         | E BONNER              |        |                 |                    |              |          | 1<br>        | PHON     | E: 999-99        | 99 1           | LOCATION | 488 OF 587 |
| NRKJ                      |                 |                        | i<br>1                     | DESCRIPT                           | TON/C                   | ONSTRU            | CTION N          | OTES                  | 1      | ROD I           | UMI                | RSP!         | RSPI     | TRT          | TRT      | STANDARD<br>PAGE | TYPE           | HOURS    |            |
| I — N  <br>[<br>]         | 1EB3SL<br> <br> | <br> 249664<br> 656400 | 1-3 IN<br>  CONI<br>  SLUE | N EB CONI<br>DUIT DB 3             | DUIT S<br>IN 2          | SLURRY<br>20 FT L | encased<br>Ength |                       |        | 121<br>121<br>3 | FT <br> FT <br> CY | C  <br> <br> | c        | S [<br> <br> | C  <br>[ | 3376.1           | 3-WF3<br> <br> | [ 1.7]   |            |
| [-N]                      | 1-3SLB<br> <br> | 656400                 | 1-3 IN<br>  BENU<br>  SLUP | N DB 90 1<br>D CONDUIT<br>RRY MIX, | 0 36 1<br>DB 3<br>1 SAG | CK SAND           |                  |                       | 1      | 2 <br>2 <br>1   | EA<br>EA<br>CY     | CI           | c I      | S  <br>      | C I      | 3373.2           | 3-WF3<br>      | 0.1      |            |
| IORK FAC                  |                 | <b>_</b>               |                            | ST TAG                             | NEŴ                     |                   |                  |                       |        |                 |                    | ONST         | RUCT     | ION          | NOTE     |                  |                |          |            |
|                           |                 |                        |                            |                                    |                         |                   | <b></b>          |                       |        | SHT 10          |                    |              | <b>_</b> |              |          |                  |                |          |            |
|                           |                 |                        |                            |                                    | ·                       |                   |                  |                       |        |                 |                    |              |          |              |          |                  |                |          |            |
|                           |                 |                        |                            |                                    |                         |                   | <u>.</u>         |                       |        |                 |                    |              |          |              |          |                  |                |          |            |
|                           |                 |                        | ,                          | ii                                 |                         |                   |                  |                       |        |                 |                    |              |          |              |          |                  |                |          |            |
|                           |                 |                        |                            |                                    |                         |                   |                  | <u>.</u>              |        |                 |                    |              |          |              |          | <u> </u>         |                | <u></u>  |            |

T
| JECT: 25          |              | TOB:01 | REV:0          |                     |                   |               | LANDO BLK 7G2 -       |       |                       |         |         |         | 5    | TATUS: AC                             | T WO                                   | RK ORDF | R: 2960700                            |
|-------------------|--------------|--------|----------------|---------------------|-------------------|---------------|-----------------------|-------|-----------------------|---------|---------|---------|------|---------------------------------------|--|---------|---------------------------------------|
|                   |              |        |                |                     |                   |               | STATUS :              |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               | EORGE BONNER          |       |                       |         |         |         |      |                                       |  |         | ON 489 OF 587                         |
|                   |              |        |                |                     | DESIGN.           | GI: GI        | EURGE BONNER          |       |                       |         |         |         |      |                                       |  |         | <b></b>                               |
| 'RK <br>'-C MU ID | AUID         | STOCK# |                | DESCRIPI            |                   |               |                       | RQD   | UM [                  | RSP     | RSP     | TRT     | TRT[ | STANDARD<br>PAGE                      | TYPE                                   | HOURS   |                                       |
| 1                 |              | 162690 | HAND H<br>QUAZ |                     |                   |               | 26"                   | 1 3   | l EA                  | 1       | I C I   | [       | 1    | 3309.2                                | 1                                      | i i     |                                       |
| -N                | X09H26 <br>  | 162690 | INSTAL<br>QUAZ | L EXCAVA<br>ITE BOX | ATION/R<br>37"X26 | EMOVE<br>"26" |                       |       | l EA <br>L EA         | C  <br> | <br>  C | I S I   | CI   | 3309.2                                | 1                                      | i 0.81  |                                       |
|                   | 1-3SLB <br>  |        | 1-3 IN<br>BEND | CONDUIT             | DB 3              | IN 90 D 3     | SLURRY ENC<br>36 IN R | 1     | 2   EA                | C I     |         | S  <br> | C I  | 3373.2                                | 1                                      | 0.1     |                                       |
| i                 | <br>  PLANTU |        | REMOVE         | RY MIX,<br>/REPLACE |                   |               |                       |       | L CY[<br>  ]<br>L FT[ | I       | !!      |         | ſ    |                                       | <br> <br> 3-WF3                        |         |                                       |
| ORK FAC           |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
| UNC CODE          |              |        | EXIS           | r tag               | NEW T.            | AG            |                       |       | C                     | ONSI    | IRUCT   | TON     | NOTE | s                                     |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
| <b></b>           |              |        |                |                     |                   |               |                       | E SHT |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               | SE                    |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                | <u> </u>            |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       | ······································ |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         | ······                                |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
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|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         | ·                                     |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         | ·                                     |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         | · · · · · · · · · · · · · · · · · · · |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      | · · · · · · · · · · · · · · · · · · · |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |
|                   |              |        |                |                     |                   |               |                       |       |                       |         |         |         |      |                                       |  |         |                                       |

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|                    | 25.00        | OD - 01                             | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                        | 1                    |                      |            |                 | :   | STATUS: AC           | T WO                     | RK ORDEN                | R: 2960700 |
|--------------------|--------------|-------------------------------------|--|---------------------------------|----------------------|----------------------|------------|-----------------|-----|----------------------|--------------------------|-------------------------|------------|
|                    |              |                                     |  | S: ACT                          |                      |                      |            |                 |     |                      |                          |                         |            |
| DCATION: 4         | 90 SHEE      | T: 01 J                             | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                 |                      |                      |            |                 | PHO | NE: 999-99           | 99                       | LOCATIO                 | N 490 OF 5 |
| NRK]<br>F-C MU ID  | <br> AU ID   | <br>STOCK#                          | DESCRIPTION/CONSTRUCTION NOTES   | i ROD                           | I UM                 | IRSP                 | IRSP       | TRT             | TRT | STANDARD<br>  PAGE   | TYPE                     | HOURS                   |            |
| I-N                | AB-M18       | I I                                 | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 27<br>  3                       | FT                   | C                    | 1          | S               | с   | l<br>l               | C-BC<br> SR4AL           | 0.7 <br>  0.7 <br>  0.7 |            |
| [<br>              | AS-2CT       |                                     | ASPHALT 2 SAW CUT AND BREAK MECH   | 1 27                            | <br> FT              |                      | 1          | S               |     | [                    | SR3AS                    | 0.71                    |            |
| I – N !<br> <br>   |              | x202011                             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 25                              | · ·                  | i c<br>1<br>1        |            |                 |     | G7453<br>            | C-BC<br> C-BH            | 1.3 <br>  1.3 <br>  2.6 |            |
| E-N <br>[          |              |                                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 33<br>I 9                     |                      | i c<br>I             | j c        |                 | l   |                      |                          |                         |            |
| [-N]               | l l          | 6564001                             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1 99<br>1 6                     | FT                   | i C<br>I             |            | s               | i c | IG7409               | 3-WF3                    | 1 0.2                   |            |
| I-N <br> <br> <br> | 1            | <br> 248201 <br> 249664 <br> 663528 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 33<br>  1<br>  33<br>  6<br>  6 | FT<br>FT<br>FT<br>EA | C<br> <br> <br> <br> | i c<br>I c | 1<br> <br> <br> |     | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br> <br> | 0.51                    |            |
| I-N                | LN-S/U       |                                     | TC-LANE CLOSURE URBAN STREET   | j 1                             |                      | i c                  |            | S               | i c | 1                    | TC3                      | 1 1.0                   |            |
| I-N                | l<br> LN/S/S | • • •                               | LANE CLOSURE URBAN ST (STREET REPAIR)  | į 1                             |                      | ic                   |            | IS              | ċ   | <br>                 | TC4                      | i 1.0i                  | _1         |
| I –N  <br>         | XING-U       |                                     | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX  | 1                               |                      | i c                  | c          |                 |     |                      | TC4                      | 0.1                     |            |
| <br>I-N            | <br> XING/S  | l I                                 | TRAFFIC COND. (XING LANE) STREET REPAIR  |                                 |                      |                      |            | S               | i c | l                    | TC4                      | 1 0.1                   |            |

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CONSTRUCTION NOTES

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| OJECT: 25        | 3568 3               | JOB:01  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |                                     |             |            |                     |             |              |                           | T WOF                | K ORDE             | R: 2960700  |
|------------------|----------------------|---|--|-------------------------------------|-------------|------------|---------------------|-------------|--------------|---------------------------|----------------------|--------------------|-------------|
| SIGN: 01         |                      |   | O BLK 7G2 T&C JOB 1 STATU  | S: ACT                              |             |            |                     |             |              |                           |                      |                    |             |
|                  |                      |   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                     |             |            |                     |             |              | NE: 999-99                | 199 I                | LOCATIO            | N 491 OF 58 |
| RK <br>'-C MU ID | <br> AU ID           | <br>  stock# [                                  | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                        | ]<br>  UM [ | WRK<br>RSP | (MAT<br>(RSP        | I TIM       | ACC<br>  TRT | STANDARD<br>  PAGE        | CREW  <br> TYPE      | EST  <br>HOURS     |             |
| -N               | AS-2CT               | 1 1   | ASPHALT 2 SAW CUT AND BREAK MECH   | ( 235                               | FT          | Ċ          | [                   |             |              | L                         | SR3AS                | 6.1                |             |
|                  | 1                    | <br> 114201                                     | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | [ 235<br>[ 9                        | [FT]        |            |                     |             | <br>  C<br>  |                           | <br> SR-3A <br>      |                    |             |
| -N  <br> <br>    | BH04XH<br> <br>      | X20201  | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 235<br>  235<br>  3                 | EA]         |            | <br> <br>  C<br>  C | I           |              | 1                         | C-BH<br> 3SWF4       | 11.8<br>23.5       |             |
| -N               | REM-4 '              | i i   | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | 235<br>  80                         |             |            | <br> <br>  C        |             | <br>  C<br>  | 1                         | IC-DT                | 28.21              | -           |
| -N               | SLR-24<br>           | i i   | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | [ 705<br>[ 53                       |             | -          | <br> <br>  C        |             |              |                           | 3-WF3 <br>           |                    |             |
|                  | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | CONDUIT DB 3 IN 20 FT LENGTH   | 235<br>  5<br>  235<br>  40<br>  40 | CY ]        |            |                     | [<br>[<br>] |              | <br> 3376.1<br> <br> <br> | 3-WF3 <br> <br> <br> | 3.3 <br> <br> <br> |             |
| -N <br> <br>     | 1-3SLB<br>           | 322048  | 1-3 IN DS 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                                     |             |            | <br>  C<br>  C      | i i         | <br>  C<br>  | <br> 3373.2<br> <br>      | <br> 3-WF3 <br> <br> | 0.11               |             |
| -N               | LN-S/U               |   | TC-LANE CLOSURE URBAN STREET   | 1                                   | <br> EA[    | с          |                     | [<br>  S    | <br>  C      | 1                         | TC3                  | 1.0                |             |
| -N!              | lLN/S/S              |   | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                                   | <br> EA     | С          |                     | S           | <br>  C      | 1                         | TC4                  | 1.0                |             |
| -N1              | <br>  PLANTU         |   | REMOVE/REPLACE LANDSCAPING   | 10                                  | [  <br>[FT] | с          | <br>                | s           | <br>  C      | 1                         | <br> 3-WF3           | 1.0                |             |

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## CONSTRUCTION NOTES

SEE SHT 10

Block 7G2 UUP Attachment E – Technical Specifications

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| 9/05/17 13        |                 |                                      | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB          | 1                    |                |             |                    |            | STATUS: AC       | T WO                | RK ORDE               | R: 2960700     |
|-------------------|-----------------|--------------------------------------|--|-------------------|----------------------|----------------|-------------|--------------------|------------|------------------|---------------------|-----------------------|----------------|
|                   |                 |                                      |  |                   |                      |                |             |                    |            |                  |                     |                       |                |
|                   |                 |                                      | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                      |                |             |                    | PHO        | NE: 999-99       | 999 1               | LOCATIO               | N 492 OF 58    |
|                   |                 |                                      | DESCRIPTION/CONSTRUCTION NOTES   |                   | 1                    | I WD K         | IMAT        | TTMI               | 200        | LOTANDARD        | LCREW               | EST L                 |                |
| I-N               | 3'HD-A          | 1 1                                  | HAND DIG TRENCH 3 FT DEEP AVE  | 17                | FT                   | 1 C            | [           |                    | C          | G7453            | 3-WF3               | 6.6                   |                |
| 1<br>1-N <br>     | <br> BKF-3'<br> | i i                                  | BACKFILL TRENCH 3 FOOT DEEP  | 17                | FT                   | C              | 1           | 151                | С          | <br> <br>        | 3-WF3<br> C-BC      | 0.3 <br>  0.3         |                |
| I-N <br>I         | 1               |                                      | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 17<br>  1         | FT<br>  TN<br>       | C<br> <br>     | <br>  C<br> | S  <br>       <br> | ¢          | [G7405<br>]<br>] | IC-BH               | 0.11<br>0.11<br>0.11  |                |
| I-N <br>          |                 | <br> 249664                          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 17                |                      | i C<br>I       | <br>  C     | IS                 | С          | 3373.1           | <br> 3-WF3<br> <br> | 0.3 <br>              |                |
| I-N <br>          | IR-XCES         | X30007[                              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 17<br>I 2       |                      | 0  <br> <br>   | i<br>i c    | S                  | С          | 1                | C-DT                | 0.41                  |                |
| I-NI              | <br>  PLANTU    | i İ                                  | REMOVE/REPLACE LANDSCAPING   | i 13              | FT                   | C<br>  C       | i           | S  <br>  S         | ¢          | i                | 13-WF3              | 1.3                   |                |
| 1<br>I-N          | CC-2CT          | i I                                  | CONCRETE 2 SAW CUT AND BREAK MECH  | 4                 |                      | i c            | 1           | S                  | c          | i                | SR3AS               | 0.2                   |                |
| 1–N               | <br> CF-H12     | 1 1                                  | FINISH CONCRETE SURFACE MAN 12 IN  | 1 4               | FT                   | i c            | i –         |                    | С          | i                | SR3CS               | i i                   | <u></u>        |
| I-N               | AS-2CT          | i i                                  | ASPHALT 2 SAW CUT AND BREAK MECH   | 24                | FT                   | ίC             | i –         | S                  | C          | 1                | SR3AS               | 1 0.6                 | <u></u>        |
| I-N <br>]         | i               | <br> 114201                          | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 24                | I FT                 | i c            | i<br>I C    | S                  | Ç          | Ì                | )C-BC<br> SR4AL     | 0.6                   |                |
| <br>              | BH03XH<br>I     | X20201 <br> 114215                   | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 34<br>  26<br>  1 | FT<br>  EA<br>  TN   | 1 C<br>. <br>' | с<br>с      | S                  | C<br> <br> | G7453<br> <br>   |                     | 1.4<br>  1.4<br>  2.7 |                |
| I-NI              | REM-3'          | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 34              | <br> FT<br> CY       | C C            | c           | I S                | C<br> <br> | 1<br>1           | C-DT                | 3.0<br>               |                |
| I-N               | SLR-18          |                                      | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 68                |                      | і с<br>1       | I C         |                    | i c<br>I   | G7409<br>        | 3-ŴF3               |                       |                |
| IN <br> <br> <br> | 1<br> <br>      | 248201<br>249664<br>663528<br>663530 | SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER   |                   | •                    |                | <br>  c     | S<br> <br> <br>    | I C        | [3376.1<br>      | 3-wf3<br> <br> <br> |                       | <br> <br> <br> |
| I-N <br> <br>     | 1-3SL8          | <br> 321878 <br> 656400              | 1-3 IN DB 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1<br>  1          | LIEA<br>LIEA<br>LICY |                | 1 C<br>  C  | i<br>I             | 1          |                  |                     | l<br>E                |                |
| [<br>I-N          | <br> LN-S/D     | <br>1                                | TC-LANE CLOSURE URBAN STREET   |                   | <br>L EA             |                |             | <br>  S            |            | 1                |                     |                       | <br>           |

|               |                  |                 | REV:0 TYPE: UD NA                          |                     | T&C JOB        |               |     |                    |             |             |                  |                 |     | R: 2960700   |
|---------------|------------------|-----------------|--|---------------------|----------------|---------------|-----|--------------------|-------------|-------------|------------------|-----------------|-----|--------------|
| SIGN: 01      | NAME             | ROLANE          | 0 BLK 7G2 T&C JOB 1                        | STATUS:             |                |               |     |                    |             |             |                  |                 |     |              |
| CATION: 4     | 92 SHE           | ET: 02          | DISTRICT: ÇM DESIGNEI                      | D BY: GEORGE BONNER |                |               |     |                    |             |             |                  |                 |     | N 492 OF 587 |
|               | <br> AU ID       | (  <br>( stock# | DESCRIPTION/CON:                           | STRUCTION NOTES     | QTY<br>  RQD   | ]  ]<br>]UM[] | RSP | MAT   '<br>RSP   ' | TIM <br>TRT | ACC <br>TRT | STANDARD<br>PAGE | CREW            | EST |              |
|               | <br> LN/S/S      | [  <br>[        | LANE CLOSURE URBAN ST                      |                     | 1              | <br> EA       | c   | İ                  | ;<br>1      | c           |                  | +<br> <br>  TC4 |     |              |
| -N <br>1      | ]<br> XING-U<br> | í í             | TC-TRAFFIC CONDITIONS<br>ASPHALT, COLD MIX | STREET CROSSINGS    | <br>  1<br>  1 | FT            | CΙ  |                    | <b>S</b>    | CΙ          |                  | TC4             | 0.1 |              |
| -N]           | •                |                 | TRAFFIC COND. (XING L                      | ANE) STREET REPAIR  | 1              | <br> FT       |     |                    |             | сi          |                  | TC4             | 0.1 |              |
| - <u>N</u> ]  | )<br>PLANTU<br>] | i i             | REMOVE/REPLACE LANDSC                      | APING               | 10             |               | сi  | i.                 | s j         | ci          |                  | 3-WF3           | 1.0 |              |
|               | SAW-CC           | l I             | SAW CUT CONCRETE                           |                     | 1 10           | FT            | C   |                    | S           | CI          |                  | SR-3C           | 1.5 |              |
| -N            | CC-MTK           |                 | CONCRETE SIDEWALK SEC                      |                     | 1              | EA            | С   | 1                  | S           | CΙ          |                  | SR3CS           | 1.0 |              |
| ORK FAC       |                  |                 | CONCRETE - 6 SACK (:<br>EXIST TAG NEW TAG  |                     | 1<br>E SHT 1   | c             |     | RUCT               |             |             |                  |                 | 1   |              |
| I<br>JORK FAG |                  |                 |  |                     |                | c             |     |                    |             |             |                  |                 |     |              |
| ORK FAC       |                  |                 |  |                     |                | c             |     |                    |             |             |                  |                 |     |              |
| ORK FAC       |                  |                 |  |                     |                | c             |     |                    |             |             |                  |                 |     |              |

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Block 7G2 UUP Attachment E – Technical Specifications

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| DP001EM2-LO<br>09/05/17 11 | :36                  |                                      | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | PY - DE                       | TAI I                   |              |                 |                  |         |                    |                         |                           |               |
|----------------------------|----------------------|--------------------------------------|--|-------------------------------|-------------------------|--------------|-----------------|------------------|---------|--------------------|-------------------------|---------------------------|---------------|
|                            |                      |                                      | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | FOC JOR                       | 1                       |              |                 |                  |         | STATUS: AC         | T WOE                   | K ORDER                   | : 2960700     |
| DESIGN: 01                 | NAME :               | ROLAND                               | O BLK 7G2 T&C JOB 1 STATUS:  | ACT                           |                         |              |                 |                  |         |                    |                         |                           |               |
|                            |                      |                                      | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                               |                         |              |                 |                  | PHO     | NE: 999-99         | 99 1                    | LOCATION                  | 493 OF 587    |
| WRK <br> F-C MU ID         | <br> AU ID           | STOCK#                               | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD                  | <br> UM <br>+           | RSP          | RSP             | TRT              | TRT     | STANDARD<br>  PAGE | TYPE                    | HOURS                     | <b></b>       |
| IN                         | 13'HD-A              |                                      | UNNO DIG TOFNCH 3 FT DEEP AVE  | 1 15                          | I FT I                  | С            |                 | SI               | С       | G7453<br>          | 3-WF3                   | 5.9                       |               |
| I-N                        | 1                    |                                      | BACKFILL TRENCH 3 FOOT DEEP  | i 15                          | FT <br>                 | с            |                 |                  | С       | [                  | 3-WF3                   | 0.21                      |               |
|                            | SHD-12               | 6114921                              | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 15<br>  1<br>                 | FT<br>  TN              |              | c<br>           | [ S  <br>   <br> | с       | G7405<br> .<br>    | 3-WF3<br> C-BH<br> C-DT | _<br>   <br>  [_          |               |
| I-N                        | i                    | 249664                               | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | i 15<br>I 15                  | FT                      | C            | i<br>I C        |                  | С       | 3373.1<br>         | 3-WF3                   | 0.21                      | <u> </u>      |
|                            | [                    | x30007                               | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 15<br>  2                     | FT                      | i C<br>I     | i<br>I C        | I S I            | С       | <br>               | C-DT                    | i 0.4i<br>I I_            |               |
| I-N                        | PLANTU               |                                      | REMOVE/REPLACE LANDSCAPING   | i 11                          | FT                      | i c<br>I     | i               | S  <br>          | С       |                    |                         | i 1.11_                   |               |
|                            |                      | i i                                  | CONCRETE 2 SAW CUT AND BREAK MECH  | I 4                           | FT                      | [ C          | i               | 5                | С       | Í                  | SR3AS                   | 0.2                       |               |
| I-N                        |                      | i 1                                  | FINISH CONCRETE SURFACE MAN 12 IN  | 1 4                           |                         | I C          | i               | l S I            | Ç       | i                  | SR3CS                   | i i_                      |               |
| <br> I-N <br>              | Ì                    | <br> x20201                          | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  |                               | FT<br>  EA<br>  TN      | i c<br> <br> | 1<br>1 C<br>1 C | S  <br>          | C       | G7453<br> <br>     | C-BC<br>C-BH<br>3SWF4   | 0.2 <br>  0.2 <br>  0.5 _ | <u> </u>      |
| I-N                        | 1                    | X30007                               | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 6<br>1 2                    | FT                      |              | Ì               | S<br>  S         | i c     | 1                  | <br> C-DT<br> <br>      | j 0.5i_                   | <u></u>       |
| I-N]                       | SLR-18               | 656400                               | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 18<br>  2                     | I FT                    | i c          | I C             | 1                | i c     | G7409              | 3-WF3                   | I I <u>.</u>              |               |
|                            | 1EB3IN<br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 6<br>  1<br>  6<br>  2<br>  2 | FT<br> CY<br> FT<br> EA |              | C C C C         | \$<br> <br> <br> | I C     | 3376.1<br>         |                         | i 0.1 _                   |               |
| 1<br> I-N                  | SAW-CC               |                                      | SAW CUT CONCRETE   | i 10                          | FT                      | i c          | 1               | S                | C       | <br>  ,            | SR-3C                   |                           |               |
| I-N                        | 1                    | 248205                               | CONCRETE - 6 SACK (3/4" ROCK MIX)  | i 1                           | ICY                     | i C          | i<br>c          | S<br> <br>       | іс<br>1 | [                  |                         | i 1.01_                   |               |
| I-N                        | LN-S/U               |                                      | TC-LANE CLOSURE URBAN STREET   | 1                             | EA                      | I C          | l               | S<br>  S         | I C     | 1                  | TC3                     |                           | <del></del> . |
| -N                         | <br> ln/s/s          | 1                                    | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  |                               | EA                      | i c          | ו<br> <br>      | ¦ s              | c       |                    |                         |                           |               |

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| DP001EM2-LOCA                         |             |            |         |          |          | ) GAS AND ELECTRIC<br>N REVIEW COPY - DET | AIL          |                 | PAGE NO          |         |
|---------------------------------------|-------------|------------|---------|----------|----------|---|--------------|-----------------|------------------|---------|
| PROJECT: 2535                         | 568 JOB:01  | REV:0      | TYPE    | UD NAME: | ROLANDO  | BLK 7G2 -T&C JOB                          | 1            |                 | WORK ORDER: 2960 | 700     |
| DESIGN: 01                            | NAME: ROLAN | DO BLK 7G2 | T&C J   | DB 1     |          | STATUS: ACT                               |              |                 |                  |         |
| LOCATION: 493                         |             |            |         |          | : GEORGE |   |              | PHONE: 999-9999 | LOCATION 493 0   |         |
| WORK FAC<br>FUNC CODE                 |             |            |         | NEW TAC  |          |   | CONSTRUCTION |                 |                  | <b></b> |
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| 001EM2-LOC          | 36      | )1            |                            |          | SAI<br>DPSS - |         | ) GAS AN<br>REVIEW |              | - DE:      | TAIL           |          |         |              |          |                  |            | Pi     | AGE NO 570   |
|---------------------|---------|---------------|----------------------------|----------|---------------|---------|--------------------|--------------|------------|----------------|----------|---------|--------------|----------|------------------|------------|--------|--------------|
| OJECT: 253          | 568 3   | JOB:01        | REV:0 TYP                  | E: UD    | NAME: J       | ROLANDO | BLK 70             | 2 -Та        | C JOB      | 1              |          |         |              |          |                  |            |        | R: 2960700   |
| sign: 01            | NAME    | ROLAND        | O BLK 7G2 T&C              | JOB 1    |               |         |                    | 'US: A       |            |                |          |         |              | <b>-</b> |                  |            |        |              |
| CATION: 49          | 4 SHE   | CT: 01        | DISTRICT: CM               | DESIG    | GNED BY:      | GEORGE  | BONNEF             | L            |            |                |          |         |              | PHON     | NE: 999-99       |            |        | N 494 OF 587 |
|                     |         | <br>  Śтоск#1 | DESCRI                     | PTION/   | CONSTRUC      | TION NO | TES                |              | QTY<br>ROD | UM {           | RSP      | RSP]    | TRT          | TRT      | STANDARD<br>PAGE | TYPÉ       | HOURS  |              |
| -N                  | 330926  | <br> 162690[  | HAND HOLE 33<br>QUAZITE BO | 309.2 3  | 7"X 26" 2     | x 26"   |                    | <br> <br>    | 1          | EA <br> EA[    | C  <br>  | c       | \$ I<br>1    | CI       | [3309.2<br>      | 35WF3<br>[ | [ 0.8] |              |
| -N                  | X09H26  | 1626901       | INSTALL EXCA<br>QUAZITE BO |          |               |         |                    | .  <br>      | 1<br>1     | EA  <br>  EA [ | C [      | [       | S  <br>      | С        | 3309.2           | J3SWF3     |        | <u>-</u>     |
| -N                  |         | <br> 322048   | 1-3 IN DB 90<br>BEND CONDU | JIT DE 3 | 3 IN 90       |         |                    |              | 4<br>4     | EA             | ci       | <br>C   | ទា           | С        | 3373.2<br>       | 3-WF3      |        |              |
| l l                 |         | i I           | SLURRY MIX                 |          |               |         |                    | <br>1<br>    |            | 1              | ا<br>ا ¢ | 1       | 1            |          | 1                | 1          | 0.1    | _            |
| ORK FAC<br>UNC CODE |         |               | EXIST TAG                  |          |               |         |                    | SEE          | SHT 1      |                | ONSI     | RUCI    | NOI          | NOTI     | ES               |            |        |              |
|                     |         |               |                            |          |               |         |                    |              |            |                |          |         |              |          |                  |            | ~~~~~  |              |
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|                     |         |               |                            |          |               |         |                    |              |            |                |          |         |              |          |                  |            |        |              |
|                     |         |               |                            |          |               |         |                    | . <u>.</u> . |            |                |          |         |              |          | <u> </u>         |            |        |              |
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|                   |                         |   | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   |                                 |  |     |        |                        |       |                      |                              |                          |              |
|-------------------|-------------------------|---|--|---------------------------------|--|-----|--------|------------------------|-------|----------------------|------------------------------|--------------------------|--------------|
|                   |                         |   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   |                                 |  |     |        |                        | ؛<br> | STATUS: A            | CT WO                        | RK ORDE                  | R: 2960700   |
| ESIGN: 01         |                         |   | 0 BLK 7G2 T&C JOB 1 STATUS:  | ACT                             |  |     |        |                        |       |                      |                              |                          | ▪            |
|                   |                         |   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                 |  |     |        |                        | PHO   | NE: 999-9            | 999                          | LOCATIO                  | N 495 OF 587 |
| WRK <br>F-C[MU ID | AU ID                   | STOCK#  | DESCRIPTION/CONSTRUCTION NOTES   | RQD                             | UM   | RSP | RSP    | TRT                    | TRT   | STANDARD<br>  PAGE   | TYPE                         | [HOURS                   |              |
| I-N I             | 3'HD <del>-</del> A<br> |   | HAND DIG TRENCH 3 FT DEEP AVE  | ] 30                            | FT   | С   |        | SI                     | С     | G7453                | 3-WE3                        | [ 11.3]                  |              |
| I-N               |                         | i i   | BACKFILL TRENCH 3 FOOT DEEP  | 30<br>                          | TT  <br>                                   | C   |        | S                      | С     |                      | 3-WF3<br> C-BC               | 0.5 <br>  0.5            |              |
| ±−N <br> <br>     |                         | 611492 <br>                                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 1 2                             | FT  <br>  TN  <br>          ]              | С   | с      |                        | Ç     | G7405<br> <br>       | C-BH<br>C-DT                 | 0.1 <br>  0.1]<br>  0.1] |              |
| E-N <br>          | 1                       |   | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 PT LENGTH  | 1 30<br>1 30                    | FT  <br>  FT ]                             |     | с      |                        | С     | (3373.1<br>(         | 1                            | 0.51                     |              |
| I-N               | R-XCES                  | i i   | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 30<br>  3                       | FT <br> CY]                                | с   | с      | 5  <br> <br>           | С     | [                    | C-DT                         | 1 1                      |              |
| I — N             | <br>  PLANTU<br>        | i I   | REMOVE/REPLACE LANDSCAPING   | 1 30                            | FT [                                       | C   |        | SI                     | С     | ſ                    | <br> 3-WF3                   | 3.01                     |              |
| I-N               | BH03XH<br>              | i<br>]X20201                                    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 8<br>  6<br>  1                 | FT [<br>  EA  <br>  TN                     | с   | с<br>с | 1<br>1                 | С     | G7453<br> <br>       | <br> C-BC<br> C-BH<br> 3SWF4 | 0.3 <br>  0.3 <br>  0.6  |              |
| I-N <br>          | REM-3'<br>              | 1 L   | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | [ 8<br>[ 2                      | CY   | С   | ¢      |                        | С     | [<br>]               | IC-DT                        | 0.71                     |              |
| I-N               | SLR-18                  | 1   | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | [ 24<br>  2                     | FT]<br> CY                                 | C   | с      | SI                     | С     |                      | <br> 3-wf3<br>               |                          |              |
| I-N <br> <br>     | 1EB3IN<br> <br> <br>    | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 36<br>  1<br>  36<br>  7<br>  7 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | С   | 0000   | S  <br> <br> <br> <br> | С     | 3376.1<br> <br> <br> | 3-WF3<br> <br> <br>          | i 0.5 <br>   <br>   <br> |              |
| Î                 | 1-3SLB<br>              | 3220481   | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 1 2<br>1 2                      |  | C   | с      |                        | С     | 3373.2               |                              | i 0.1                    |              |
| I-N               | SAW-CC                  | 1 I   | SAW CUT CONCRETE   | 1 10                            |  | CI  |        | [<br>S                 | С     | i                    |                              | 1.5                      |              |
| L-N <br>          |                         | <br> 248205                                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | 1<br>  1                        | EA I                                       |     | С      |                        |       |                      | 1                            | i 1.0i                   |              |
|                   | LN-S/U                  |   | TC-LANE CLOSURE URBAN STREET   | 1                               | ] EA [                                     | CI  |        | <br>S                  | c     | ĺ                    | <br>  TC3                    | 1.0                      |              |
|                   | ]<br>]LN/S/S            |   | LANE CLOSURE URBAN ST (STREET REPAIR)  |                                 |  |     |        | s I                    |       |                      | TC4                          |                          |              |

| DP001EM2-LOCAL<br>09/05/17 11:36 |              |              |          |              |         |              |  | ELECTRIC<br>COPY - DETA | ΥĽ         |                 | PAG         | E NO 572   |
|----------------------------------|--------------|--------------|----------|--------------|---------|--------------|--|-------------------------|------------|-----------------|-------------|------------|
| PROJECT: 25356                   | 8 .TOB .01   | REV:0        | TYPE     | UD           | NAME :  | ROLANDO      | BLK 7G2                                      | -T&C JOB                |            | STATUS: ACT     | WORK ORDER: | 2960700    |
| DESIGN: 01                       | NAME - BOLAN | 10 BLK 7G2   | T&C JC   | )B 1         |         |              | STATU  | 5: ACT                  |            |                 |             |            |
| LOCATION: 495                    |              |              |          | DESIGN       | NED BY: | GEORGE       | BONNER                                       |                         |            | PHONE: 999-9999 |             | 495 OF 587 |
| WORK FAC                         | DESC         | EXIST        | TAG      | NEW 1        | <br>TAG |              | *=   |                         | CONSTRUCT  |                 |             |            |
|                                  |              |              |          |              |         | -            |  | SEE SHT 10              |            |                 |             |            |
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| OJECT:            | 253568          |                         | REV:0 TYPE: UD NAME:   |                              | -T≨C JOB            | 1                                |            |              |              |      |                  |                                  |                      | R: 2960700   |
|-------------------|-----------------|-------------------------|--|------------------------------|---------------------|----------------------------------|------------|--------------|--------------|------|------------------|----------------------------------|----------------------|--------------|
| SIGN: (           |                 |                         | 0 BLK 7G2 T&C JOB 1  | STATUS:                      |                     |                                  |            |              |              |      |                  |                                  |                      |              |
| CATION            | : 496 SHE       | ET: 01                  | DISTRICT: CM DESIGNED BY   | : GEORGE BONNER              |                     |                                  |            |              |              | PHO  | NE: 999-99       | 99 I                             | OCATIO               | N 496 OF 587 |
| -CIMU             | ID IAU ID       | STOCK#[                 | DESCRIPTION/CONSTRU  | JCTION NOTES                 | QTY<br>  RQD        | <br>  UM [                       | WRK<br>RSP | RSP          | TRT          | TRT  | STANDARD<br>PAGE | TYPE                             | HOURS                |              |
| -N                | AS-2CT          | 1                       | ASPHALT 2 SAW CUT AND BR   | еак месн                     |                     |                                  |            | [ [          | S            | С    |                  | SR3AS                            | 4.81                 |              |
| -N <br> <br> <br> | AS-M18<br> <br> | <br> X20022 <br> 114201 | ASPHALT BASE & TOP MECH<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP) |                              | 183<br>  17<br>  4  | FT  <br>  SF  <br>  TN  <br>  TN | С          | i i<br>i c i | S  <br> <br> | С    |                  | C-BC  <br> SR-3A  <br>           | 12.3<br>12.3         |              |
| -N  <br> <br>1    | BHU3XH          | [ X20201]               | MACH DIG TRENCH 3 FT DEE<br>TRAFFIC BEARING STEEL P                                  | EP BACKHOE<br>Plate          | 183<br>  138<br>  2 | FT  <br>  EA  <br>  TN           | С          | 1 1          | S  <br>      | С    | G7453            | <br> C-BC  <br> C-BH  <br> 3SWF4 | 7.3 <br>7.3 <br>14.6 |              |
| [-N]<br>]         | REM-3'<br>      | [ ]                     | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   |                              | 183<br>  46         | FT [<br>  CY [                   | С          | <br>  C      | S            | С    |                  | IC-DT                            | 16.1                 |              |
| 1-N1<br>1         | SLR-18          | <br> 656400             | BACKFILL SLURRY 18 IN WID<br>SLURRY MIX, 1 SACK SAND                                 |                              | 366<br>  21         | FT <br> CY                       | С          | <br>  C      | S  <br>      | С    | G7409            | 1                                | 0.71                 |              |
| I-N               | 1EB3SL          | 2496641                 | 1-3 IN EB CONDUIT SLURRY<br>CONDUIT DB 3 IN 20 FT L<br>SLURRY MIX, 1 SACK SAND       | ENGTH                        | 180<br>  180<br>  4 | FT  <br>  FT  <br>  CY           | С          | C  <br>  C   | S  <br> <br> | C    | 3376.1           |                                  | 2.5                  |              |
| I–N  <br>[<br>[   | 1-3SLB<br> <br> | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BE<br>BEND CONDUIT DB 3 IN 90<br>SLUBRY MIX 1 SACK SAND       | ND SLURRY ENC<br>) D 36 IN R |                     | [EA <br> EA <br>[CY              | с          | C  <br>  C   | S I          | C    | 3373.2           | i I<br>I I                       | 0.1                  |              |
|                   | LN-S/U          |                         | TC-LANE CLOSURE URBAN STR  | EEŢ                          | 1                   | EA                               | С          |              | SI           | сı   |                  |                                  | 1.0                  |              |
| <br> -N           | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (ST  | REET REPAIR)                 |                     |                                  |            |              |              |      |                  | <br> TC4                         |                      |              |
|                   | FAC<br>DDE DESC |                         | EXIST TAG NEW TAG  |                              |                     | с                                | CONSI      | IRUCI        | NOI          | NOTE |                  |                                  |                      |              |
|                   |                 |                         |  | SE                           | EE SHT 10           | )                                |            |              |              |      | <b></b>          |                                  |                      |              |
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Block 7G2 UUP Attachment E – Technical Specifications

| 9/05/17                 |                           |                                      | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  | OPY - DE                          |                         |             | <b></b> -      |                      |                 |                  |                         |            |             |
|-------------------------|---------------------------|--------------------------------------|--|-----------------------------------|-------------------------|-------------|----------------|----------------------|-----------------|------------------|-------------------------|------------|-------------|
| ROJECT:                 | 253568                    | JOB:01                               | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                          | 1                       |             |                |                      |                 | STATUS: AC       | T WOF                   | K ORDEI    | R: 2960700  |
| ESIGN: 0                | 1 NAME                    | : ROLAND                             | O BLK 7G2 T&C JOB 1 STATUS   | : ACT                             |                         |             |                |                      |                 |                  |                         |            |             |
| OCATION:                | 497 SHE                   | ET: 01                               | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                   |                         |             |                |                      | PHOI            | NE: 999-99       | 99 1                    | LOCATIO    | N 497 OF 58 |
| WRK <br>F-C MU I        | D AU ID                   | STOCK#                               | DESCRIPTION/CONSTRUCTION NOTES   | I RQD                             | UM                      | RSP         | RSP            | TRT                  | TRT             | STANDARD         | (TYPE )                 | HOURS      |             |
| I-Ni                    | 3'HD-A                    |                                      | HAND DIG TRENCH 3 FT DEEP AVE  | 1 23                              | FT                      | CI          |                | s                    | C               | G7453            | 13-WF3                  | 8.8        |             |
| I-N1<br>1               | BKF-3'                    |                                      | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | 23                                | [FT]                    | ci          |                |                      |                 | 1                | 3-WF3<br>  C-BC         |            |             |
| I–N <br>[<br>           | 1                         | 611492 <br>                          | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | 1 2                               | TN                      |             | с              | S                    | C<br> <br>      | G7405<br> <br>   | 3-WF3                   | 0.11       |             |
| I-N <br>                | i                         | <br> 249664                          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 23<br>  23                        | FT<br>  FT              | C           | <br>  C        | S                    | C<br>           | 3373.1<br>       |                         | 0.3 <br>   |             |
| I-N <br>                | R-XCES                    | X30007                               | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | [ 23                              | FT<br>  CY              | С           | <br>  C        |                      | [ C<br>[        | l                | C-DT                    | 0.61       |             |
| 1-N                     | PLANTU                    |                                      | REMOVE/REPLACE LANDSCAPING   | i 23                              | FT.                     |             | i              | S                    | ) C             | 1                |                         | 2.3        |             |
| 1-NI<br> <br>           | 1                         | <br> X20201                          | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 8<br>  6<br>  1                   | FT<br>  EA<br>  TN      | с           | <br>  C<br>  C | ( S                  | ic<br>I<br>I    | G7453<br> <br>   | C-BC<br> C-BH<br> 3SWF4 | 0.3        |             |
| I-N <br>                | <br> REM-31<br>           | <br> X30007                          | ASPHALT, COLD MIX<br>TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | I 8                               | FT                      |             | <br>  c        | S<br>                | C<br>           | E                | <br> Ç-DT<br> <br>!     | 0.7        |             |
| I-N <br>!               | SLR-18<br>                | <br> 656400                          | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 24<br>  2                         |                         | i c         | i              | I S                  | i c             | G7409            | 3-WF3                   | i i        |             |
| ]<br>I-N <br> <br> <br> | 1EB3IN<br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 81<br>  2<br>  81<br>  14<br>  14 | FT<br> CY<br> FT<br> EA |             | υυυυ           | S<br> <br> <br> <br> | C<br> <br> <br> | (3376.1<br> <br> |                         | I 1        |             |
| I-N <br>                | 1-3SLB                    | 322048<br> 656400                    | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   | 2<br>  2<br>  1                   | EA<br> EA<br> CY        | C<br> <br>  | C<br>  C       | S<br>                | C<br> <br>      | 3373.2<br> <br>  |                         |            |             |
| I-N                     | ISAW-CC                   |                                      | SAW CUT CONCRETE   | i 10                              | ,                       | <br>  C<br> | i              | S                    | i c             | i                | SR-3C                   | [ 1.5]     |             |
| 1-N <br>i               | 1                         | (<br>248205                          | CONCRETE SIDEWALK SECTION (5x5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | i 1<br>1 1                        | EA<br> CY               | i c<br>I    | i<br>i c       | i s<br>l             | i c<br>         | 1                | [ SR3CS<br>]            | 1 1.0 <br> |             |
| I-N                     | LN-S/U                    |                                      | TC-LANE CLOSURE URBAN STREET   | 1                                 | EA                      | C<br>  C    | !<br>1         | IS                   | c               | Ì                | TC3                     | 1.0        |             |
| I-N                     | i<br>  LN/S/S             | 4<br>5]                              | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  |                                   | •                       | c I         |                | ,<br>  S             | Ċ               |                  | TC4                     | 1.0        | ·           |

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| DP001EM2<br>09/05/17 | 11:36 |             |             |       |       | DPSS -   | - DESIGN | GAS AND E<br>REVIEW CO | PY - DETAI |              |       |          |            | GE NO 575 |
|----------------------|-------|-------------|-------------|-------|-------|----------|----------|------------------------|------------|--------------|-------|----------|------------|-----------|
|                      | 25356 | 58 JOB:01   | REV:0       | TYPE  | : UD  | NAME:    | ROLANDO  | BLK 7G2 -              | T&C JOB 1  |              | STA   | TUS: ACT | WORK ORDER | 2960700   |
| DESIGN:              | 01    | NAME: ROLAN | NDO BLK 7G2 | T&C J | юв 1  |          |          | STATUS:                | ACT        |              |       |          |            |           |
|                      |       | SHEET: 02   |             | СM    | DESIG | NED BY:  | GEORGE   | BONNER                 |            |              |       |          | LOCATION   |           |
| WORK I<br>FUNC CO    |       | DESC        | EXIST       |       | NEW   |          |          |                        |            | CONSTRUCTION | NOTES |          |            |           |
| ,                    |       |             |             |       |       |          |          |                        | E SHT 10   |              |       |          |            |           |
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Block 7G2 UUP Attachment E – Technical Specifications

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| 9/05/17             |                           |  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  | OPY - DE     | TAI  | L                |                 |                  | ·               |                            |                         |                      |               |
|---------------------|---------------------------|--|--|--------------|--|------------------|-----------------|------------------|-----------------|----------------------------|-------------------------|----------------------|---------------|
| ROJECT:             | 253568                    | JOB:01                                       | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |              | 1  |                  |                 |                  | <u>!</u>        | STATUS: AC                 | T WOI                   | RK ORDE              | R: 2960700    |
| ESIGN: 0            | 1 NAME                    | : RÓLAND                                     | O BLK 7G2 T&C JOB 1 STATUS   | : ACT        |  |                  |                 |                  |                 |                            |                         |                      | e             |
| OCATION:            | 498 SHE                   | ET: 01                                       | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |              |  |                  |                 |                  | PHO             | NE: 999-99                 | 99 1                    | LOCATIO              | N 498 OF 58   |
| WRKI<br>F-CIMU I    | D AU ID                   | <br> STOCK#                                  | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD | UM   | RSP              | RSP             | TRT              | TRT             | STANDARD<br>  PAGE         | TYPE                    | HOURS                |               |
| I-N                 | 3'HD-A                    | 1 1  | HAND DIG TRENCH 3 FT DEEP AVE  | 1 15         | FT   | i C              |                 | S                | С               | G7453                      | 13-WF3                  | 5.9                  |               |
| 1                   | 1                         | 1<br>  | HAND DIG TRENCH 3 FT DEEP AVE<br>BACKFILL TRENCH 3 FOOT DEEP   | 15<br>       | FT   |                  | 1               |                  |                 | 1                          | 3-WF3<br>  C-BC         | 0,21                 |               |
| <br> <br> <br>      | 1                         |  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED  | j 1          | FT<br>  TN                                     | i c<br>I         | <br>  C         | IS I             | С               | G7405                      |                         | 1  <br>              |               |
| I-N <br>            | i                         | 249664                                       | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 15           | FI   | C<br>            | <br>  C         | 5                | Ċ               | 3373.1<br>                 | 3-WF3                   | 0.2 <br>             |               |
| I-NI<br>I           | R-XCES                    | IX300071                                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 15<br>  2    | I FI   | C C              | 1               |                  | C               | 1                          | C-DT                    | 0.4                  |               |
| 1<br>1-N1           | PLANTU                    |  | REMOVE/REPLACE LANDSCAPING   |              |  |                  |                 | S                |                 | i                          | 3-WF3                   | 1.5                  |               |
| 1-N <br> <br>       | 1                         | <br> X20201 <br> 114215                      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  |              | 8   F1<br>5   EA<br>  TN                       | i c<br>I<br>I    | 1<br>  C<br>  C | S  <br>     <br> |                 | G7453<br> <br>             | C-BC<br> C-BH<br> 3SWF4 | 0.31<br>0.31<br>0.61 |               |
| I-N <br>            |                           | X30007                                       | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | ) 8<br>  2   | <br>8   FI<br>2   CY                           | i c<br>1         | i<br>i c        | <br>  S  <br>    | i c             | 1                          | IC-DT                   | 0.7                  |               |
| 1<br>1-N <br>       | ISLR-18                   |  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 24           | l FI<br>2 Ci                                   | νi c             | с               | 5                | i c             | G7409                      |                         | I                    |               |
| I-N[<br> <br> <br>  | 1EB3IN<br> <br> <br> <br> | [248201]<br>[249664]<br>[663528]<br>[663530] | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER |              | 5   F1<br>2   CY<br>5   F2<br>8   EF<br>8   EF |                  | 0000            | S                | C<br> <br> <br> | (3376.1<br> <br> <br> <br> | 3-wr3<br>               | i 1.1                |               |
| I-N <br>[           | 1-3SLE                    | 322048                                       | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND   |              | 2   E7<br>2   E7<br>1   CY                     | 7 <br>7 <br>7  C | C<br>  C        | S<br>            | C               | 3373.2                     | 3-WF3                   |                      |               |
| I-N                 | SAW-CC                    | 1 I  | SAW CUT CONCRETE   | 1 1          | )   F1   |                  | ĺ.              |                  | C               | 1                          |                         | 1.5                  | - <del></del> |
| 1-N                 | i i                       | ()<br> 248205                                | CONCRETE - 6 SACK (3/4" ROCK MIX)  | i            | L   EF   | <u>r</u> i       | i               | 5<br>            | i c             | i                          | SR3CS                   | 1.0                  |               |
| I-N                 | LN-S/U                    |  | TC-LANE CLOSURE URBAN STREET   |              | 1)E2   | A C              | i i             |                  |                 |                            | TC3                     |                      |               |
| [<br>  <b>I - N</b> | 1<br>  LN/S/S             | 1<br>5 [                                     | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1            | 1   E7   | ri c             | 1               | S                | i c             | 1                          | TC4                     |                      |               |

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|         | M2-LOCAI |             |            |        |             | AN DIEGO GAS AND ELECT<br>- DESIGN REVIEW COPY - |             |                 | PAGE NO 577                            |  |
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|         | T: 25350 | 58 JOB:01   | REV:0      | TYPE:  |             | ROLANDO BLK 7G2 -T&C                             | JOB 1       | STATUS: ACT     | WORK ORDER: 2960700                    |  |
|         |          | NAME: ROLAN | DO BLK 7G2 | T&C JO | 31          | STATUS: ACT                                      |             |                 |  |  |
| LOCATI  | ON: 498  | SHEET: 02   |            |        | DESIGNED BY | : GEORGE BONNER                                  |             | PHONE: 999-9999 | LOCATION 498 OF 587                    |  |
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| FUNC    | CODF     | DESC        | EXIST      | TAG    | NEW TAG     |  | CONSTRUCTIO | N NOTES         |  |  |
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| P001EM2-LO<br>9/05/17 11 |              | 01          |  |                   | SAN<br>DPSS - I | DIEGO GAS<br>ESIGN REV | IEW COF | Y - DE  | TAII         |              |         |      |      |                  |            | P         | AGE NO 578   |
|--------------------------|--------------|-------------|--|-------------------|-----------------|------------------------|---------|---------|--------------|--------------|---------|------|------|------------------|------------|-----------|--------------|
|                          | 3568         | JOB:01      | REV:0 TYPE                                 | : UD              | NAME: RO        | LANDO BLK              |         |         |              |              |         |      |      | TATUS: AC        | t Woi      | K ORDE    | R: 2960700   |
|                          |              |             | O BLK 7G2 T&C J                            |                   |                 | S                      | TATUS:  |         |              |              |         |      |      |                  |            |           |              |
| OCATION: 4               | 99 SHE       | ET: 01      | DISTRICT: CM                               | DESIGN            | ED BY: G        |                        |         |         |              |              |         |      | PHON | IE: 999-99       | 99 1       | LOCATIO   | N 499 OF 587 |
|                          | AU ID        | STOCK#      | DESCRIP                                    | rion/co           | NSTRUCTI        | ON NOTES               |         | [ RQD   | ]UM          | RSP          | RSP     | TRT  | TRT  | STANDARD<br>PAGE | TYPE       | HOURS     |              |
| E                        | 1330926<br>1 | <br> 162690 | HAND HOLE 330<br>QUAZITE BOX               | 9.2 37"<br>37"X26 | X 26" X<br>"26" | 26"                    |         | i 1     | EA           | С            | I I     | S    | CI   | 3309.2           | ( 3SWF3:   | 0.8       |              |
| [-N]                     | X09H26       | 162690      | INSTALL EXCAV<br>QUAZITE BOX               | ATION/R<br>37"X26 | EMOVE<br>26"    |                        |         | i 1     | EA <br> EA   | с            | [ ]     | 5    | С    | 3309.2           | 3SWF3      | 8.0  <br> |              |
| IN]                      | 1-3SLB       | 13220481    | 1-3 IN DB 90<br>BEND CONDUI<br>SLURRY MIX, | T DB 3            | IN 90 D         | SLURRY EN<br>36 IN R   |         | 4       | EA  <br>  EA | С            | 1       | S    | ¢    | 3373.2           | 3-WF3      | 0.2       |              |
| i                        | Ì            | i i         |  |                   |                 |                        |         |         |              |              | <br>    |      |      | [<br> <br>       | <br> 3-WF3 |           |              |
| NORK FAC<br>FUNC CODE    |              |             | EXIST TAG                                  | NEW I             | AG              |                        | SEF     | : SHT 1 |              | CONS         | TRUC:   | rion | NOTH | S                |            |           |              |
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|                   |                      |  | REV:0 TYPE: UD N  |                                       |               |  |                 |             |            |             | STATUS: AC           |                              |                  | R: 2960700   |
| ESIGN: 01         | -                    |  | 0 BLK 7G2 T&C JOB 1   | STATU                                 | JS: ACT       |  |                 |             |            |             |                      |                              |                  |              |
|                   |                      |  | DISTRICT: CM DESIGNE  | D BY: GEORGE BONNER                   |               |  |                 |             |            | PHO         | NE: 999-99           | 99 :                         | LOCATIO          | N 500 OF 587 |
| WRK <br>F-CIMU ID | <br> AU ID           | <br> STOCK#                                | DESCRIPTION/CON   | ISTRUCTIÓN NOTES                      | ] QT<br>] RQI | :  <br>)   UM                                  | WRK             | MAT<br> RSP | TIM        | ACC         | STANDARD             | CREW<br> TYPE                | EST  <br>  HOURS |              |
| I-N               | 3'HD-A<br>           | 1 1  | HAND DIG TRENCH 3 FT  | DEEP AVE                              | 1 4           | 0 ET   | i c             | i           | s          | C           | IG7453               | 3-WF3                        | 14.9             |              |
| I-N               | BKF-3 '<br>          | <b> </b><br>                               | BACKFILL TRENCH 3 FOC   | DT DEEP                               | 1             |  |                 | Ì.          | S          | i C<br>I    | i                    | 3-WF3<br> C-BC               | 0.6<br>0.6       |              |
| I-N               | SHD-12<br> <br>      | 611492 <br>  [                             | SHADE TRENCH WITH SAN<br>SAND, FILL RECYCLE   |                                       | 1             |  | 1               |             | S  <br>    | C<br>I<br>I | G7405<br> <br>       | 13-WF3                       | 0.1              |              |
| I-N               | 1                    | <br> 249664                                | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20   |                                       | 1 4           | 0 FT   | 1               | С           | I S I      | i C<br>I    | 3373.1<br>           | 1                            | 0.6              |              |
| I-N <br>          | R-XCES<br>           | X30007[                                    | EXCESS TRENCH SPOIL<br>DUMPING FEE  | (12 IN DEEP)                          | [ 4           | 0 FT<br>4 CY                                   | i c             | c           | S  <br>  S | C I         | I<br>I               | IC-DT                        | i 1.0            |              |
| I-N               | PLANTU               |  | REMOVE/REPLACE LANDSO   | APING                                 |               |  | i c             | -           | <br>  \$   | с           | 1                    |                              | 2.5              |              |
| I-N               | <br> CC-2CT          | i i  | CONCRETE 2 SAW CUT AN   | ID BREAK MECH                         | 1 3           |  | i c             | -           | <br>  S    | D I         | 1                    |                              | 0.61             |              |
| I-N               | <br> CF-H12          | 1 1  | FINISH CONCRETE SURFA   | CE MAN 12 IN                          | 1             | 5   FT   | 1 C             | ;           |            | I C         | 1                    | <br> SR3CS                   | 0.1              |              |
| I-N               |                      | <br>                                       | MACH DIG TRENCH 3 FI<br>TRAFFIC BEARING STE<br>ASPHALT, COLD MIX  | DEEP BACKHOE<br>EL PLATE              |               | 9 EA<br>1 TN                                   | i c<br>1<br>1   | c           |            | C<br> <br>  | (G7453<br> <br>      | <br> C-BC<br> C-BH<br> 3SWF4 | 0.51             |              |
| I-N <br>          | REM-3'<br>           | [X30007]                                   | TRENCH SPOIL 3 FT DE<br>DUMPING FEE   | PTH                                   | i :           | 31CY   | i c             | C           |            | i c<br>I    | Í<br>I               | <br> C-DT<br>                | 1.1              |              |
| 1                 | ]SLR-18              | 656400                                     | BACKFILL SLURRY 18 IN<br>SLURRY MIX, 1 SACK   |                                       |               | 3 CY   | C C             | с           |            | i C         | G7409<br>            | 1                            | 0.1              |              |
| I-N I<br>I<br>I   | 1EB3IN<br> <br> <br> | 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CON<br>CONCRETE - 2 SACK (<br>CONDUIT DB 3 IN 20<br>SPACER INTERMEDIATE<br>1 IN BASE SPACER | GRAVEL MIX)<br>FT LENGTH              |               | 2   FT<br>1   CY<br>2   FT<br>3   EA<br>3   EA | C<br> <br> <br> | 000         |            |             | 3376.1<br> <br> <br> |                              | 0.2              |              |
|                   | 1-3SLB<br> <br>      | 322048!<br> 656400                         | 1-3 IN DE 90 D 36 IN<br>BEND CONDUIT DE 3 I<br>SLURRY MIX, 1 SACK   | N 90 D 36 IN R                        | 1             | 1   EA<br>1   CY                               | i C<br>1        | с<br>  С    |            |             | 3373.2<br> <br>      | i<br>1                       | 0.1              |              |
|                   | SAW-CC               |  | SAW CUT CONCRETE  |                                       | [<br>[ ]      |  | C               | i           |            | С           | 1                    |                              | 1.51             |              |
|                   | 1                    | [<br> 248205                               | CONCRETE SIDEWALK SEC<br>CONCRETE - 6 SACK (  | TION (5X5) FINISHED<br>3/4" ROCK MIX) |               | 1   CY   | 1 C             | i<br>I C    | [ 5  <br>  | с           | l<br>I               | ISR3CS                       | L I              |              |
| ]<br>I-N          | ]<br>]LN-S/U         |  | TC-LANE CLOSURE URBAN   | STREET                                |               |  |                 |             | <br>  S    |             | <br>                 | l<br>I TC3                   |                  |              |

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| DP001EM2-<br>09/05/17 |               |              |            |          |       |              | SAN DIE<br>S - DESI |             |        |            |                | L            |       |      |       |                 |                | P#              | GE NO 580                                 |
|-----------------------|---------------|--------------|------------|----------|-------|--------------|---------------------|-------------|--------|------------|----------------|--------------|-------|------|-------|-----------------|----------------|-----------------|---|
| PROJECT:              | 253568        | JOB:01       | REV:0      | TYPE     | : UD  | NAM          | É: ROLAN            | NDO BLR     | K 7G2  | -T&C       | ЈОВ 1          |              |       |      |       | ATUS: A         |                | ORK ORDER       | 1: 2960700                                |
| DESIGN: 0             | )1 NAM        | E: ROLAN     | DO BLK 7G2 | T&C J    | OB 1  |              |                     |             | STATUS | : ACT      |                |              |       |      |       |                 |                |                 |   |
| LOCATION:             | 500 SH        | EET: 02      | DISTRICT:  | CM       | DESIG | NED          | BY: GEOF            | RGE BON     | NER    |            |                |              |       | I    | PHONE | : 999-9         | 999 .          | LOCATION        | 1 500 OF 587                              |
| WRK <br> F-C MU I     | ID JAU ID     | <br>  STOCK# | <br>  I    |          |       |              | RUCTION             |             |        | Q'<br>  R  | IY  <br>QD  UM | I RSP        | RSP 1 | RTII | IRT!  | TANDARD<br>PAGE | CREW<br>  TYPE | EST  <br> HOURS |   |
| I-N                   | <br>  LN/5/   | ,            | LANE CI    | OSURE    | URBAN | ST (         |                     | REPAIR)     | )      | 1          | i              | C            | 1     | s    | c 1   |                 | TC4            | ]<br>  1.0 _    |   |
| WORK F<br>FUNC CO     | FAC<br>DE DES | с.           | EXISI      | TAG      | NEŴ   | TAG          |                     |             |        | SEE SH     |                | CONST        | RUCTI | ON 1 | NOTES |                 |                |                 |   |
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|                       |                      | ET: 01  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                                     |  |     |                |                      | PHO               | <br>NE: 999-99            | 99 1                      | LOCATIO           | N 501 OF 587 |
|-----------------------|----------------------|---|--|-------------------------------------|--|-----|----------------|----------------------|-------------------|---------------------------|---------------------------|-------------------|--------------|
| F-C MU ID             |                      | <br> stock#                                     |  | 1 QTY                               |  | WRK |                |                      |                   | STANDARD<br>  PAGE        |                           |                   |              |
| I-N                   | AS-2CT               | 1 1   | ASPHAÏT 2 SAW CUT AND BREAK MECH   | 85                                  | FT   | С   | l              | S                    | C                 | 1                         | SR3AS                     | 2.2               |              |
| I-N <br>              | i -                  | 1 1   | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | 4                                   | FT   | С   | İ.             | S                    | C I               |                           | <br>  SR-3A<br> <br>      | 2.3               |              |
| Ľ−N  <br>             | BH04XH<br> <br>      | <br> X20201 <br> 114215                         | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 85<br>  85<br>  1                   | FT  <br>  EA  <br>  TN                     | С   | <br>  C<br>  C | S                    |                   | G7453<br> <br>            | C-BC<br>  C-BH<br>  3SWF4 | 4.3<br>4.3<br>8.5 |              |
| I-N <br>1             | 1                    | <br> X30007                                     | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | i 85<br>I 29                        | FT  <br>  CY                               | Ċ   | C              | S                    | Ì                 | i                         | <br> C-DT<br>             | 10.2              |              |
| I-N                   | SLR-24<br>           |   | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 170<br>  13                         | FT <br> CY                                 | _   | l<br>I C       | İ                    | i c               | G7409                     | 3-WF3<br>                 | i                 |              |
| I-N <br> <br> <br>    | 1EB3IN<br> <br> <br> | <br> 248201 <br> 249664 <br> 663528 <br> 663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY | 120<br>  3<br>  120<br>  21<br>  21 | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | -   | İ.             | S<br> <br> <br> <br> | i c<br> <br> <br> | 3376.1<br> <br> <br> <br> | <br> 3-WF3<br> <br> <br>  | 1.7               |              |
| I-N <br>[             | 1-35LB<br>[<br>[     | 322048 <br> 656400                              | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND                         |                                     | EA <br> CY                                 | С   | i c<br>i c     |                      | <br> <br>         | 3373.2<br> <br>           | <br> 3-WF3<br> <br>       |                   |              |
| 1-N                   | LN-S/U               |   | TC-LANE CLOSURE URBAN STREET   | i 1                                 |  | С   |                | l<br>I S             | l<br>I C          |                           | I TC3                     |                   |              |
|                       | <br> LN/S/S          | İ   | LANE CLOSURE URBAN ST (STREET REPAIR)  | i 1                                 |  | С   |                | I S                  | <br>  C<br>       | L                         | <br> TC4                  | 1.0               |              |
| I-N[<br>[             | XING-U<br>           | i i   | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX  | 1<br>  1                            | FT  <br>  TN                               | С   | C              | S<br>                | C<br>             | <br>                      | I<br>ITC4<br>I            | 0.1               |              |
| ,                     | <br> XING/S          |   | TRAFFIC COND. (XING LANE) STREET REPAIR  |                                     |  |     |                |                      |                   |                           | TC4                       | 0.1               |              |
| WORK FAC<br>FUNC CODE |                      |   | EXIST TAG NEW TAG  |                                     | C  | ONS | IRUC'          | TION                 | NOT               | ES                        |                           |                   |              |
|                       |                      |   |  | SEE SHT 1                           | 0  |     |                |                      |                   |                           |                           |                   |              |
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|                     |                 | TOD - 01           |   | DPSS - DESIGN REVIE  |              |                            |          |                |              |            | TATUS: A         | T WO                 | RK ORDE  | R: 2960700  |
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|                     |                 |                    |   |  | TUS: ACT     |                            |          |                |              |            |                  |                      |          |             |
|                     |                 |                    | O BLK 7G2 T&C JOB                                   |  |              |                            |          |                |              |            |                  |                      |          | N 502 OF 58 |
| CATION: 50          | 02 SHE          | ET: 01             | DISTRICT: CM DE                                     | SIGNED BY: GEORGE BONNE  |              |                            |          |                |              |            |                  |                      |          |             |
| RKI<br>-CIMU ID     | AU ID           | STOCK#[            |   | N/CONSTRUCTION NOTES   | QTY<br>  RQD | UM                         | RSP      | RSP            | TRT          | TRT        | STANDARD<br>PAGE | (TYPE                | HOURS    |             |
| -N                  | 3421–1<br>      | <br> 514240        | PAD 3421 1-PHASE<br>PAD 1-PHASE XE                  | TRANSFORMER<br>MR / 3-PHASE F.C. 3421                          | 1            | L   EA                     | 1        |                | E I          |            | 3421.1           | 3-AF4<br> <br>       |          |             |
| -N                  | X-XF1P          |                    |   | D (1-PHASE TRANSFORMER)  |              |                            |          |                |              |            |                  |                      |          |             |
| -N                  | 1               | <br> 812816        | . WIRE BARE COPE                                    | W/O RODS (TRANS/CAP)<br>PER #2-7 STR SOFT DRAWN                | [ ]          | EA<br>  LB                 | C<br>    | <br>  c        | S            |            | 4510.1           | 35WF3<br> <br>       | 0.21<br> |             |
| ו מ–:<br>ו<br>ו     | 1-3SLB<br> <br> | 322048 <br> 656400 | 1-3 IN DB 90 D 3<br>BEND CONDUIT I<br>SLURRY MIX, 1 |  |              | 4   EA<br>4   EA<br>1   CY | I C<br>1 | <br>  C<br>  C | S  <br> <br> | C<br> <br> | l                | 3-WF3<br> <br>       | 0.2 <br> |             |
| I.                  | (               | 12482051           | CONCRETE - 6 S                                      | - PERMANENT<br>SACK (3/4" ROCK MIX)<br>IN .188 WALL PLAIN BARE |              | 2 EA                       | 1 C      | ic             | S            | Ċ          | 3481.1           | <br>  SR3C5<br> <br> | [        |             |
| ORK FAC<br>UNC CODE |                 |                    | EXIST TAG 1   | JEW TAG  |              |                            | CONS     | TRUC           | TION         | NOTI       | ES               |                      |          |             |
| I PD                | PAD             |                    | I   | 0218300  | SEE SHT      | 10                         |          |                |              |            |                  |                      |          |             |
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| ROJECT            | 253568                 | JOB:01                   |   | NAME: ROLANDO RLK 762 -                                 | TAC JOP           | 1                        |            |            |                |     | emamile, ac          |                          | יייייייייייייייייייייייייייייייייייייי |              |
|-------------------|------------------------|--------------------------|---|---|-------------------|--------------------------|------------|------------|----------------|-----|----------------------|--------------------------|--|--------------|
|                   |                        |                          |   | NAME: ROLANDO BLK 7G2 -                                 |                   |                          |            |            |                |     | AC                   |                          |  | X: 2960700   |
| ESIGN: U          | I NAME                 |                          | O BLK /GZ T&C JOB I   | STATUS:   | : ACT             |                          |            |            |                |     | <b></b>              |                          |  |              |
| OCATION:          | 503 SHE                | ET: 01<br>               | DISTRICT: CM DESIG  | GNED BY: GEORGE BONNER                                  |                   |                          |            |            |                |     |                      |                          |  | N 503 OF 587 |
| WRK(<br>F-C(MU I) | l<br>D IAU ID          | <br> stock#              | DESCRIPTION/  | CONSTRUCTION NOTES                                      | QTY<br>  RQD      | <br>[UM]                 | WRK<br>RSP | MAT<br>RSP | TIM            | ACC | STANDARD<br>  PAGE   | CREW                     | EST  <br>  HOURS                       |              |
| I-N               | 3'HD-A<br>             |                          | HAND DIG TRENCH 3   | FT DEEP AVE   | 17                | FT                       | с          |            | S              | С   | G7453                | 3-WF3                    | ++<br>  6.6∣                           |              |
| ∑-N <br>!         | [                      |                          |   |   | 1 1               | 1 1                      | ~          |            |                |     | 1                    | 10-BC                    |  |              |
| I<br>I<br>I<br>I  | [<br>[SHD-12<br>[<br>[ | <br> 611492 <br>         | SHADE TRENCH WITH :<br>SAND, FILL RECY                        | SAND - 12 INCH WIDTH<br>CLED MATLS PREFFERED            | <br>  17<br>  1   | FT  <br>  TN             | С          | c          | S              | C   | 1G7405<br>1<br>1     | 10 .DT                   |  |              |
| Í-N <br>          | 1DB3-S                 | i i                      | 1-3 IN DB CONDUIT :<br>CONDUIT DB 3 IN :                      | SEC<br>20 FT LENGTH                                     | 1 17              | FT                       | С          | С          | S  <br>        | С   | 3373.1<br>           | 3-WF3                    | i i                                    |              |
| I-N               | R-XCES                 | i i                      | EXCESS TRENCH SPOI:<br>DUMPING FEE                            | L (12 IN DEEP)  | i 17<br>i 2       | FT <br> CY               |            | с          | S              | С   | l                    | C-DT                     | 0.4                                    |              |
| I-N               | PLANTU                 | i t                      | REMOVE/REPLACE LAN  | DSCAPING  | •                 | <br> FT                  | с          |            | I S            | с   | ,<br>[               | <br> 3-WF3               | <br>  0.7                              |              |
| I-N               | <br> CC-2CT            | i i                      | CONCRETE 2 SAW CUT  | AND BREAK MECH  | 1 10              | <br> FT                  | С          |            | ្រោ            | ¢   | i<br>[               | I SR3AS                  | 0.41                                   |              |
| <br>I-N           | <br> CF-H12            | i î                      | FINISH CONCRETE SU  | RFAÇE MAN 12 IN   | <br>  10          | <br> FT]                 | с          |            | ្រ             | С   | [                    | SR3CS                    |  |              |
| I-N <br>          |                        | <br> X20201              |   | FT DEEP BACKHOE<br>STEEL PLATE<br>X                     | 1 1               | EA ]<br>  TN             |            | с<br>с     | <br>           | С   | G7453<br>I           | IC-BC<br>IC-BH<br>I3SWF4 | 0.8 <br>0.8 <br>0.8 <br>1.6            |              |
| I-N <br>          | 1                      | <br> <br> X30007 <br>    | TRENCH SPOIL 3 FT<br>DUMPING FEE                              | DEPTH   | 20                | CY                       | С          | с          | <br>  S  <br>[ | С   | 1                    | C-DT                     | 1.8                                    |              |
| I-N!              | !SLR-18                | i i                      | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SAG                       | IN WIDE X 12 IN DEEP<br>CK SAND                         | 40<br>  3         | FT <br> CY               | CI         | с          | \$  <br>       | С   | G7409<br>            | 3-WF3                    | <br>  0.1!<br>    <u></u>              |              |
| E-N <br> <br>     | 1EB3SL<br> <br>        | <br> 2496641<br> 6564001 | 1-3 IN EB CONDUIT :<br>CONDUIT DB 3 IN 3<br>SLURRY MIX, 1 SAG | 20 FT LENGTH  | 30<br>  30<br>  1 | ET  <br>  CY1            | CI         | c<br>c     |                | С   | 3376.1<br>           | 3-WF3                    | 0.4                                    |              |
| I - N  <br> <br>  | 1-3SLS<br> <br>        | 322144[<br> 656400[      | 1-3 IN DE 22.5 D 2<br>BEND CONDUIT DE 3<br>SLURRY MIX, 1 SAG  | 5 FT R SLURRY ENCASED<br>3 IN 22.5 D 25 FT R<br>CK SAND | 4<br>  4<br>  1   | EA  <br>  EA ]<br>  ÇY [ | CI         | c I<br>c   |                | С   | 3373.2               | 3-101-13                 | <br>  0.7 <br>   <br>                  |              |
| I-N <br>          | 1-3SLB<br> <br>        | 100000001                | 1-3 IN DB 90 D 36<br>BEND CONDUIT DE 3<br>SLURRY MIX, 1 SAG   |   | 1                 | <br> EA <br> EA]<br> CY] | C          | c          |                | С   | <br> 3373.2<br> <br> | <br> 3-WF3<br> <br>      | 0.1                                    |              |
| I-N               | LN-S/U                 |                          | TC-LANE CLOSURE UR  | BAN STREET  | 1 1               | 1 E A F                  | С          |            | [ S ]          | С   |                      | I<br>TC3                 | 1.0 _                                  |              |
| <br>I-N           | ]<br>]LN/S/S           |                          |   | ST (STREET REPAIR)                                      |                   | ] [                      |            |            |                |     |                      | l                        |  |              |

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| 09/05/     | M2-LOCA<br>17 11:3 |             |   |           |          | DPSS -     |            | REVIEW   | ELECTRIC<br>COPY - DETA | IL           |           |            |                                       | E NO 584    |
|------------|--------------------|-------------|---|-----------|----------|------------|------------|----------|-------------------------|--------------|-----------|------------|---------------------------------------|-------------|
| PROJEC     | T: 2535            | 68 JOB:01   | REV:0                                   | TYPE      | : UD     | NAME:      |            | BLK 7G2  | -T&C JOB 1              |              | STA       | TUS: ACT   | WORK ORDER:                           | 2960700     |
|            | 1: 01              | NAME: ROLAN | DO BLK 7G2                              | T&C J     | OB 1     |            |            | STATU    | S: ACT                  |              |           |            |                                       |             |
| LOCATI     |                    | SHEET: 02   |   | СМ        |          |            | GEORGE     | BONNER   |                         |              | PHONE :   |            | LOCATION                              |             |
|            | FAC<br>CODE        | DESC        | · EXIST                                 | TAG       | NEW      |            | • <b></b>  |          | _~ <b>~~</b>            | CONSTRUCTION |           | <b>-</b> - | • •• •• •• •• •• •• •• •• •• ••       |             |
|            |                    |             |   |           |          |            |            |          | SEE SHT 10              |              |           |            |                                       |             |
|            |                    |             |   | <b>-</b>  |          | <b>-</b> - | • <b>-</b> |          |                         | <b></b>      |           |            |                                       |             |
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| 9/05/           |       | CAL40-0(<br>:36 |                        |                                       | SAN DIEGO G<br>DPSS - DESIGN R                               |           |                                   |             |       |       |       |                 |                     | P<br>            | AGE NO 585   |
|-----------------|-------|-----------------|------------------------|---------------------------------------|--|-----------|-----------------------------------|-------------|-------|-------|-------|-----------------|---------------------|------------------|--------------|
|                 |       |                 |                        |                                       | UD NAME: ROLANDO B   |           |                                   |             |       |       |       |                 |                     |                  | R: 2960700   |
|                 |       |                 |                        | DO BLK 7G2 T&C JO                     |  | STATUS: A |                                   |             |       |       |       |                 |                     |                  |              |
| OCATI           | ON: 5 | 04 SHEE         | ZT: 01                 | DISTRICT: CM                          | DESIGNED BY: GEORGE B  | ONNER     | <b></b>                           |             |       |       |       |                 |                     |                  | N 504 OF 587 |
| F-C P           | NU ID |                 | STOCK#                 | DESCRIPT                              | ION/CONSTRUCTION NOTE  | s 1       | RQD U                             | M RS        | PIRSE | TRI   | TRT   |                 | TYPE                | HOURS            |              |
| R−N  <br> <br>  |       |                 |                        |                                       | 3-PHASE TERM 350 & O   |           | 1   E<br>                         | EA C        | 1     | S     | C<br> | 3499.101<br>    | BOOMT<br>  3-AF4    | [ 4.0 <br>[ 0.4] |              |
| I-N <br>-  <br> |       | 3417<br> <br>   | <br> 162664<br> 514022 | BASE SECTION<br>PAD 3417 600          | FERMINATING CABINET<br>18 in 3313<br>AMP DEADFRONT TERMIN.   | Í         | 1 E<br>1 E                        | EAIC<br>EAI | i c   | S     | C<br> | 3417.1<br> <br> | 3-AF4<br>           | 4.01             |              |
| I-N[            |       | <br> X3417      |                        | EXCAVATE 3417                         | PAD W/3313 HH  |           | 1   Ξ                             | EAI C       | 1     | S     | 1 C   | 13417.1         |                     | 1.0              |              |
| I-N             |       | <br>            | 322112<br> 656400      | BEND CONDUIT<br>SLURRY MIX,           | 36 IN R BEND SLURRY 1<br>DB 5 IN 90 D 36 IN R<br>1 SACK SAND |           | 1 E<br>2 E                        | IA  C<br>IA |       | S<br> | C<br> | 13373.2<br>1    | <br> 3-WF3<br> <br> | 0.1              |              |
| <br>I-N         |       | LN-S/U          |                        | <br>  TC-LANE CLOSUR:                 | E URBAN STREET   | I         | 1   E                             | IA C        | <br>  | İŚ    | ic    | 1               | <br>  TC3           | 1.0              |              |
| <br>I-N         |       | i<br>  LN/S/S   |                        | <br>  LANE CLOSURE U                  | RBAN ST (STREET REPAI  | R)        | <br>1 E                           |             | 1     |       |       |                 | <br>  TC4           |                  |              |
| R               | PD    | PAD             |                        | D2171875001<br>D2171875001            | D2171875001  | AUTO      | TING PA<br>MATICLY<br>DINATE      | (           |       |       |       | SS ASSIGN       | ED A NEI            | W NUMBE          | R            |
|                 |       |                 |                        |                                       |  |           | <b>20 Chi thi Lui ang ang k</b> a |             |       |       |       |                 |                     |                  |              |
|                 |       |                 |                        | · · · · · · · · · · · · · · · · · · · |  |           |                                   |             |       |       |       |                 |                     |                  |              |
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|                     |                  |              |                                  | JD NAME: ROLANDO BLK   | 7G2 -T&C JOE | 3 1           |         |          |          | STATUS: AC   |                |         | R: 2960700   |
|---------------------|------------------|--------------|----------------------------------|--|--------------|---------------|---------|----------|----------|--------------|----------------|---------|--------------|
|                     | NAME             | ROLANI       | DO BLK 7G2 T&C JOB               | 1 512  | ATUS: ACT    |               |         |          |          |              |                |         |              |
| CATION:             |                  |              | DISTRICT: CM D                   | ESIGNED BY: GEORGE BONN                                      | ÈR           |               |         |          |          | NE: 999-99   |                | LOCATIO | N 505 OF 587 |
| WRK <br>F-C MU 10   | AU ID            | <br>  STOCK# |                                  | ON/CONSTRUCTION NOTES  | QTY<br>  RQD | ] UM          | RSPIE   | RSP   TF | M   ACC  | ISTANDARD    | CREW<br>  TYPE | HOURS   |              |
| +<br>I-N <br>       | 3421-1<br>       | <br> 514240  | PAD 3421 1-PHAS<br>PAD 1-PHASE X | E TRANSFORMER<br>FMR / 3-PHASE F.C. 3421                     |              | IEAI          | C  <br> | s<br>c   | 1 C<br>1 | 3421.1<br>]  | [3-AF4         | 0.4     |              |
| <br>I-N             | X-XF1P           |              |                                  | AD (1-PHASE TRANSFORMER                                      | ) i :        | EAI           | 1 0     |          | C        | 1            | 13SWF3         | 0.4     |              |
| 1-N <br>            | <br>  TG-T-W<br> | 1 1          | TRENCH GRD WIRE                  | w/o rods (trans/CAP)<br>Per #2-7 str soft drawn              | i :          | I EA1         | C  <br> | C 1      | l C      | 4510.1<br>   | 3SWF3          | 0.2     |              |
| I-N                 | 1-2SLB<br>       | <br> 321812  | 1-2 IN DB 90 D<br>BEND CONDUIT   | 36 IN R BEND SLURRY ENC<br>DB 2 IN 90 D 36 IN R              |              | 2 EA <br>2 EA | сi      | C        | i c      | 3373.2<br>   | [              | 0.1     |              |
| <br> <br>I-N <br>1  | <br> 1-3SLB      | [  <br>      | 1-3 IN DB 90 D                   | SACK SAND<br>36 IN R BEND SLURRY ENC<br>DB 3 IN 90 D 36 IN R |              | <br>2 EA      | c l     |          | <br>  C  | )<br>13373.2 | <br> 3-wf3     | I I     |              |
| 1                   | [                | 656400       |                                  | SACK SAND  |              |               |         | ci       |          |              | i              | i i     |              |
| WORK F7<br>FUNC COL | LC               |              | EXIST TAG                        |  |              | C             | CONSTR  | RUCTIO   | N NOI    | TES          |                |         |              |
| I ł                 | D PAD            |              |                                  | D218248  | SEE SHT      |               |         |          |          |              |                |         |              |
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| DP001EM2-LC<br>09/05/17 11 |           | 01           |          |         |        |         |         |         | AND EL<br>IEW COP |       |     |        |        |      |       |        |    |              |               | PAGE N    |       |        |
|----------------------------|-----------|--------------|----------|---------|--------|---------|---------|---------|-------------------|-------|-----|--------|--------|------|-------|--------|----|--------------|---------------|-----------|-------|--------|
| PROJECT: 25                |           |              |          |         |        |         |         |         |                   |       |     |        |        |      |       |        |    |              | RK ORD        | ER: 29    | 60700 |        |
| DESIGN: 01                 |           |              |          |         |        |         |         |         | TATUS:            |       |     |        |        |      |       |        |    |              |               |           |       |        |
| LOCATION: 5                | 506 SHE   | SET: 01      | DISTRICT | : CM    | DESIG  |         |         | RGE BON |                   |       |     |        |        |      |       | Z: 999 |    |              | LOCATI        | ON 506    | OF 5  | <br>87 |
| F-C MU ID                  | AU ID     | [<br>[STOCK# |          | DESCRIP | TION/C | CONSTRU | JCTION  | NOTES   |                   |       | 1 [ | WRK M  | at i 1 | rim  | ACC   | STANDA | RD | CREW<br>TYPE | EST<br> HOURS | I         |       |        |
|                            | <br> <br> | [<br>[       | I NO DE  | SIGN UN | ITS FO | OR THIS | 5 LOCAT | TION    |                   | <br>  |     |        | l<br>l | <br> | <br>  |        | ]  |              |               | 1         |       |        |
| WORK FAC<br>FUNC CODE      |           | 2            | EXIS     | T TAG   | NEW    | TAG     |         |         |                   |       | c   | CONSTR | UCTI   | ION  | NOTES | 5      |    |              |               |           |       |        |
|                            |           |              |          |         |        |         |         |         |                   | SHT 5 |     |        |        |      |       |        |    |              |               |           |       |        |
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| 05/17 11:3                            |                           |                                       |   |   |   |                              |                |                                       |         |                          |            |                          |      |                                       |       |         |             |
|---------------------------------------|---------------------------|---------------------------------------|---|---|---|------------------------------|----------------|---------------------------------------|---------|--------------------------|------------|--------------------------|------|---------------------------------------|-------|---------|-------------|
| JECT: 253                             | 568 J                     | JOB:01                                | REV:0                                     | TYPE  | UD                                      | NAME:                        | ROLANDO        | BLK 7G2                               | -T&C J( | OB 1                     |            |                          |      |                                       |       |         | R: 2960700  |
| IGN: 01                               | NAME :                    | ROLAND                                |   | 2 T&C J(                                    | DB 1                                    |                              |                | STATU                                 | IS: ACT |                          |            |                          |      |                                       |       |         |             |
| ATION: 50                             | 7 SHEE                    | ST: 01                                | DISTRICT                                  | : CM  |   |                              |                |                                       |         |                          |            |                          |      | E: 999-99                             | 99 1  | LOCATIO | N 507 OF 58 |
|                                       | <br>ו מד וזא              | STOCK#1                               | 1   | DESCRIP                                     | rión/co                                 | ONSTRUC                      | TION NO        | TES                                   | [ RO    | D UM                     | RSP RS     | P   TRT                  | [TRT | STANDARD<br>PAGE                      | TYPE  | HOURS   |             |
| NT   ]:<br>     <br>     <br>         | 1EB3IN<br> <br> <br> <br> | 248201<br>249664<br>663528<br>663530  | 1-3 IN<br>CONCI<br>CONDI<br>SPACI<br>1 IN | EB CONT<br>RETE - 2<br>JIT DB 2<br>ER INTER | DUIT CO<br>2 SACK<br>3 IN 20<br>RMEDIA: | ONC ENC<br>(GRAVE<br>) FT LE | L MIX)<br>NGTH |                                       |         | 74 FT <br>4 CY <br>74 FT |            | S<br> <br>   <br>   <br> |      | 3376.1                                | 3-WF3 | 2.4     |             |
| N                                     |                           | <br> 322144                           | 1-3 IN<br>BEND<br>SLURI                   | CONDUI:<br>RY MIX,                          | T DB 3<br>1 SACI                        | IN 22.<br>K SAND             | 5 D 25         | FTR                                   | 1       | 4   EA  <br>4   EA       | C  <br>  ( | S<br>                    | C    | 3373.2                                |       | L I,    |             |
| RK FAC<br>NC CODE                     |                           |                                       |   |   |   |                              |                |                                       |         | с                        | ONSTR      | JCTION                   | NOTE | s                                     |       |         |             |
|                                       |                           |                                       |   |   |   |                              |                |                                       |         |                          |            |                          |      |                                       |       |         |             |
|                                       |                           |                                       |   |   |   |                              |                |                                       | SEE SHT |                          |            |                          |      |                                       |       |         |             |
|                                       |                           |                                       |   |   |   |                              |                |                                       |         |                          |            | <b></b>                  |      |                                       |       |         |             |
|                                       |                           |                                       |   |   |   |                              |                |                                       |         |                          |            |                          |      |                                       |       |         |             |
|                                       |                           |                                       |   |   |   |                              |                |                                       |         |                          |            |                          |      |                                       |       |         |             |
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| OJECT:            | 253568         | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB             | 1  |       |          |      | !   | STATUS: AC                | T WO                    | RK ORDE              | R: 2960700   |
|-------------------|----------------|-------------------------|--|---------------------|--|-------|----------|------|-----|---------------------------|-------------------------|----------------------|--------------|
| ESIGN:            | 01 NAM         | E: ROLAI                | EDO BLK 7G2 T&C JOB 1 STATUS   | ACT                 |  |       |          |      |     |                           |                         |                      |              |
| OCATION           | : 508 SH       | EET: 01                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |  |       |          |      | PHO | NE: 999-99                | 99 1                    | LOCATIO              | N 508 OF 587 |
| WRK  <br>F-C   MU | <br>ID  AU ID  | [<br>  STOCK            |  | QTY<br>  RQD        | UM I                                       | RSP   | RSP      | TRT  | TRT | STANDARD<br>  PAGE        | TYPE                    | HOURS                |              |
| I-N               |                | Г                       | ASPHALT 2 SAW CUT AND BREAK MECH   | 1 200               |  | с     | i        |      | с   | 1                         |                         | 5.2                  |              |
| I-N               | AB-M2          | ⊈ ]                     |  | 200<br>  8          | FT   | С     | l<br>C   | S    | С   | l<br>I                    | SR-3A<br>               | 5.4                  |              |
| I-N <br> <br>     | BH04X<br> <br> | H<br> X2020:<br> 11421! | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  | 214<br>  214<br>  2 | FT  <br>  EA  <br>  TN ]                   | с     | C<br>C   | S    | С   | G7453<br> <br>            | C-BC<br> C-BH<br> 3SWF4 | 10.7<br>10.7<br>21.4 |              |
| Ľ−N  <br>         | RÉM-4          |                         | I TRENCH SPOIL 4 FT DEPTH  | 73                  | FT <br> CY                                 | с     |          |      | С   | l<br>l                    | IC-DT                   | 25.7 <br>  25.7      |              |
| I-N               | SLR-2          | 65640                   | BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND   | 1 32                | FT <br> CY                                 | с     | с        | S    | с   | IG7409                    | 3-WF3                   | í i                  |              |
|                   | E<br>L         | 66352 <br>  66353       | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAY<br>1 IN BASE SPACER | 30<br>  30          | FT  <br>  CY  <br>  FT  <br>  EA  <br>  EA | С     |          | S    |     | 3376.1<br> <br> <br> <br> | 3-WF3<br> <br> <br>     |                      |              |
| I-N:              | 1-3SL<br> <br> | 32214                   | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DE 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND  | 4<br>  4<br>  1     | EA <br> CY                                 | С     | C<br>  C | S    |     | 3373.2<br> <br>           | 3-WF3<br> <br>          | •                    |              |
| I-N               | LN-S/          | σj                      | TC-LANE CLOSURE URBAN STREET   | 1                   | EA   | ¢     | ĺ        | S    | С   | i                         | TC3                     | 1.0                  |              |
| I-N               | !LN/S/         |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                   | EA   |       | ĺ        | S    | С   | 1                         |                         | 1.0                  |              |
| I-N[              | <br>  PLANT    |                         | REMOVE/REPLACE LANDSCAPING   | ,<br>j 5            |  | с     | I        | s    | С   | 1                         |                         | 0.5                  |              |
| ī-N [             | ISAW-C         |                         | SAW CUT CONCRETE   | i 10                |  | с     | I        | -    | с   | 1                         |                         | 1.5                  |              |
| ĭ−N[<br>          |                | x i                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)  | j 1                 | EA   | С     | i        |      | С   | 1                         | SR3CS                   | 1.0 <br>             |              |
|                   | FAC<br>ODÉ DES | 2                       | EXIST TAG NEW TAG  |                     | C  | CONST | IRUC:    | CION | NOT | ES                        |                         |                      |              |
|                   |                |                         | SE   | CE SHT 1            | 0,14                                       | 1     |          |      |     |                           |                         |                      |              |

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| ROJECT: 253568 JOB                | 01 BEV-0 TYPE - UD                           | NAME: ROLANDO BLK 70      | 2 -T&C JOB 1                        | STATUS: ACT                             | WORK ORDER: 2960700       |
|-----------------------------------|--|---------------------------|-------------------------------------|---|---------------------------|
| SIGN: 01 NAME: R                  | DLANDO BLK 7G2 T&C JOB 1                     | STAI                      | US: ACT                             |   |                           |
|                                   | 01 DISTRICT: CM DES                          | IGNED BY: GEORGE BONNER   | ł                                   | PHONE: 999-9999                         | LOCATION 509 OF 58        |
| WRKI I I<br>F-CIMU ID  AU ID  STO | DCK#I DESCRIPTION                            | CONSTRUCTION NOTES        | QTY    WRK MA1<br>  RQD  UM RSP[RS] | TITIM ACC STANDARD C<br>TTTITITI PAGE T | REW ] EST  <br>YPE  HOURS |
| I-N  [3"CP-B]<br>    ]32          | CP BEND SCH 80 3 3<br>2472  ELBOW 3 IN-36 II | IN<br>N R 90 D PVC SCH 80 | 2 EA C                              | S   C  4204.3  3<br>                    | SWF3                      |
| WORK FAC<br>FUNC CODE DESC        | EXIST TAG NE                                 |                           |                                     | CTION NOTES                             | ~~~~~                     |
|                                   | P177196                                      |                           | SEE SHT 14                          | CABLE POLE JOB FOR NE                   | W POLE                    |
|                                   |  |                           |                                     |   | <b></b>                   |
| <u></u>                           |  |                           |                                     |   |                           |
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| P001EM2-L0<br>9/05/17 11 | :36          |                               |            |              |       |            |               | DPSS       | - DE           | ESIGN          | D GAS AN REVI | EW C | OPY  | - DE       | TAII       |          |      |       |     |         |        |               |          | PAG | E NO 591   |
|--------------------------|--------------|-------------------------------|------------|--------------|-------|------------|---------------|------------|----------------|----------------|---------------|------|------|------------|------------|----------|------|-------|-----|---------|--------|---------------|----------|-----|------------|
| ROJECT: 25               | 3568         |                               | REN        | V:0          | TY    | PE: 1      | UD            | NAME       | : ROI          |                |               |      |      |            |            |          |      |       |     |         | US: A  |               |          |     | 2960700    |
| ESIGN: 01                | NAME         |                               | DO BLF     | K 7G2        | 2 T&C | JOB        | 1             |            |                |                |               | ATUS |      |            |            |          |      |       |     |         |        |               |          |     |            |
| CATION: 5                | 10 SHE       |                               | DISTR      | RIĊT:        | ĊM    | D          | ESIG          |            |                | EORGE          | E BONNI       | ER   |      |            |            |          |      |       | PHC | )NE :   | 999-99 | 999           | LOCAT    | EON | 510 OF 587 |
| WRK <br>F-C[MU ID        | <br> AU ID   | 1<br> STOCK#                  | 1<br>I     | D            | DESCR | IPTI       | ON/C          | ONSTR      | UCTIC          | ON NC          | DTES          |      |      | QTY<br>RQD | UM         | RSP      | RSP  | TRT   | TRT | [] E    | AGE    | CREW<br> TYPE | HOUR     | S1  |            |
| [-N]                     | 11-3813<br>1 | :<br> <br> 322048 <br> 656400 | 1-3<br>  F | 3 IN<br>BEND | DB 9  | O D<br>UIT | 36 I)<br>DB 3 | NRB<br>IN9 | end s<br>0 d 3 | SLURF<br>36 IN |               |      |      | 1<br>1     | EA<br>EA   | l C<br>I | 1    | S<br> | i c | 337<br> | 3.2    | 3-WF:         | 31 O.    | 1   |            |
| VORK FAČ<br>FUNC CODE    |              |                               | I          | EXIST        | I TAG |            | NEW 1         | TAG        |                |                |               |      |      |            |            | CONS     | TRUC | TION  | NOT | ES      |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               | S    | EE Ş | HT 5       |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
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|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       | · · |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               | <b>.</b> |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
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|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
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|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            | · <b>-</b> |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
|                          |              |                               |            |              |       |            |               |            |                |                |               |      |      |            |            |          |      |       |     |         |        |               |          |     |            |
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| 09/05/17 1             | OCAL40-0(<br>1:36 | 01                      | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW   | ND ELECTRIC<br>V COPY - DE | :<br>TAI             | L               |             |              |               |                      |                         |                       | PAGE NO 592  |
|------------------------|-------------------|-------------------------|--|----------------------------|----------------------|-----------------|-------------|--------------|---------------|----------------------|-------------------------|-----------------------|--------------|
| ROJECT: 2              | 53568 0           | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 70  | 52 -T&C JOE                | 3 1                  |                 |             |              |               | STATUS: A            | CT WOI                  | RK ORDI               | ER: 2960700  |
| ESIGN: 01              | NAME              | ROLAND                  | O BLK 7G2 T&C JOB 1 STAT   | US: ACT                    |                      |                 |             |              |               |                      |                         |                       |              |
| OCATION:               | 511 SHEE          | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNEF  | 2                          |                      |                 |             |              | PHO           | NE: 999-9            | 999 1                   | LOCATIO               | ON 511 OF 58 |
| WRK <br>F-C MU ID      | <br> AU ID        | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD               | <br>  UM             | WRK             | MAT<br> RSP | TIM<br>  ŤRT | ACC<br>  TRT  | STANDARD<br>  PAGE   | [CREW<br>[TYPE          | EST<br>HOURS          | <br>         |
| I-N1                   | 3'HD-A            |                         | HAND DIG TRENCH 3 FT DEEP AVE  |                            | /   FI               | 1 C             | 1           | 5            | I C           | G7453                | 3 <b>-</b> ₩£3          | 0.6                   |              |
|                        |                   | 1 1                     | BACKFILL TRENCH 3 FOOT DEEP  |                            | 7   F1<br>           | i c             | 1<br>1      | i s<br>1     | i c<br>I      |                      | 3-WF3<br> C-BC          | 0.1                   | [            |
| <br>IN <br> <br>       | 1                 | <br> <br> 611492 <br>   | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          |                            |                      | ci c<br>II      | <br>  C     | Ś            | i c<br>I      | G7405<br> <br>       | C-BH<br>  C-DT          | [<br>[<br>[           | ۱            |
| <br> -N <br>           | 1<br>11083-S<br>1 | <br> <br> 249664        | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  |                            | <br>7   F1<br>7   F3 |                 | <br>  C     | S<br>        | 1 C<br>       | 3373.1               |                         | ) 0.1                 |              |
| I-N1<br>1              |                   | X30007                  | CONDUIT DB 3 IN 20 FT LENGTH<br>EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                        |                            | 7   F3<br>1   C3     | 1               | I<br>I C    | I S          | C<br>         | 1                    | C-DT                    | 0.2<br>               | ļ            |
| 1<br>I-N               | PLANTU            |                         | REMOVE/REPLACE LANDSCAPING   |                            |                      | i c'            | <br> <br>   | IS           | i c           | <br>                 | 3-WF3                   | 0.7                   | <br>         |
| I-N <br>[<br>[         | 1                 | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  |                            | 9   E7<br>1   TM     |                 |             | S<br> <br>   | [ C<br>[<br>] | G7453<br> <br>[      | C-BC<br> C-BH<br> 3SWF4 | 0.5<br>  0.5<br>  1.0 | t1<br>1<br>1 |
| I-N!                   | REM-3 *           | [X30007]                | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 1:                       |                      |                 | i –         | i s          | 1 C           |                      | <br>  C-DT<br>          | 1 1.1                 | 1            |
| I-NI<br>i              | SLR-18<br>        | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 3                        | 6 F1<br>3 C3         | C I C           | i –         | I S          | C I           | G7409<br>            | 3-WF3                   | 0.1<br>               | 1            |
| <br> <br> <br>         | 1EB3SL<br> <br>   | 249664 <br> 656400      | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 6                          | 9 F1<br>9 F1<br>9 F1 | 1<br>21 C<br>21 |             | 5            | C             | 3376.1<br>           | <br> 3-WF3              | <br>  1.0<br>         | <br>         |
| I <b>-</b> N <br> <br> | i1-3SLB           | 322048                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                            | 2 I L.               |                 |             | I S          | 1 C           | <br> 3373.2<br> <br> | <br> 3-WF3<br>          | <br>  0.1<br> <br>    | <br> <br>    |
| I-NI                   | LN-S/U            |                         | TC-LANE CLOSURE URBAN STREET   | 1                          | 1 E7                 | 4  C            |             | I S          | I C           | 1                    | ITC3                    | ] 1.0                 | 1            |
| I-NI                   |                   | i i                     | LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                          | 1   EZ               |                 | i –         | S            |               | 1                    | 1<br> TC4               | 1.0                   | i<br>        |
| і<br>1—л               |                   | i i                     | SAW CUT CONCRETE   | 1                          | 0   F.               |                 | 1           | I S          | C             | i                    | <br> SR-3C              | i 1.5                 | i <u></u>    |
| I-N                    | <br> CC-WLK<br>   | i i                     | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | n i                        | 1<br>1 E Z           | i c             | i           | i s          | i c           | i                    |                         | 1.0                   | i            |

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## CONSTRUCTION NOTES

## Block 7G2 UUP Attachment E – Technical Specifications

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| JECT: 253568 JOB:01                   | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 ~ 1   |   | STATU                       | S: AÇT WO              |                                       |            |
|---------------------------------------|--|---|-----------------------------|------------------------|---------------------------------------|------------|
| IGN: 01 NAME: ROLAN                   | DO BLK 7G2 T&C JOB 1 STATUS:   | ACT   |                             |                        |                                       |            |
| CATION: 512 SHEET: 01                 | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |   | PHONE: 9                    | 99-9999                | LOCATION                              | 512 OF 587 |
| RK     <br>C\MU ID  AU ID  STOCK#     | DESCRIPTION/CONSTRUCTION NOTES   | QTY    WRK MAT <br>  RQD  UM RSP RSP  | TIM ACC STAN<br>TRT TRT  PA | DARD  CREW<br>GE  TYPE | HOURS                                 |            |
| 162690                                | HAND HOLE 3309.2 37"X 26" X 26"<br>  QUAZITE BOX 37"X26"26"  | 1[EA  C    <br>  1[EA    C  | S   C  3309<br>             | .2  3SWF3              | 0.8                                   |            |
| 162690                                | INSTALL EXCAVATION/REMOVE  | <br>  1 EA  C    <br>  1]EA    C  | s   c  3309<br>             | ĺ                      | 1 0.8                                 |            |
| [322048                               | <br>  1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>  BEND CONDUIT DE 3 IN 90 D 36 IN R<br>  SLURRY MIX, 1 SACK SAND | ] [    <br>  3 EA  C [  <br>  3 EA    C  <br>  3 EA    C  <br>  1 CY    C [ | s   c  3373<br>             | .2 [3-WF3              |                                       |            |
| [<br>I-N   PLANTU                     |  | <br>  1 FT  C   [   |                             | <br> 3-wf3             | · · · · · · · · · · · · · · · · · · · |            |
|                                       |  | E SHT 12  |                             |                        |                                       |            |
|                                       | SEI  | E SHT 12  |                             |                        |                                       |            |
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| ROJECT: 25         | 3568                 | JOB:01                              | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 762                          | 2 -T&C JOE                 | 3 1                       | _                     |                 |              | 5          | STATUS: AC         | T WOI                   | RK ORDE                    | R: 2960700  |
|--------------------|----------------------|-------------------------------------|---|----------------------------|---------------------------|-----------------------|-----------------|--------------|------------|--------------------|-------------------------|----------------------------|-------------|
| ESIGN: 01          | NAME                 | ROLAND                              | O BLK 7G2 T&C JOB 1 STATE   | JS: ACT                    |                           |                       |                 |              |            |                    |                         |                            |             |
| CATION: 5          | 13 SHE               | ET: 01                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                            |                           |                       |                 |              | PHO        | NE: 999-99         | 99 1                    | LOCATIO                    | N 513 OF 58 |
|                    |                      |                                     |   | 1 OTY                      | 1                         | INER                  | MAŤ<br> RSP     | TIM <br> TRT | ACC        | STANDARD<br>  PAGE | CREW<br> TYPE           | EST  <br>  HOURS           |             |
| N                  | (AS-2CT              | 1 I                                 | ASPHALT 2 SAW CUT AND BREAK MECH  | 30                         | )   F                     | r  C                  | 1               | S            | ιc         | I                  | SR3AS                   | 0.81                       |             |
| e-n                | 1                    | <br> x20201                         | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 36<br>  27<br>  1          | 5   F<br>7   E3<br>1   T1 | ri c<br>Al<br>NI      | 1<br>  C<br>  C | 5            | C          | G7453<br> <br>     | C-BC<br> C-BH<br> 3SWF4 | [ 1.4]<br>[ 1.4]<br>[ 2.9[ |             |
| [-N]<br>           | REM-3'               | IX300071                            | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 1 36                       | <br>5 F<br> C             | ri c<br>XI            | i<br>I C        |              | i C<br>    | ,<br>1<br>1        | [<br> C-DT<br> <br>]    | 3.2                        |             |
| i<br>[-N]<br> <br> | SLR-18               |                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | i 108<br>i 7               | 3   F                     | ric<br>Yi             | •               | S            |            | G7409<br>          |                         | 0.2 <br>                   |             |
| [—N  <br> <br>     | AS-M18<br> <br> <br> | <br> X20022 <br> 114201 <br> 114202 | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)                | 30<br>  30<br>  30<br>  31 |                           | มี C<br>โ<br>มี<br>มี | -               | ) S<br> <br> |            | <br> <br> <br>[    | C-BC<br> SR-3A<br> <br> | [ 2.0]<br>[ [              |             |
| [<br>I-N <br> <br> | 1EB3SL<br> <br>      | [249664]<br>[656400]                | SLURRY MIX, 1 SACK SAND   | 32<br>  32<br>  1          | 2   F<br>2   F<br>L   C   | TİC<br>TI<br>YI       | i c<br>I C      | S<br> <br>   |            | 3376.1<br>]<br>    | •                       | 0.4                        |             |
| <br>[-N]<br>       | 1-3SLS<br> <br>      | 322144<br>656400                    | 1-3 IN DE 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DE 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND | 4                          | 1   E<br>L   C            | AIC<br>AI<br>YI       | 1 C<br>1 C      | S<br> <br>   | i c        | 3373.2<br> <br>    |                         | I                          |             |
| Ľ→N  <br> <br>     | 1-3SLB<br> <br>      | 322048 <br> 656400                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND    |                            | 2   E<br>1   C            | A C<br>A C<br>Y I     | C<br>  C        | S<br>        | C<br> <br> | 13373.2<br>[<br>]  | 1                       |                            |             |
| I-NI               | LN-S/U               |                                     | TC-LANE CLOSURE URBAN STREET  | 1 1                        |                           | AI C                  | i               | S            | i C        | 1                  | ITC3                    |                            |             |
| [<br>[_N]          | <br> LN/S/S          | í i                                 | LANE CLOSURE URBAN ST (STREET REPAIR)   | j 1                        |                           | AL C                  | i –             | <br>  S      |            |                    | 1<br>1 TC4              | i 1.0i                     |             |
| [-N]               | <br> SAW-CC          | i i                                 | SAW CUT CONCRETE  | 10                         |                           | ті с                  | i i             | IS<br>1      | l C        |                    | SR-3C                   | 1.5                        |             |
| <br>[-]] <br> <br> | 1                    |                                     | CONCRETE SIDEWALK SECTION (5×5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                             | i 1                        | 1   E<br>1   C            | A C                   | c               | S<br>        | ( C        | <br>               | SR3CS                   |                            |             |
| I-N <br> <br>      | XING-U               | i i                                 | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX   |                            | 1 F<br>1 T                |                       | c               |              | i c<br>I   |                    | TC4                     | j i                        |             |
| I-N                | <br> XINĠ/S          |                                     | TRAFFIC COND. (XING LANE) STREET REPAIR   |                            |                           | ri c                  |                 |              |            | •                  | TC4                     |                            |             |

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## SEE SHT 12

| DP001EM2-LOCAL40-001<br>09/05/17 11:36 | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO |   |
|--|--|---|
|  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -         |   |
| DESIGN: 01 NAME: ROLAN                 | IDO BLK 7G2 T&C JOB 1 STATUS:                  | ACT   |
| LOCATION: 514 SHEET: 01                |  | PHONE: 999-9999 LOCATION 514 OF 587   |
| WRK    ]<br> F-C MU ID  AU ID  STOCK#  | DESCRIPTION/CONSTRUCTION NOTES                 | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP TRT TRT  PAGE  TYPE  HOURS |
|  | NO DESIGN UNITS FOR THIS LOCATION              |   |
| WORK FAC<br>FUNC CODE DESC             | EXIST TAG NEW TAG                              | CONSTRUCTION NOTES  |
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| 001EM2-LO<br>/05/17 11 |                 |                         | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC   | )PY - DETAI                | L               |                |              |               |                    |                           | P.                          | AGE NO 596   |
|------------------------|-----------------|-------------------------|--|----------------------------|-----------------|----------------|--------------|---------------|--------------------|---------------------------|-----------------------------|--------------|
|                        |                 | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB 1                  |                 |                |              | 5             | STATUS: AC         | T WO                      |                             | R: 2960700   |
|                        | NAME :          | ROLANDO                 | D BLK 7G2 T&C JOB 1 STATUS:  |                            |                 |                |              |               |                    |                           |                             |              |
| CATION: 5              |                 |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                            |                 |                |              |               | NE: 999-99         |                           | LOCATIO                     | N 515 OF 587 |
|                        | AU ID           | STOCK#                  | DESCRIPTION/CONSTRUCTION NOTES   | RQD  UN                    | 4 RSI           | RSP            | TRT          | TRT           | STANDARD<br>  PAGE | TYPE                      | HOURS                       |              |
|                        | AS-2CT          | 1                       |  | [ 55]F7                    | C C             | 1 3            | S            | C             | l                  | SRBAS                     |                             |              |
| N [                    |                 | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 55 F1<br>  42 E4<br>  1 T1 | 7 <br>7 <br>7   | <br>  C        | S            |               | [G7453<br> <br>    | C-BC<br>  C-BH<br>  35WF4 | [ 2.2]                      |              |
| :-N                    | REM-3'          | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 55 F1<br>  14 C3           | ri c<br>Xi      | <br>  C<br>    | S            | C<br>         | <br>               | C-DT                      | 4.8                         |              |
| -N                     | SLR-18<br>      | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 165 F1<br>  10 C3          | ri c<br>Yi      | i              | S            | I C           | G7409              | 3-WF3                     | 0.3                         |              |
|                        | AS-M18<br> <br> | X200221                 | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)             | 55 F1<br>  55 S1<br>  5 T1 | Ϊ               |                | [ S<br>]<br> | C<br> <br>    | 1<br> <br> <br>[   | C-BC<br> SR-3A<br>        | 3.7 <br>  3.7[<br>     <br> |              |
| -N [                   | 1EB3SL<br> <br> | 2496641<br>656400       | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 42 F'<br>  42 F'<br>  1 C' | ri c<br>Ii      | <br>  C        | S<br> <br>   | 1 C<br>1<br>1 | 3376.1<br> <br>    | ł                         | 0.61<br>1 1                 |              |
| -N  <br>               | 1-3SLB<br>      | 322048 <br> 656400      | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1 E)<br>  1 E)<br>  1 C    | A  C<br>A <br>Y | <br>  C<br>  C | S<br> <br>   | C<br> <br>    | 3373.2<br> <br>    | 3-WF3<br> <br>            |                             |              |
| -N                     |                 | 322144 <br> 656400      | BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND   | ) 4 Ei<br>  4 Ei<br>  1 C  | AIC<br>AI<br>YI | C<br>  C       | S<br> <br>   | C<br> <br>    | 13373.2<br>1       | 3WF3<br>]                 | 1 0.7                       |              |
| -N                     | [LN-S/U         |                         | TC-LANE CLOSURE URBAN STREET   | 1 E                        | A  C            | 1              | I S          | C I           | 1                  | TC3                       | 1 1-01                      |              |
| -N                     | <br> LN/S/S     |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  | <br>  1 E                  | A  C            | 1<br>          | S            | C             |                    |                           |                             |              |
| IORK FAC               |                 |                         | EXIST TAG NEW TAG  |                            | CON             | STRUC          | TION         | NOT           | <b></b>            |                           |                             |              |
|                        |                 |                         | S1   | EE SHT 11                  |                 |                |              |               |                    | <b></b>                   |                             |              |
|                        |                 |                         |  |                            |                 |                |              |               |                    |                           |                             |              |
|                        |                 |                         |  |                            |                 |                |              |               |                    | <u>_</u>                  | <u> </u>                    |              |
|                        | - <u>11.</u>    |                         |  |                            |                 |                |              |               |                    |                           |                             |              |
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|------------------------|--------------------|-----------|--------------|--------|----------|---------|---------|--------|---------|-------------------|-------|--------|------|------|-----------|------|------|-----------------|----------|-----|---------|----------|-----|
|                        |                    |           | JOB:01       |        |          |         |         |        |         |                   |       |        |      |      |           |      | s    | TATUS:          | ACT      | WOR | K ORDER | : 2960   | 700 |
|                        |                    |           | : ROLANI     | DO BLK |          | с јов : | 1       |        |         | STATU             | JS: A | СТ     |      |      |           |      |      |                 |          |     |         |          |     |
| LOCATIO                | DN: 50             | l6 SHE    | ET: 01       | DISTRI | CT: CM   | DE:     | SIGNED  | BY: GE | LORGE E | BONNER            |       |        |      |      |           |      |      | E: 999-         |          |     | OCATION |          |     |
| WRK <br>[F-C M0<br> +- |                    |           | [<br> STOCK# |        | DESC:    | RIPTIO  | N/CONSI | RUCTIC | DN NOTE | is<br>            |       |        | I    | WRK  | MAT       | TIM  | ACC  | STANDAE<br>PAGE | RD   CRE | W   | EST     |          |     |
|                        | • <del>• •</del> • | <br> <br> |              |        | DESIGN   | UNITS   | FOR TH  | IS LOC | CATION  |                   | 1     |        | <br> |      | <br> <br> | 1    |      |                 | 1        | 1   | ,<br>   | <u> </u> |     |
| WORK<br>FUNC           |                    | DEŚC      |              | EX     | KIST TAG | .Ġ N.   | ew tag  |        |         |                   |       |        | Ċ    | CONS | IRUC      | TION | NOTE | S               |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   | SEE   | SHT 1: | L    |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        | · ·      |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          | ~   |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
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|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     |         |          |     |
|                        |                    |           |              |        |          |         |         |        |         |                   |       |        |      |      |           |      |      |                 |          |     | _       |          |     |

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| DP001EM2-LOCAL40-001<br>09/05/17 11:36                 | SAN DIEGO GAS AND ELI<br>DPSS - DESIGN REVIEW COP |                |                                       | PAGE NO 598            |
|--|---|----------------|---------------------------------------|------------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD                  | NAME: ROLANDO BLK 7G2 -T                          | SC JOB 1       |                                       | T WORK ORDER: 2960700  |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1             | STATUS: 2   | ACT            |                                       |                        |
|  | NED BY: GEORGE BONNER                             |                | PHONE: 999-99                         | 99 LOCATION 517 OF 587 |
| WRK       <br> F-C MU ID  AU ID  STOCK#! DESCRIPTION/C | CNSTRUCTION NOTES                                 | QTY    WRK MAT | TIM ACC STANDARD                      | CREW   EST             |
|  | R THIS LOCATION                                   |                |                                       |                        |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW               |   |                | CTION NOTES                           |                        |
|  | SEE   | SHT 11<br>     |                                       |                        |
|  |   | <u>.</u>       |                                       |                        |
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|  | <u></u>   |                |                                       |                        |
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| DJECT: 25     | 3568 0     | JOB:01        | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   |                          |            |                |         | STATUS: 2          |                      | K ORDER: 29607  | 00 |
|---------------|------------|---------------|--|--------------------------|------------|----------------|---------|--------------------|----------------------|-----------------|----|
|               |            |               | DO BLK 7G2 T&C JOB 1 STATU   | S: ACT                   |            |                |         |                    |                      |                 |    |
| CATION: 5     | 18 SHEP    | ET: 01        | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                          |            |                |         |                    |                      | LOCATION 518 OF |    |
| RK            | <br> AU ID | {<br>  stock# |  | I QTY                    | WRKIMA     | T]TIN<br>P TR7 | i   ACC | STANDARI<br>  PAGE | )  CREW  <br> TYPE [ | EST             |    |
| -N [          |            | i i           | ASPHALT 1 SAW CUT AND BREAK MECH   | ++<br>  5 FT             | сi         | ie             | i c     | i                  | SR3AS                | 0.1             |    |
| N[            | 3313TC<br> | i i           | HANDHOLE 3313 WITH TRAFFIC COVER<br>3313 TRAFFIC COVER HANDHOLE COMPLETE                               | 1 EA <br>  1 EA          | C          | S<br>          | C<br>   | 13313              |                      | 3.01<br>0.5     |    |
| I-NI          | X13H-A     | i i           | EXCAVATE 3313 HANDHOLE   | 1[EA]                    | CI         | S              | 1 C     | 3313.2             | 3SWF3                | 0.4             |    |
| I-N <br> <br> | 1          | <br> 322048   | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                          | c i<br>i c | S<br>          | 1 C     | 3373.2<br>         | 3-WF3 <br>  3-WF3    | 0.1             |    |
| 1<br>-N       |            | I             | TC-LANE CLOSURE URBAN STREET   | [<br>  1 EA              |            | <br>  S        | <br>  C |                    | 1<br> TC3            | 1.0             |    |
|               | 1          |               |  |                          |            |                |         |                    | TC4                  |                 |    |
| ORK FAC       | ;          |               |  | 1;EA <br>C<br>SEE SHT 11 | ONSTRU     |                |         |                    |                      | 1.01            |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      | 1.0             |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |
| ORK FAC       | ;          |               | EXIST TAG NEW TAG  | C<br>SEE SAT 11          |            |                |         |                    |                      |                 |    |

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|                    |                 | JOB:01                  | SAN DIEGO<br>DPSS - DESIGN<br>REV:0 TYPE: UD NAME: ROLANDO                                      | BLK 7G2 -T&      | CUTOR           | 1               |            |                  |             | 5          | TATUS: AC        | T WO                     | RK ORDES                | 2960700    |
|--------------------|-----------------|-------------------------|---|------------------|-----------------|-----------------|------------|------------------|-------------|------------|------------------|--------------------------|-------------------------|------------|
|                    |                 |                         | O BLK 7G2 T&C JOB 1   |                  | ст<br>          |                 |            |                  |             |            |                  |                          |                         |            |
| OCATION: 5         | 19 SHEI         | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE  | BONNER           |                 |                 |            |                  |             | PHON       | E: 999-99        | 99 1                     | LOCATION                | 1 519 OF 5 |
|                    | ,               |                         | DESCRIPTION/CONSTRUCTION NOT  | 1                | QTY<br>RQD      | ] [<br>]UM[     | WRK<br>RSP | MAT  <br>RSP     | TIM!<br>TRT | ACCI       | STANDARD<br>PAGE | CREW<br> TYPE            | EST  <br> HOÙRS         |            |
| I-N                | AS-2CT          | 1                       | ASPHALT 2 SAW CUT AND BREAK MECH  | I 1              | 28              | FT              | с          |                  | S           | CI         |                  | SR3AS                    | 0.7                     |            |
| [N <br>            | 1<br>           | <br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEP BACKHON<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX           |                  | 29<br>1         | EA <br> TN      |            |                  | S           |            | G7453            | C-BC<br> C-BH<br> 3SWF4  | 1.5 <br>  1.5 <br>  3.0 |            |
| I-N[               | 1               | <br> X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                  | 38              | <br> FT <br> CY | с          | <br>  C  <br>  C |             |            |                  |                          | <br>  3.3 <br>   _      |            |
| i<br>I-NI<br>I     | SLR-18<br>      |                         | BACKFILL SLURRY 18 IN WIDE X 12 IN<br>SLURRY MIX, 1 SACK SAND                                   | IDEEP  <br> <br> | 5               | FT <br> CY      |            |                  | SI          | C          | G7409            | (3-WF3                   | 1 1                     |            |
|                    | AS-M18<br> <br> | <br> X20022<br> 114201  | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)      |                  | 38<br>38<br>4   |                 | с          |                  | S           | С          |                  | C-BC<br>  SR-3A<br> <br> | 2.5 <br>  2.5 <br>      |            |
|                    | 1               | 249664<br>656400        | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DE 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND     |                  | 138<br>138<br>3 | FT              |            |                  |             |            | 3376.1           | 3-WE3<br> <br>           | 1.9 <br>                |            |
| <br>I-N <br> <br>1 | 1-3SLB<br> <br> | 322048<br>656400        | 1-3 IN DB 90 D 36 IN R BEND SLURR<br>BEND CONDUIT DB 3 IN 90 D 36 IN<br>SLURRY MIX, 1 SACK SAND |                  | 2<br>1          | EA<br>EA<br>CY  | 1          |                  |             |            | 3373.2           | 3-WF3                    | i i                     |            |
| I-N]               | LN-S/U          | •                       | TC-LANE CLOSURE URBAN STREET  |                  |                 |                 | C          |                  | s           | c          |                  |                          | 1.0 <br>                |            |
| I-N                | <br> LN/S/S     | 1                       | LANE CLOSURE URBAN ST (STREET REP.  | AIR)             |                 | EA              |            |                  | 5           | c          |                  | TC4                      | 1.0                     | <b>.</b> . |
| I-N[               |                 | i                       | SAW CUT CONCRETE  | 1                |                 |                 | l C        | 1                | S           | C          |                  | SR-3C                    | 1.5                     | <u> </u>   |
|                    | i               | <br> 248205             | CONCRETE SIDEWALK SECTION (5X5) F<br>CONCRETE - 6 SACK (3/4" ROCK MI                            | K) ]             |                 |                 | i          | <br>  C          | S           | C<br>      |                  | SR3ČS                    | •                       |            |
| I-N]               | XING-U          |                         | TC-TRAFFIC CONDITIONS STREET CROSS<br>ASPHALT, COLD MIX   | SINGS  <br>      | . 1             | FT<br>  TN      | ] C<br>]   |                  |             | C<br> <br> | İ                | TC4                      | I I.                    |            |
| I-N                | XING/S          | 1                       | TRAFFIC COND. (XING LANE) STREET  | REPAIR           | 1               |                 | i c        | •                |             | C I        |                  | TC4                      |                         |            |

SEE SHT 12

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|                   | DCAL40-00<br>1:36 | 01             |                      |        |           | SAN DIEGO<br>5 - DESIGN |         | PY - DE      |                   |                |                  |                |                 |                |              | PA           | AGE NO   | 601 |
|-------------------|-------------------|----------------|----------------------|--------|-----------|-------------------------|---------|--------------|-------------------|----------------|------------------|----------------|-----------------|----------------|--------------|--------------|----------|-----|
| ROJECT: 25        | 53568             |                | REV:0                |        |           |                         |         | T&C JOB      | 1                 |                |                  |                | STATU           |                |              |              | R: 29607 |     |
| ESIGN: 01         | NAME              | : ROLAND       | O BLK 7G2 T          | &C JOB | 1         |                         | STATUS: | ACT          |                   |                |                  |                |                 |                |              |              |          |     |
| OCATION: 5        | 520 SHE           | ET: 01         | DISTRICT: CI         | M D    | ESIGNED H | BY: GEORGE              | BONNER  |              |                   |                |                  |                |                 |                |              |              | N 520 OF | 587 |
| WRK]<br>F-C MU ID | <br> AU ID        | <br>[ STOCK#   |                      | CRIPTI | on/consti | RUCTION NOT             | TES     | QTY<br>  RQD | ] []<br>] UM [] E | WRK M<br>RSP R | AT   T<br>SP   T | IM AC<br>RT TR | CISTAN<br>TI PA | IDARD  <br>AGE | CREW<br>TYPE | EST<br>HOURS |          |     |
| I-N <br>          | 1330926<br>       | (  <br> 162690 | HAND HOLE<br>QUAZITE | 3309.  | 2 37"X 20 | 5" X 26"                |         | 1<br>  1     | EA <br> EA        | CI             | c i              | 5   C<br>      | 3309<br>        | ).2            | 3SWF3        | 0.8          |          |     |
| I-N               | X09H26<br>        | 162690         | INSTALL E<br>QUAZITE |        |           |                         |         | 1<br>  1     | EA <br> EA]       | D<br>          | c [ :            | s i c<br>I     | 1               | 9.2            | I I          | 0.8[         |          |     |
| I-N               | 1-3SLB<br>        | 322048[        | 1-3 IN DB<br>BEND CO | NDUIT  | DB 3 IN 9 | 90 D 36 IN              |         | 3<br>  3     | EA]<br> EA[       | CI             | c i i            | s i c<br>I     | Į.              | 3.2            |              | 0.2          |          |     |
| Γ-N               |                   |                | SLURRY I             |        |           |                         |         |              | 1                 | 1              | 1                | [              | i               |                |              | 0.1          |          |     |
| WORK FAC          | 5                 |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
| FUNC CODE         | e desc            |                | EXIST T              | AG     | NEW TAG   |                         |         |              | C                 | ONSIR          | UCTIO            | ON NO          | TES             |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |
|                   |                   |                |                      |        |           |                         |         |              |                   |                |                  |                |                 |                |              |              |          |     |

| ROJECT: 25        | 53568 3       | JOB:01             | REV:       | TYPE:                  | UD                 | NAME :             | ROLANDO       | BLK 7G2 | -TeC JOB        |                |            |                     |              |              |                  | T WO           | RK ORDI               | R: 2960700   |
|-------------------|---------------|--------------------|------------|------------------------|--------------------|--------------------|---------------|---------|-----------------|----------------|------------|---------------------|--------------|--------------|------------------|----------------|-----------------------|--------------|
| SIGN: 01          | NAME :        | : ROLANI           | O BLK .    | G2 T&C JC              | DB 1               |                    |               | STATU   | S: ACT          |                |            |                     |              |              |                  |                |                       |              |
| CATION: 9         |               |                    |            |                        |                    | NED BY:            | GEORGE        | BONNER  |                 |                |            |                     |              |              |                  |                |                       | DN 521 OF 58 |
| VRK <br>F-CIMU ID |               |                    |            | DESCRIPI               | rion/co            | ONSTRUC            | TION NO       | TES     | QTY<br>  RQD    | UM             | WRK<br>RSP | MAT                 | TIM <br>TRT  | ACC  <br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE | EST<br> HOURS         |              |
| +<br>[-N <br>     | IBH03XH       | +<br>1<br>  X20201 | MACH       | DIG TRENG              | CH 3 1<br>RING SI  | FT DEEP<br>FEEL PL | BACKHO<br>ATE | E       | 5<br>  4<br>  1 | FT<br>EA<br>TN |            | 0  <br>  0  <br>  0 | S  <br> <br> | C  <br> <br> | G7453            | C-BC           | 0.2<br>  0.2<br>  0.4 |              |
| [                 | 1             | X30007             | DUI        | H SPOIL<br>PING FEE    | 3 FT I             | DEPTH              |               |         | 5<br>  2        | FT<br>CY       |            | C                   | S I          | C [          | [                |                | 0.4                   |              |
| [-N]              | 1"PE          | <br> <br> 249630   | 1 IN       | POLYETHYI<br>DUIT DB 1 | LENE CO<br>L IN PO | ONDUIT<br>OLYETHY  | LENE          |         | i 15<br>i 15    | FT<br>FT       |            |                     | S  <br>      | C I          | 3373.1<br>       |                | 1 0.3<br>1            |              |
| [-N]<br>]         | SLR-18<br>    | <br> 656400        | BACK<br>SL | ILL SLURE<br>RRY MIX,  | RY 18 1            | IN WIDE            | X 12 I        | N DEÉP  | 15<br>  1       | FT<br>  CY     |            |                     | S  <br>      | C            | G7409<br>        |                | Ì                     |              |
| <br>I-N           | (<br>  plantu | <b>1</b><br>1      | REMO       | E/REPLACE              |                    |                    | i             |         | <br>  5         |                | c          |                     |              |              |                  | <br> 3-WF3     |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW 1              | IAG                |               |         | SEE SHT 8       |                | CONS1      | IRUCI               |              | NOTE         | 2S<br>           |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW :              | IAG                |               |         | SEE SHT 8       |                | CONS!      | IRUCI               | :ION         | NOTE         | 2S               |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW ?              | PAG                |               |         | SEE SHT 8       |                |            |                     |              | NOTE         | 2S               |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW ?              | IAG                |               |         | SEE SHT 8       |                |            | IRUC1               | 210N         | NOT#         | ES               |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW ?              | TAG                |               |         | SEE SHT 8       |                |            |                     |              | NOT!         | 2S               |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW ?              | IAG                |               |         | SEE SHT 8       |                |            |                     |              | NOTH         | 2S               |                |                       |              |
|                   |               |                    | EX.        | ST TAG                 | NEW ?              | TAG                |               |         | SEE SHT 8       |                |            |                     |              | NOTH         | ES               |                |                       |              |

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|   |  |  | REV:0 T  |   |  |  |                   |  |   |       |       |  |                  |                     |   |  | : 2960700 |
|---|--|--|--|---|--|--|-------------------|--|---|-------|-------|--|------------------|---------------------|---|--|-----------|
| GIGN: 01  | NAME   | ROLANI   | DO BLK 7G2 T&C   | JOB İ   |  |  | STATUS:           | ACT  |   |       |       |  |                  |                     |   |  |           |
|   |  | ET: 01   | DISTRICT: CM   | DESIC   | SNED BY:   | GEORGE BO  | ONNER             |  |   |       |       |  |                  |                     |   | LOCATION   | 522 OF 58 |
| RK <br>-C MU ID   | AU ID  | ]<br>  STOCK#  | [ DESCH  | RIPTION/C   | ONSTRUC  | FION NOTE:   | s                 | I RQD  | UM[   | RSP   | RSP   | TIM<br>TRT                                 | ACC  <br>  TRT [ | STANDARD<br>PAGE    | CREW  | HOURS  |           |
| -N   P-SCAD<br> <br> br> 812816<br> <br> 102017<br> 678126 | EXCAVATE 20<br>CONCRETE CC<br>CONCRETE CC<br>CONCRETE<br>GROUND ANTI<br>WIRE BARI<br>ANTENNA POI<br>POLE - SCAN<br>ADAPTER,<br>STANDARD<br>TRENCH GRD<br>WIRE BARI | 20' CON<br>D' POLE -<br>DLLAR 20'<br>- 6 SACH<br>ENNA POLE<br>E DELIVE<br>DA ANTENNA<br>ANTENNA<br>DIR BURI | PLETE<br>- SCADA 1<br>' X 20"<br>( (3/4" )<br>: W/TREM<br>#2-7 STI<br>IRY<br>IRY - 20'<br>SUPPORT<br>AL NOMA | ANTENNA<br>ROCK MIX)<br>CH GROUND<br>R SOFT DRJ<br>FOR 20'<br>17-0 MTG | AWN<br>POLE<br>HT | 1<br> <br>  1<br>  1<br>  1<br>  1<br>  1<br>  1<br>  1<br>  1<br> | EA <br>     <br> EA <br> EA <br> CY <br> EA <br> LB <br> HR <br> EA <br> EA |       |       | S  <br> <br> <br> <br> <br> <br> <br> <br> |                  | 4434.1<br>4640/4510 | SR3CS<br>  3SWF3<br>  BOOMT<br>  3WF3S<br>  FLBED<br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> | 1.4]     1.4]     0.2[_     1.4.0]     1.2.0[_     1.4.0]     1.4.0]     1.4.0]     1.4.0]     1.4.0]     1.4.0]     1.1.1 <td></td> |           |
|   |  |  | EXIST TAG  | G NEW   | TAG  |  |                   |  | c   | CONST | IRUCT | ION  | NOTE             | s                   |   |  |           |
| I US  | UG S   | FRTLGHT,   | /POL   | L12.  | 8095   |  | SE                | E SHT 8  |   |       |       |  |                  |                     |   |  |           |
|   |  |  |  |   |  |  |                   |  |   |       |       |  |                  |                     |   |  |           |
|   |  |  |  |   |  |  |                   |  |   |       |       |  |                  |                     |   |  |           |
|   |  |  |  |   |  |  |                   |  |   |       |       |  |                  |                     |   |  |           |

Block 7G2 UUP Attachment E – Technical Specifications

|                         |  |   | REV:0 TYPE: UD NAM  | STATUS                 |                                 |                      |                      |                 |                 |            |                           |                |                         |            |
|-------------------------|--|---|---|------------------------|---------------------------------|----------------------|----------------------|-----------------|-----------------|------------|---------------------------|----------------|-------------------------|------------|
|                         |  |   | D BLK 7G2 T&C JOB 1   |                        |                                 |                      |                      |                 |                 | PHO        | NE: 999-99                | 99             | LOCATIO                 | N 523 OF 5 |
| WRK <br>F-CIMUID        |  | STOCK#1                                 | DESCRIPTION/CONST   | RUCTION NOTES          | QTY<br>  RQD                    | UM                   | WRK<br> RSP          | MAT             | TIM <br> TRT    | ACC<br>TRT | STANDARD<br>  PAGE        | CREW<br> TYPE  | EST  <br> HOURS         |            |
| IN                      | AS-2CT                                 | 1                                       | ASPHALT 2 SAW CUT AND   | BREAK MECH             | 1 27                            | FΤ                   | I C                  |                 | 5               | C          | 1                         | SR3AS          | ++<br>1 0.7 <br>        |            |
| I-N]                    | í i                                    | 114201                                  | ASPHALT BASE MECH 18<br>ASPHALT (BASE)  | 3 IN                   | <br>  27<br>  3                 | FΤ                   | 1 C                  | 1               | ( S             | C          | i                         | C-BC<br> SR4AL | 0.7 <br>  0.7           |            |
| I-N <br> <br>           | BH03XH                                 | X20201                                  | MACH DIG TRENCH 3 FT I<br>TRAFFIC BEARING STEEI<br>ASPHALT, COLD MIX  |                        | 40<br>30                        | FT<br>EA<br>TN       | C<br> <br>           | 1<br>  C<br>  C | \$  <br>        | с          | G7453<br> <br>[           | C-BC           | 1.6 <br>  1.6 <br>  3.2 |            |
| I-N                     | ]REM-3' <br>                           | x30007[                                 | TRENCH SPOIL 3 FT DEF<br>DUMPING FEE  | Ч                      | 40<br>1 10<br>1                 | FT<br>  CY           | i · C<br>I           | i<br>  c        | 1 3             | i C        | i<br>1                    |                | 1 3.5 <br>1 1           |            |
| I-N                     | SLR-18                                 | 656400                                  | BACKFILL SLURRY 18 IN W<br>SLURRY MIX, 1 SACK SA  |                        | 120                             | FT<br>  CY           | 1 C<br>1             | <br>  C         | \$<br>[         | C<br>      | G7409<br>                 |                | 0.2                     |            |
| I-N]<br> <br> <br> <br> | 1EB3IN <sup>+</sup><br> <br> <br> <br> | 248201 <br>249664 <br>663528 <br>663530 | 1-3 IN EB CONDUIT CONC<br>CONCRETE - 2 SACK (GI<br>CONDUIT DB 3 IN 20 FT<br>SPACER INTERMEDIATE 5<br>1 IN BASE SPACER | RAVEL MIX)<br>C LENGTH | 41<br>  1<br>  41<br>  7<br>  7 | FT<br>CY<br>FT<br>EA | C<br> <br> <br> <br> | 0000            | S<br> <br> <br> |            | 3376.1<br> <br> <br> <br> |                | 0.6                     |            |
| <br>I-N <br>1           | 1-3SL8<br> <br>                        | 321878 <br>656400                       | 1-3 IN DB 45 D 36 IN R<br>BEND CONDUIT DB 3 IN<br>SLURRY MIX, 1 SACK SA   | 45 D 36 IN R           | 1 2<br>  2<br>  1               | EA                   | C<br> <br>           | с<br>с          |                 | C<br> <br> | ]3373.2<br>]<br>          |                |                         |            |
| 1<br>I-N <br>           | XING-U                                 |   | TC-TRAFFIC CONDITIONS S<br>ASPHALT, COLD MIX  | STREET CROSSINGS       | 1                               | FT<br>  TN           | с<br>                | i<br>I C        | S               | i c<br>I   |                           |                | 0.1                     |            |
| I-N                     | XING/S                                 |   | TRAFFIC COND. (XING LA  | NE) STREET REPAIR      | i 1                             | ] FŤ                 |                      | Ì               | s               | ( C        | L                         | TC4            | i 0.1                   |            |
| I-N[                    | ILN/S/S                                | l l                                     | LANE CLOSURE URBAN ST   | (STREET RÉPAIR)        |                                 | EA                   | i C                  | i               | S               | i c        |                           | TC4            | •                       |            |
| I-N                     |  |   | TC-LANE CLOSURE URBAN   | STREET                 | , 1<br>1                        |                      |                      |                 |                 |            | •                         |                | i 1.0                   |            |
| WORK FAC<br>FUNC CODE   |  |   | EXIST TAG NEW TAG   |                        |                                 |                      | CONS                 | TRUC            | TION            | NOT        | ES                        |                |                         |            |
|                         |  |   |   | S                      | EE SHT 5                        |                      |                      | <b>_</b>        |                 |            |                           |                |                         |            |

|                     |                    |              |                         |          |        | NAME: ROLA              |       |                |                    |                    |            |          |            |       |          | R: 2960700   |
|---------------------|--------------------|--------------|-------------------------|----------|--------|-------------------------|-------|----------------|--------------------|--------------------|------------|----------|------------|-------|----------|--------------|
| SIGN: 01            | NAME               | ROLAND       | D BLK 7G2               | T&C JOE  | 31     |                         | STAT  | JS: ACT        |                    |                    |            |          |            |       |          |              |
| CATION: 5           | 24 SHEI            | ET: 01       |                         | CM E     |        | ED BY: GEO              |       |                |                    |                    |            | PHO      | NE: 999-9  | 999   | LOCATIO  | N 524 OF 587 |
| RŔ <br>-C MU ID     | <br> AU ID         | <br> STOCK#  | E                       | ESCRIPTI |        | NSTRUCTION              | NOTES | I QTY<br>I RQD | <br> UM            | WRK   M<br>RSP   R | SPITRT     | TRT      |            | TYPE  | HOURS [  |              |
| i.                  | 330926<br>         | [<br>162690[ | HAND HO<br>QUAZI        | LE 3309. | 2 37"  | X 26" X 26              |       | 1              | 1   EA             | I                  | is<br>ci   | , с<br>Г | 13309.2    | 3SWF3 | i 0.81   |              |
| -N                  | X09H26<br>         | 1626901      | instali<br>Quazi        |          |        | EMOVE<br>"26"           |       | 1              | 1   EA  <br>1   EA | C 1<br>1           | 1 S<br>C 1 | C<br>    | 3309.2<br> | ì     | 0.8 <br> |              |
|                     | 1-3slb<br> <br>    | 3220481      | 1-3 IN<br>BEND<br>SLUBB | CONDUIT  | DB 3   | R BEND SL<br>IN 90 D 36 |       | 1              | 3 EA <br>3 EA      | C ]<br>1           |            | C<br>    | 3373.2<br> | Ì     | 0.2      |              |
| i                   | '<br> <br>  9LANTU |              |                         |          |        | CAPING                  |       | I.             | 1 1                | 1                  | <br>  S    | I .      | 1          | Ì     | f I      |              |
| ORK FAC<br>UNC CODE |                    |              |                         |          |        |                         |       |                | ~                  | ONSTR              | UCTION     | 100      |            |       |          |              |
|                     |                    |              | EXISI                   | TAG      | NEW T. | AG                      |       | SEE SHT        |                    | 0110 111           | 001100     | NO1.     | ES         |       |          |              |
|                     |                    |              |                         |          |        | AG                      |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
| ·                   |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |
|                     |                    |              |                         |          |        |                         |       |                | 5                  |                    |            |          |            |       |          |              |

|                   |                 |                       | DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 76  |                   | 1          |                   |                  |                   |            | STATIS . AC     | т wот                     | SK ORDE                 | B: 2960700  |
|-------------------|-----------------|-----------------------|--|-------------------|------------|-------------------|------------------|-------------------|------------|-----------------|---------------------------|-------------------------|-------------|
|                   |                 | ·                     |  |                   |            |                   |                  |                   |            |                 |                           |                         |             |
|                   |                 |                       | O BLK 7G2 T&C JOB 1 STAT   |                   |            |                   |                  |                   |            |                 |                           |                         | N 525 OF 58 |
| OCATIÓN: 5        | 25 SHEI         | ST: 01                | DISTRICT: CM DESIGNED BY: GEORGE BONNEB  | {<br><b></b>      |            |                   |                  |                   |            |                 |                           |                         |             |
| WRK <br>F-C[MU ID | AU ID           | STOCK#                | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD      | <br> UM    | WRK<br>  RSP<br>+ | MAT<br> RSP<br>+ | TIM <br> TRT <br> | ACC<br>TRT | STANDARD        | [CREW<br> TYPE<br>+       | EST  <br> HOURS <br>+   |             |
| I-NI              | 3'HD-A          |                       | HAND DIG TRENCH 3 FT DEEP AVE  | 47                | FT         | 1 C               | 1                | I S I             | С          | G7453<br>       | 13-WF3                    | 17.4                    |             |
| I-NI              | 1               |                       | BACKFILL TRENCH 3 FOOT DEEP  | 47<br>            | FT<br>     | C<br>             | 1<br>1<br>1      | S  <br>           | С          | 1               | 3-WF3<br>  C-BC           | 0.7                     |             |
| T-N               | SHD-12<br>      | <br> <br> 611492 <br> | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 47                | FT<br>  TN | 1 C<br>1          | l c              | S  <br>           | ¢          | G7405<br> <br>  | 3-WF3<br>  C-BH<br>  C-DT | 0.1 <br>  0.1 <br>  0.1 |             |
| I-N <br>1         | [               | 249664                | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 47<br>  47        | FT<br>  FT | C<br>             | 1<br>1 C         | S                 | ¢          | 3373.1<br>      | 3-WF3                     | l l                     |             |
| I-N               | R-XCES          | X30007                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 47<br>I 5       | FT         | C<br>             | c                | SI                | С          | [               | C-DT                      | 1.2                     |             |
| <br>I-N           | PLANTU          |                       | REMOVE/REPLACE LANDSCAPING   | 47                | ĒT         | I C               | Î.               | I S               | С          | i               | -                         | 4.7                     |             |
| ן<br>1 – א        | <br> AS-2CT     | 1 1                   | ASPHALT 2 SAW CUT AND BREAK MECH   | 35                | FT         | i C               | 1                | 5                 | С          | İ               | •                         | 0.9                     |             |
| I-N <br>          | i               | <br> 114201           | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | i 35              | FT<br>  TN | i c<br>I          | i<br>I C         | S                 | с          | <br> -          | C-BC                      | [ 0.9]<br>[ 0.9]        |             |
| 1-N[              | SAW-CC          |                       | SAW CUT CONCRETE   | i 10              | FT         | ic                | i                | s                 | C          | 1               | I SR-3C                   | 1 1.5                   |             |
| <br>1-N <br>1     | 1               | <br> 248205           | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | D   1<br>  1      | EA<br> CY  | i C               | l<br>I C         | S                 | C<br>      | L               | SR3CS                     | 1.0                     |             |
| I-N <br> <br>     | BH03XH<br> <br> | X20201 <br> 114215    | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 52<br>  39<br>  1 | I FT       | 1 C<br> <br>      | 1<br>  C<br>  C  | S                 |            | G7453<br> <br>  | C-BH                      | 2.1 <br>  4.2           |             |
| I-NI              | REM-3'          | X30007                | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | j 52              | FT         | ic                | i                | i s               | i c        | i               |                           | 4.6                     |             |
| 1<br>I-N]         | SLR-18          | 656400                | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 156               | IFT<br>ICY | 1 C               | c                | S<br> <br>        | C<br>[     | G7409<br>       |                           | l 1                     |             |
| I-N <br> <br>     | 1EB3SL<br> <br> | 249664<br>[656400     | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 52<br>  52<br>  1 | IFT<br>IFT | ) C<br> <br>      | c<br>c           | S                 | 1 C<br>1   | 3376.1<br> <br> | 3-WF3                     | 0.7                     |             |
| I-N <br>1         | 1-3SLB          | 1322048               | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | LICY       | i c<br>           | C<br>  C         | S                 | C<br> <br> | 3373.2<br> <br> | 3-WF3                     | 0.1                     |             |
| I-N               | <br> LN-S/U     |                       | TC-LANE CLOSURE URBAN STREET   |                   | EA         | , C               |                  | <br>  S           | C          | I               | TC3                       | 1 1.0                   |             |

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| DP001EM2-LOCAL40-001<br>09/05/17 11:36    | SAN DIEGO GAS AND EL<br>DPSS - DESIGN REVIEW COP |  |                                       | PAGE NO 607         |
|---|--|--|---------------------------------------|---------------------|
| PROJECT: 253568 JOB:01                    | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1          | Lec Job 1                                    | STATUS: ACT W                         | ORK ORDER: 2960700  |
| DESIGN: 01 NAME: ROLANI                   |  | ACT  |                                       |                     |
|   | DISTRICT: CM DESIGNED BY: GEORGE BONNER          |  | PHONE: 999-9999                       | LOCATION 525 OF 587 |
| WRK         <br> F-C MU ID  AU ID  STOCK# |  | QTY    WRK MAT TIM <br>  RQD  UM RSP RSP TRT | ACC STANDARD [CREW<br>TRT  PAGE [TYPE | EST  <br> HOURS     |
|   | LANE CLOSURE URBAN ST (STREET REPAIR)            | 1 EA  C     S                                | C   ITC4                              | 1.0[                |
| WORK FAC                                  | EXIST TAG NEW TAG                                | CONSTRUCTION                                 |                                       |                     |
|   |  | : SHT 8                                      |                                       |                     |
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|   |  |  |                                       |                     |
|   |  |  |                                       |                     |

| 0.TECT • 25             | 3568         | TOB-01                       | BEV-0                   | TYPE: UD                                 | NAME: ROLAI                                  | NDO BLK 7G2 - | C&C JOB                               | 1                       |                      |                     |                  | 5      | STATUS: AC       | T WOR         | RK ORDE                    | R: 2960  | 1700 |
|-------------------------|--------------|------------------------------|-------------------------|--|--|---------------|---------------------------------------|-------------------------|----------------------|---------------------|------------------|--------|------------------|---------------|----------------------------|----------|------|
|                         |              |                              |                         |  |  | STATUS:       |                                       |                         |                      |                     |                  |        |                  |               |                            |          |      |
|                         |              |                              |                         |  | GNED BY: GEO                                 |               |                                       |                         |                      |                     |                  | PHON   | VE: 999-99       | 199 1         | LOCATIO                    | N 526 C  | )F 5 |
| NRK <br>F-C MU ID       | <br> AU ID   | <br> STOCK#                  | D                       | ESCRIPTION/                              | CONSTRUCTION                                 |               | I QTY                                 | <br>IUMI                | WRK                  | MAT                 | TIM <br>TRT1     | ACC    | STANDARD<br>PAGE | TYPE          | HOURS                      |          |      |
| I-N                     | AS-2CT       | I I                          | ASPHALT                 | 2 SAW CUT                                | AND BREAK                                    | MECH          | 238                                   | FT                      | C                    | 1 :                 | \$               | ¢      |                  | SR3AS         | 6.2                        |          |      |
| I−N¦                    | i            | <br> 114201                  | ASPHA                   | BASE MEC<br>LT (BASE)                    | H 24 IN                                      |               | 238<br>  9                            | FT                      | i c                  |                     | ទ                |        |                  |               | 6.4                        |          |      |
| <br> -N <br> <br>       | BH04XH       | X20201                       | MACH DI<br>TRAFF        | G TRENCH 4<br>IC BEARING<br>LT, COLD MI  | STEEL PLATE                                  | KHOE          | 252                                   | EA<br>  TN              |                      | L C                 |                  |        | G7453<br>        | C-BC<br> C-BH | 12.6 <br>  12.6 <br>  25.2 |          |      |
| L-N  <br>[              | REM-4 '      | X30007                       | TRENCH<br>DUMPI         | SPOIL 4 FT<br>NG FEE                     | DEPTH  |               | <br>  252<br>  86                     |                         | i c                  | <br>  C             |                  | с      |                  |               | 30.21                      |          |      |
| [-N]                    | SLR-24       |                              | BACKFII                 | L SLURRY 24<br>Y MIX, 1 SA               |  | 2 IN DEEP     | 756<br>  57                           | CY                      | 1                    | i c                 | i i              |        |                  | 3-WF3         | 2.3                        |          |      |
| I-N <br> <br> <br> <br> | 1            | 248201 <br>249664 <br>663528 | CONCR<br>CONDU<br>SPACE | JIT DB 3 IN                              | K (GRAVEL MI<br>20 FT LENGTH<br>ATE 5 IN 2-W |               | i 238<br>[ 5<br>  238<br>  40<br>  40 | FT<br> CY<br> FT<br> EA | C<br> <br> <br> <br> | 1<br>  C C C<br>  C | S  <br>     <br> |        | 3376.1<br>[<br>[ | 3-WF3         | 3.31<br>[<br>]<br>]        |          |      |
| I-N  <br>               | 1            | 13220481                     | BEND                    | DB 90 D 36<br>CONDUIT DB<br>XY MIX, 1 SA | IN R BEND SL<br>3 IN 90 D 36<br>CK SAND      |               | 2<br>  2<br>  1                       | i EA<br>I EA<br>I CY    | י<br>ן כ<br>ן        | с<br>С              | S<br> <br>       | l      |                  | 3-WF3<br>     |                            |          |      |
| 1-N                     | iln-s/u      |                              | TC-LANE                 | CLOSURE UR                               | BAN STREET                                   |               | 1 1                                   | EA                      | C<br>  C             |                     | ŝ                | C      | 1<br>[<br>1      | TC3           | 1 1.0                      |          |      |
| <br>I−N                 | LN/S/S       |                              | LANE CI                 | LOSURE URBAN                             | ST (STREET                                   | REPAIR)       | i 1                                   |                         | i c                  |                     | S                | ,<br>C | 1                | TC4           | 1.0                        | <u> </u> |      |
| I<br>I-N                | <br>  plantu | <br>                         | REMOVE/                 | REPLACE LAN                              | DSCAPING                                     |               |                                       |                         | 1<br>1 C             | 1                   | [ \$             | C      |                  | 3-WF3         | 1.0                        |          |      |

FUNC CODE DESC

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## CONSTRUCTION NOTES

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Block 7G2 UUP Attachment E – Technical Specifications

|                  |                  |                          | REV:0 TYPE: UD NAME:  |                |           |                                  |   |          |         | 1   | STATUS: AC     | T WOE                            | K ORDE              | R: 2960700  |
|------------------|------------------|--------------------------|---|----------------|-----------|----------------------------------|---|----------|---------|-----|----------------|----------------------------------|---------------------|-------------|
|                  |                  |                          | O BLK 7G2 T&C JOB 1   | STATUS         |           |                                  |   |          |         |     |                |                                  |                     |             |
| CATION: 5        | 27 SHE           | ET: 01                   | DISTRICT: CM DESIGNED BY:   | GEORGE BONNER  |           |                                  |   |          |         | PHO | NE; 999-99     | 99 1                             |                     | N 527 OF 58 |
| F-C MU ID        |                  |                          | DESCRIPTION/CONSTRUC  | CTION NOTES    |           |                                  |   |          | TRT     | TRT | STANDARD       | CREW  <br> TYPE                  | EST  <br>HOURS      |             |
| I-N              | 3'HD-A           | · ·                      | HAND DIG TRENCH 3 FT DEER   | P AVE          | •         |                                  | C |          | s       | с   | [G7453         | 13-WF3                           | 6.3                 |             |
| I-N <br>         | BKF-3 '<br>      | <br> <br>                | BACKFILL TRENCH 3 FOOT DEF  | CP             | 16        |                                  |   |          | S       | с   | -<br> -<br>    | <br> 3-WF3 <br> C-BC             | 0.2                 |             |
| I-N <br> <br>    |                  | <br> 611492 <br>         | SHADE TRENCH WITH SAND - 1<br>SAND, FILL RECYCLED MAI                             |                | í 1       | FT  <br>  TN                     |   | с        | S       | С   | G7405<br> <br> | <br> 3-WF3 <br> C-BH  <br> C-DT  | 1                   |             |
| I-N <br>         | 1DB3-S<br>       |                          | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LE                                 | ENGTH          | 16        | FT <br> FT                       |   | С        |         | с   | 3373.1         | <br> 3-WF3 <br>                  | 0.2                 |             |
|                  | R-XCES           | 1                        | EXCESS TRENCH SPOIL (12 )<br>DUMPING FEE  | IN DEEP)       | 16<br>  2 | CY                               |   | с        |         | ¢   | l              | IC-DT                            |                     |             |
| I-N              | <br>  PLANTU<br> | i i                      | REMOVE/REPLACE LANDSCAPING  | 3              |           | <br> FT                          |   |          |         | с   |                | (3-WF3)                          | - • • •             |             |
| I-N<br>I         | BH03XH<br> <br>  | (<br> X20201 <br> 114215 | MACH DIG TRENCH 3 FT DEEH<br>TRAFFIC BEARING STEEL PI<br>ASPHALT, COLD MIX        |                | 6<br>  1  | FT  <br>  EA  <br>  TN           |   | c  <br>c | S  <br> |     | G7453<br>      | <br> C-BC  <br> C-BH  <br> 3SWF4 | 0.3 <br>0.3 <br>0.6 |             |
| <br> -N <br>     | REM-3 '          |                          | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |                | 8         | <br> FT <br> CY <br>             |   | с        | S       | с   |                | [C-DT  <br>  C-DT                | 0.7                 |             |
| I-N <br> <br>    | SLR-18           | i i                      | BACKFILL SLURRY 18 IN WIDE<br>SLÜRRY MIX, 1 SACK SAND                             | E X 12 IN DEEP | 24<br>  2 |                                  |   | с        | S  <br> | с   | G7409          | 3-WF3 <br>                       | <br>                |             |
| I-N <br> <br>    | 1EB3SL<br> <br>  | <br> 249664 <br> 656400  | 1-3 IN EB CONDUIT SLURRY E<br>CONDUIT DB 3 IN 20 FT LE<br>SLURRY MIX, 1 SACK SAND | INGTH          | 8<br>  8  | •                                |   | C<br>C   | S  <br> | С   | 3376.1         | 3-WF3 <br>                       | 0.1                 |             |
| I<br>N <br> <br> | 1-3\$L8<br> <br> | 321878 <br> 656400       | 1-3 IN DB 45 D 36 IN R BEN<br>BEND CONDUIT DB 3 IN 45<br>SLURRY MIX, 1 SACK SAND  |                | 1         | EA  <br>  EA  <br>  EA  <br>  CY |   |          | S  <br> | -   | 3373.2         | 3-WF3 <br>                       |                     |             |
|                  | LN-S/U           |                          | TC-LANE CLOSURE URBAN STRE  | CET            | • -       |                                  |   |          |         |     | I              | 1 TC3                            | 1.0                 |             |
|                  | <br> LN/S/S      |                          | LANE CLOSURE URBAN ST (STR  | RET REPAIR)    | •         | <br> EA]                         |   |          | <br>  S |     |                | 1  <br>1TC4                      |                     |             |

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| OJECT: 25         | 3569            | TOB+01           | REV:0 TYPE: UD NAME: ROLANDO BI   | SK 7G2 -T&C JOB | 1                |       |                 |     |             |                   |                           |                            | R: 2960700   |
|-------------------|-----------------|------------------|---|-----------------|------------------|-------|-----------------|-----|-------------|-------------------|---------------------------|----------------------------|--------------|
| SIGN: 01          | NAME :          | ROLAND           | O BLK 7G2 T&C JOB 1   | STATUS: ACT     |                  |       |                 |     |             |                   |                           |                            | ·            |
|                   |                 | ST: 01           | DISTRICT: CM DESIGNED BY: GEORGE BO   |                 |                  |       |                 |     | PHO         | TE: 999-99        | 99                        | LOCATIO                    | ON 528 OF 58 |
|                   | AU ID           | <br> STOCK#      | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>5   RQD  | UM               | RSP   | RSP             | TRT | TRT         | STANDARD<br>PAGE  | TYPE                      | HOURS                      |              |
|                   | 13'HD-A         | I I              | HAND DIG TRENCH 3 FT DEEP AVE   | 17              | FT               | с     | 1               | S   | С           | G7453             | 3-WF3                     | 6.61                       |              |
| -N [              | <br> BKF3'<br>  | i i              | BACKFILL TRENCH 3 FOOT DEEP   | •               | FT               |       | i               | S   | c           | 1                 | 3-WF3<br>  C-BC           | 31 0.3 <br>  0.3           | -            |
| :-N1<br>1         | -               |                  | SHADE TRENCH WITH SAND - 12 INCH WI<br>SAND, FILL RECYCLED MATLS PREFFE               | RED   1         | FT<br>TN         |       | C 1             |     | Ċ           | G7405<br>         | C-BH<br>  C-DT            | B  0.1 <br>  0.1 <br>  0.1 |              |
| -N                | 1               | <br> 249664      | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                 | i 17            | )<br> FT<br> FT  | ici   | c I             | S   | C<br>       | 3373.1            | <br> 3-WF:<br> <br>       | 31 0.3                     |              |
|                   | 1               | <br> 321878      | 1-3 IN DB 45 D 36 IN R BEND SEC<br>BEND CONDUIT DB 3 IN 45 D 36 IN R                  |                 | EA<br>  EA       |       | С               | S   | i c         | 3373.2            | 3-WF3                     | 3 i i<br>                  |              |
| I-N <br>          | R-XCES          | X30007           | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                                       | · -             | IFT<br>ICY       | c     | с               |     | C<br>       | i<br>I            | C∽DT                      | [ 0.4]                     |              |
| I-NI              | ]<br> CC+2CT    |                  | CONCRETE 2 SAW CUT AND BREAK MECH   |                 | FT               |       |                 | ls  | i c         | 1                 | SR3A                      | si 0.7                     |              |
| <br>I-N           | <br> CF-H12     | 1 1              | FINISH CONCRETE SURFACE MAN 12 IN   | 1               |                  | C     |                 | S   | i c         | i                 | ;<br>  SR3C;<br>          | si 0.1                     | •            |
| <br>I-N <br> <br> |                 | <br> X20201      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX | i 7<br>I 1      | EA<br>  TN       | i I   | <b>c</b><br>  c | S   | i c<br>I    | G7453<br>[        | C-BC<br>  C-BH<br>  3\$WF | 0.4<br>0.4<br>4:0.7        | 1            |
| ן<br>באו<br>ז     | REM-3'          | X30007           | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | j s             | <br> FT<br> CY   | ic    | <br> <br>  C    |     | <br>  C<br> | 1                 | [<br> C-DT<br>            |                            | · _ · _      |
| [-N <br>          | SLR-18          | 656400           | BACKFILL SLURRY 18 IN WIDE X 12 IN<br>SLURRY MIX, 1 SACK SAND                         | · · · ·         | IFT<br>ICY       | C<br> | 1<br>1 C        |     |             | G7409             | 3-WF                      | 3 0.1                      | <br> <br>    |
| I-N (<br> <br>    | 1EB3SL<br> <br> | 249664<br>656400 | 1-3 IN EB CONDUIT SLURRY ENCASED  | 1 9             | FT<br> FT<br> CY | E .   | <br>  C<br>  C  | l I | C           | ,3376.1<br>1<br>1 | 3-WF                      |                            |              |
| <br> -N           | LN-S/U          | 1                | TC-LANE CLOSURE URBAN STREET  | 1               |                  | .  C  | <br>            | S   | i c         | 1                 |                           | 1.0                        |              |
| <br>I-N           | <br> LN/S/S     | 4                | LANE CLOSURE URBAN ST (STREET REPAI   |                 | <br> EA          |       |                 | S   |             |                   |                           | 1.0                        |              |

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|                    | 01 | NAME           | : ROLANI      | DO BLK 7 | 7G2 T&C | JOB 1   |         |                    |    | 17US: A |       |           |      |        |      |       |         |        |     |                  |       |                                       |
| LOCATIC            |    |                | ET: 01        |          |         |         | GNED BY | : GEORG            |    | R       |       |           |      |        |      | PHONE | C: 999- | -99999 | 3   | LOCATIC          | N 529 | OF 587                                |
|                    |    |                | ]<br>  STOCK# |          | DESCR   | IPTION/ | CONSTRU | UCTION N           |    |         | QT⊻   |           |      | MAT    | [TIM | ACC   | TANDAF  |        |     | EST  <br>  HOURS |       |                                       |
| i<br>I             |    | <br>           | 1             |          | DESIGN  | UNITS P | OR THIS | LOCATI             | ON |         | [     | <br> <br> | 1    | [<br>[ | [    |       |         |        |     |                  |       |                                       |
| WORK<br>FUNC       |    |                |               | EXI      | IST TAG | NEW     | TAG     |                    |    |         |       |           | CONS | TRUC   | TION | NOTES | 3       |        |     |                  |       |                                       |
|                    |    |                |               |          | •       |         |         |                    |    | SEE     | SHT 8 |           |      |        |      |       |         |        |     |                  |       |                                       |
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| PROJECT: 25                |               |              |              | TYPE       | : UD    | NAME:    | ROLAND       | 0 BLK 7              | 52 <b>-</b> 1 | &C JOE | 1 |      |        |          |        | TATUS: A         | ct wa | ORK ORD | ER: 296  | 0700    |
| DESIGN: 01                 | NAME          | : ROLANI     | DO BLK 7G    | 2 тес с    | JOB 1   |          |              | STA                  | TUS:          | ACT    |   |      |        |          |        |                  |       |         |          |         |
| LOCATION: 5                |               | ET: 01       | DISTRICT     | : CM       |         |          | : GEORG      | E BONNE              | R             |        |   |      |        |          |        | E: 999-9         |       |         | ON 530   | OF 587  |
| WRK <br> F-C MU ID         | AU ID         | <br>  stock# |              |            | PTION/C | CONSTRU  | CTION N      |                      |               | QTY    | ł | WRK  | MAT I  | 'IŃ .    | ACC    | STANDARD<br>PAGE | CREW  | EST     |          |         |
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| WORK FAC<br>FUNC CODE      |               |              | EXIS         | T TAG      | NEW     | TAG      |              |                      | SEE           | SHT 4  |   | CONS | TRUCTI | ON       | NOTE   | s                |       |         |          |         |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36                   | SAN DIEGO GAS AND EL<br>DESS - DESIGN REVIEW COP |       | TAIL                   |            |           |   | PA       | GE NO 613  | _ |
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| PROJECT: 253568 JOB:01 REV:0 TYPE: UD 1                  |  |       |                        |            | ATUS: ACI |   | RK ORDER | 2960700    | _ |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1               | STATUS:  | ACT   |                        |            |           |   |          |            |   |
|  | ID BY: GEORGE BONNER                             |       |                        | PHONE      | : 999-999 | 9 | LOCATION | 531 OF 587 | 7 |
| WRK    ]  <br> F-C MU ID  AU ID  STOCK#  DESCRIPTION/CON | ISTRUCTION NOTES                                 |       | WRK MAT<br> UM RSP RSP |            |           |   |          |            | _ |
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| PROJECT: 253568 JOB:01 REV:0 TYPE: UD        | NAME: ROLANDO BLK 7G2                       | -T&C JOB 1   |              | STATUS: AC                 |         |             |          |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1   | STATUS                                      | : ACT        |              |                            |         |             |          |
|  | NED BY: GEORGE BONNER                       |              |              | PHONE: 999-99              | 999 LO  | CATION 53   | 2 OF 587 |
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| SIGN: 01     NAME: ROLANDO BLK 7G2 T&C JOB 1     STATUS: ACT       CATION: 533     SHEET: 01     DISTRICT: CM     DESIGNED BY: GEORGE BONNER     PHONE: 999-9999     LOCATION 533 OF 587       KK     I     I     I     I     ICATION: 533 OF 587     PHONE: 999-9999     LOCATION 533 OF 587       KK     I     I     I     ICATION/CONSTRUCTION NOTES     IQTY     IWRKIMATITIM ACCISTANDARD     ICREW     EST       -NI     I330926     IHAND HOLE 3309.2 37"X 26" X 26"     ILEAI     ILEAI     I     I     I       -NI     I362690     QUALITE BOX 37"X 26" 26"     ILEAI     ILEAI     I     I     I     I       -NI     IX09H261     INSTALL EXCAVATION/REMOVE     ILEAI     ILEAI       | DJECT: 25 |              | JOB:01             | REV:0      |                       | UD N           | AME: ROLANDO                          | D BLK 7G2 -1 | r€C JOB    |                   |         |        |                                       |            |              |         | ER: 2960  |         |
|---|-----------|--------------|--------------------|------------|-----------------------|----------------|---------------------------------------|--------------|------------|-------------------|---------|--------|---------------------------------------|------------|--------------|---------|-----------|---------|
| CATION: 533 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER     PHONE: 999-9999 LOCATION 533 OF 587       RK      I     I     I     I       -CIMU ID IAU ID ISTOCK#I     DESCRIPTION/CONSTRUCTION NOTES     I QTY I WRK!MATITIMIACCISTANDARD ICREW IEST I       -NI     I3309261     HAND HOLE 3309.2 37"X 26" X 26"     I RQD IUMIRSPIRSPITETITETI PAGE ITYPE [HOURS]       -NI     I1626901     QUAZITE BOX 37"X26"26"     I 1EAI C I I I     I I       -NI     IX09H261     INSTALL EXCAVATION/REMOVE     I 1EAI C I I I     I I       -NI     I1626901     QUAZITE BOX 37"X26"26"     I 1EAI C I I IIIIIIIIIIIIIIIIIIIIIIIIIIIIII   | SIGN: 01  | NAME :       |                    | O BLK 7    | G2 T&C J              |                |                                       |              |            |                   |         |        |                                       |            |              |         |           |         |
| RKI       | CATION: 5 | 33 SHEE      | ET: 01             | DISTRIC    | T: CM                 | DESIGNE        | D BY: GEORGE                          | E BONNER     |            |                   |         |        | PHON                                  | E: 999-9   | 9999         | LOCATIO | ON 533 OI | 587     |
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| I-N     X09H261     INSTALL EXCAVATION/REMOVE     1  EA      C   S   C   3309.2     3SWF3      0.8       I-N     1626901     QUALITE BOX 37"X26"26"     1  EA      C   S   C   3373.2     3-WF3      0.2       I-N     1-3SLB     1-3 IN DB 90 D 36 IN R BEND SLURRY ENC     4  EA      C   S   C   3373.2     3-WF3      0.2       I-N     13220481     BEND CONDUIT DB 3 IN 90 D 36 IN R     4  EA      C   S   C       3773.2     3-WF3      0.2       I-N     16564001     SLURRY MIX, 1 SACK SAND     1  CY      C   S   C       1   S   S   C       1   S   S   S   S   S   S   | ÷<br>[—N  | 330926       | <b></b> -          | HAND       | HOLE 330              | 9.2 37"X       | 26" X 26"                             | <b></b>      | -+<br>( 1  | ++<br> EA  C      | +4      | +<br>s | с (                                   | <br>3309.2 | -+<br> 35WF3 | (       | +         |         |
| I-NI     I-3 IN DB 90 D 36 IN R BEND SLURRY ENC     I </td <td> <br/>[-N </td> <td> <br/>  X09H26</td> <td></td> <td>INSTA</td> <td>LL EXCAV</td> <td>ATION/RE</td> <td>MOVE</td> <td></td> <td>1</td> <td>  ]<br/> EA  C</td> <td></td> <td>5  </td> <td>c i</td> <td>3309.2</td> <td>I<br/>3SWF3</td> <td>0.8</td> <td>[<br/>]</td> <td></td>   | <br>[-N   | <br>  X09H26 |                    | INSTA      | LL EXCAV              | ATION/RE       | MOVE                                  |              | 1          | ]<br> EA  C       |         | 5      | c i                                   | 3309.2     | I<br>3SWF3   | 0.8     | [<br>]    |         |
| I     13220481     BEND CONDUIT DE 3 IN 90 D 36 IN R     I     4  EA      C I     I     I       I     16564001     SLURRY MIX, 1 SACK SAND     I     1  CY1     C I     I     I       I     16564001     SLURRY MIX, 1 SACK SAND     I     1  CY1     C I     I     I       I     1     I     I     I     I     I     I     I       I-NI     IPLANTUI     REMOVE/REPLACE LANDSCAPING     I     I  FTI C I     I S   C I     I 3-WF3   0.1       WORK     FAC     FAC     CONSTRUCTION NOTES     SEE SHT 9     SEE SHT 9   | <br>L – N | <br> 1-3\$LB |                    | 1-3 I      | N DB 90 1             | D 36 IN        | R BEND SLUR                           | RY ENC       | [<br>[ 4]  | <br> EA.] C       |         | 5      | C                                     | 3373.2     | 1            |         | 1         |         |
| I-NI IPLANTUI I REMOVE/REPLACE LANDSCAPING I LIFTICIISICI IS-WF3 0.1  |           |              | 322048 <br> 656400 | BEN<br>SLU | D CÓNDUI'<br>RRY MIX, | IDB3I<br>1SACK | N 90 D 36 IN<br>SAND                  | NR           | [ 4<br>[ 1 | EA]<br> CY]       |         |        |                                       |            | 1            |         | l         |         |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES<br>SEE SHT 9  |           |              |                    | REMOV      | E/REPLACI             | E LANDSC       | APING                                 |              | í 1        | IFTI C            |         | s      | сİ                                    |            | 3-WF3        | 0.1     | I         |         |
|   |           |              |                    |            |                       |                |                                       |              |            | CON               | NSTRUCT | ION    | NOTE                                  | s          |              |         |           |         |
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| OJECT: 2           | 53568       | JOB:01                              | REV:0                   | TYPE: UD   | NAME :                          | ROLANDO E         | SLK 7G2 −T& | C JOB               | 1                          |            |                |              | -                      | TATUS: AC            | T WOI                       | K ORDE                      | R: 2960700 |
|--------------------|-------------|-------------------------------------|-------------------------|--|---------------------------------|-------------------|-------------|---------------------|----------------------------|------------|----------------|--------------|------------------------|----------------------|-----------------------------|-----------------------------|------------|
| SIGN: 01           |             | ROLAND                              | D BLK 762               | T&C JOB 1  |                                 |                   | STATUS: A   |                     |                            |            |                |              |                        |                      |                             |                             |            |
|                    |             | ET: 01                              | DISTRICT:               | CM DESI  | GNED BY                         | GEORGE E          |             | /_                  |                            |            |                |              | PHOI                   | Æ: 999–99            | 99 3                        | OCATIO                      | N 534 OF 5 |
| ושמו               | 1           |                                     |                         | ESCRIPTION/  |                                 |                   | s I         | QTY<br>RQD          | 1  <br> UM                 | WRK<br>RSP | MAT<br>RSP     | TIM <br> TRT | ACC<br>TRT             | STANDARD<br>PAGE     | CREW                        | EST  <br> HOURS             |            |
| +<br>[N            | AS-2CT      | 1                                   | ASPHALT                 | 2 SAW CUI  | AND BRI                         | сак месн          |             | 110                 |                            | С          | ·              | S            | C                      |                      | I SR3AS                     | 2.9                         |            |
| -N]                | 1           | i i                                 |                         | : BASE MEC<br>LT (BASE)  | CH 18 II                        | N                 |             | 110<br>12           | <br> FT <br> TN            | -          |                | s            |                        |                      |                             | 3.0 <br>3.0                 |            |
| -n!<br>[           | 1           | X20201 <br> 114215                  | TRAFF<br>ASPHA          | G TRÈNCH 3<br>TIC BEARING<br>ALT, COLD MI                              | STEEL P                         | P BACKHOE<br>LATE |             | 120<br>90<br>2      | EA <br> TN                 |            | <br>  C<br>  C | i            | ( C<br>]               | ]                    | C-BC<br> C-BH<br> 3SWF4<br> | 4.8<br>4.8<br>9.6           |            |
| -N!                | REM-3'      |                                     | TRENCH<br>DÚMPI         | SPOIL 3 F1<br>NG FEE   | t depth                         |                   |             | 120<br>30           | CY                         | С          |                |              | C                      |                      |                             |                             | ,          |
| -N <br>            | Ì           | 656400                              |                         | L SLURRY 18<br>Y MIX, 1 SP   |                                 |                   | DEEP        |                     | <br> FT <br> CY            | С          |                | S            |                        | <br> G7409<br>       | 3-WF3<br>                   | 0.71                        |            |
| [-N <br> <br> <br> | <br> <br>   | <br> 248201 <br> 249664 <br> 663528 | CONCR<br>CONDU<br>SPACE | EB CONDUIT<br>RETE - 2 SAG<br>JIT DB 3 IN<br>CR INTERMED<br>BASE SPACE | CK (GRAV<br>20 FT L<br>IATE 5 I | EL MIX)<br>ENGTH  |             | 120<br>  21<br>  21 | CY <br> FT <br> EA <br> EA |            |                | <br> <br>    | 1<br>  ¢<br> <br> <br> | 3376.1<br> <br> <br> | 3-WF3                       | 1 1.7 <br>  1.7 <br>   <br> |            |
| -N                 | i i i i     | 322048                              | BEND                    | DB 90 D 36<br>CONDUIT DB<br>XY MIX, 1 SA                               | 3 IN 90                         | D 36 IN 1         |             | 2<br>  2<br>  1     | EA  <br>  CY               | C          | C              | S<br> <br>   | 1                      | 3373.2               | 3-WF3                       |                             |            |
| <br>               | <br> LN-S/U | 1 1<br>1 1                          | TC-LANE                 | CLOSURE UN   | rban str                        | EET               |             | <br>  1             | i<br>Iea                   |            | 1              | S            | c                      |                      | TC3                         | 1.0                         |            |
|                    | <br> LN/S/S |                                     | LANE CI                 | JOSURE URBAI   | N ST (ST                        | REET REPA         | IR)         | 1                   | IEA                        | c          | 1              | s            | c                      | ļ                    | TC4                         | 1.01                        |            |
| -N                 | PLANTU      |                                     | REMOVE/                 | REPLACE LA   | NDSCAPIN                        | G                 |             | <br>  10            | <br>  FT                   | 1<br>[ C   |                | <br>  S      | 1 C                    | [<br>                | <br> 3-WF3                  | 1.0                         |            |

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| DIECT - 25      |             |            |                        |                     |                  |                 |                     | .K 7G2 -T( |                        |            |         |                                       |                                       |         |                  | CT WO     |         | ER: 2960700  |
|-----------------|-------------|------------|------------------------|---------------------|------------------|-----------------|---------------------|------------|------------------------|------------|---------|---------------------------------------|---------------------------------------|---------|------------------|-----------|---------|--------------|
|                 |             |            |                        |                     |                  |                 |                     |            |                        |            |         |                                       |                                       |         |                  |           |         | ER: 2960700  |
| SIGN: 01        |             |            |                        |                     |                  |                 |                     | STATUS: 1  |                        |            |         |                                       |                                       |         |                  | <b></b>   |         |              |
| CATION: 5       | 35 SHEE     |            |                        |                     |                  |                 |                     | NNER       |                        |            |         |                                       |                                       | PHON    | VE: 999-9        | 999       | LOCATIO | ON 535 OF 58 |
| RKI<br>-CIMU ID | AU ID       | STOCK#     |                        |                     |                  |                 | ION NOTES           | 5          | RQD                    | IUM   3    | RSP     | RSP                                   | TRT                                   | TRT     | STANDARD<br>PAGE | TYPE      | HOURS   | 1            |
| [-N]            | 330926      | <br>162690 | HAND H<br>QUA2         | OLE 3309<br>ITE BOX | .2 37"           | 'X 26" X        |                     |            | 1<br>  1               | EA <br> EA | C       | c                                     | S  <br>1                              | C I     | 3309.2           | 3SWF3<br> | I 0.8   | <br>         |
| -N              | X09H26      | 162690     | INSTAI<br>QUA2         | l excava<br>Ite box | TION/F<br>37"X26 | REMOVE<br>5"26" |                     |            | <u>1</u><br>  <u>1</u> | EA <br> EA | C  <br> | c                                     | S  <br>                               | C  <br> | 3309.2           | 1         | 0.8<br> |              |
| 1               | 1-3SLB <br> | 322048     | 1-3 IN<br>BENI<br>SLUE |                     | DB 3             | IN 90 D         | SLURRY E<br>36 IN R |            | 3                      | EA         | ĊI      | c                                     | S  <br>                               | CI      | 3373.2           | 3-WF3     |         | I            |
| I-N [           |             | Í          |                        | /REPLACE            |                  |                 |                     |            | 1                      | [ ]        | 1       | 1                                     | 1                                     | 1       |                  | - i       | 1       | i i          |
| IORK FAC        |             |            |                        |                     |                  |                 |                     |            |                        |            |         |                                       |                                       |         |                  |           |         |              |
| UNC CODE        | DESC        |            | EXIS                   | T TAG               | NEW I            | IAG             |                     |            |                        | C          | ONST    | RUCT                                  | ION                                   | NOTE    | s                |           |         |              |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36      | SAN DIEGO GAS AND ELE<br>DPSS - DESIGN REVIEW COPY |                     |                                  |              |       | PAG            | E NO 618                                     |
|---|--|---------------------|----------------------------------|--------------|-------|----------------|--|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD       | NAME: ROLANDO BLK 7G2 -T&                          | C JOB 1             |                                  | STATUS: AC   | T WOF | K ORDER:       | 2960700                                      |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1  | STATUS: A  | \CT                 |                                  |              |       |                |  |
| LOCATION: 536 SHEET: 01 DISTRICT: CM DESIGN | JED BY: GEORGE BONNER                              |                     |                                  | IONE: 999-99 |       | OCATION        | 536 OF 587                                   |
| WRK   |  | QTY     <br>RQD  UM | WRK MAT TIM]AC<br>RSP(RSP(TRT TF | C STANDARD   | CREW  | EST  <br>HOURS |  |
| I I I I I I I I I I I I I I I I I I I       | THIS LOCATION                                      |                     |                                  | <br>         |       |                |  |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW 2  |  |                     | ONSTRUCTION NO                   | DTES         |       |                |  |
|   | SEE  | SHT 4               |                                  |              |       |                |  |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36         | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW   |   |  | PAGE NO 619                             |
|--|--|---|--|---|
| PROJECT: 253568 JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 70  | 52 -T&C JOB 1                           |  | RK ORDER: 2960700                       |
| DESIGN: 01 NAME: ROLANDO                       | BLK 7G2 T&C JOB 1 STAT   | IUS: ACT                                | • • • • • • • • • • • • • • • • • • •          | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
|  | ISTRICT: CM DESIGNED BY: GEORGE BONNER   |   |  | LOCATION 537 OF 587                     |
| WRK       <br> F-C[MU ID  AU ID  STOCK# <br> + | DESCRIPTION/CONSTRUCTION NOTES   | QTY    WRK MAT T<br>  RQD  UM RSP RSP T |  | EST  <br> HOURS                         |
| II-NI I1-3SLBI I                               | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1 EA  C     9                           | S   C  3373.2  3-WF3<br>       <br>            | 0.1                                     |
| WORK FAC<br>FUNC CODE DESC                     | EXIST TAG NEW TAG  | CONSTRUCTIO                             | ON NOTES                                       |   |
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| SIGN: 01            | NAME : |   | REV:0 TIPE: OD NAME. ROLANDO   | BLK 7G2 -T&C    |                             |                                  |                   |         |         |     | STATUS: AC           |        |                 |             |
|---------------------|--------|---|--|-----------------|-----------------------------|----------------------------------|-------------------|---------|---------|-----|----------------------|--------|-----------------|-------------|
| TATTON: 53          |        | RQLAND                                  | O BLK 7G2 T&C JOB 1  | STATUS: ACT     | r                           |                                  |                   |         |         |     |                      |        |                 |             |
|                     | 8 SHEF | T 01                                    | DISTRICT: CM DESIGNED BY: GEORGE   | BONNÈR          |                             |                                  |                   |         |         |     |                      |        | LOCATIO         | IN 538 OF 5 |
| KI                  | 1      | 1                                       | DESCRIPTION/CONSTRUCTION NOT   | 1 (             | OTY                         | 1                                | WRK               | TAM     | TIM     | ACC | STANDARD             | CREW   | EST  <br>HOURS  |             |
| + <b></b> +         | AS-2CT | +<br>!                                  | ASPHALT 2 SAW CUT AND BREAK MECH   |                 | 322                         | FT                               | с                 | 1       | S       | С   |                      | SR3AS  | 8.41            |             |
| -NI 1               | AB-M24 | 114201                                  | ASPHALT BASE MECH 24 IN<br>ASPHALT (BASE)  | 1               | 3221                        | FTL                              | C                 |         | S 1     | C   |                      | SR-3A  | 8.7]            |             |
|                     | BH04XH | X20201<br>114215                        | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX  |                 | 327<br>327<br>4             | FT  <br>EA  <br>  TN             | C .               |         | S  <br> | С   | G7453<br>            | IC-BC  | 16.4 <br>  16.4 |             |
| -N                  | REM-4' | x30007                                  | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE   | 1               | 327                         | CYI                              | ci                | c       | SI      | C   |                      | Ċ-DT   | 39.2 <br>       |             |
|                     | SLR-24 | 6564001                                 | BACKFILL SLURRY 24 IN WIDE X 12 IN<br>SLURRY MIX, 1 SACK SAND  | IDEEP           | 981<br>73                   | FT <br>CY                        | CI                | с       | S       | С   | G7409<br>            |        | i 2.9i          |             |
|                     | 1EB3IN | 248201 <br>249664 <br>663528 <br>663530 | 1-3 IN EB CONDUIT CONC ENC<br>CONCRETE - 2 SACK (GRAVEL MIX)<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SPACER INTERMEDIATE 5 IN 2-WAX<br>1 IN BASE SPACER | [<br> <br> <br> | 327<br>7<br>327<br>55<br>55 | FT  <br>  CY  <br>  FT [<br>  EA | C  <br> <br> <br> | 0000    | S  <br> | С   | 3376.1<br> <br> <br> |        | 4.61<br>1       |             |
| i i<br>t 1          | 1-3SLB | 322048                                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY<br>BEND CONDUIT DB 3 IN 90 D 36 IN<br>SLURRY MIX, 1 SACK SAND   |                 | 1<br>1<br>1                 | EA                               | C                 |         | i s i   | с   | 3373.2<br> <br>      | 3-WF3  |                 |             |
|                     | LN-S/U |   | TC-LANE CLOSURE URBAN STREET   |                 | 1                           |                                  | С                 | i       |         | С   | l .                  | TC3    |                 | <br>        |
| -N] [               | ln/s/s | <b>i</b> i                              | LANE CLOSURE URBAN ST (STREET REPA   | 1R)             | 1                           |                                  | С                 | 1       | 15      | С   | i                    | TC4    | 1.0             |             |
|                     | XING/S | i i                                     | TRAFFIC COND. (XING LANE) STREET F   | RÉPAIR I        | 1                           |                                  | С                 | 1       |         | С   | i                    | TC4    | 1 0.1           | 1           |
| -N                  | XING-U | 114215                                  | TC-TRAFFIC CONDITIONS STREET CROSS<br>ASPHALT, COLD MIX  | 1               |                             | F T  <br>  T N                   | С                 | <br>  C | S<br>   | C   | 1                    | TC4    | •               | <br> <br>   |
|                     | PLANTU |   | REMOVE/REPLACE LANDSCAPING   |                 |                             |                                  |                   |         |         |     |                      | 13-WF3 | 1.0             | <br>        |
| ORK FAC<br>UNC CODE | DESC   |   | EXIST TAG NEW TAG  |                 |                             | C                                | CONS!             | IRÚC    | TION    | NOT | ES                   |        |                 |             |

| ROJECT: 25        | 3568 .               | JOB:01                              | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1   | 2&Ċ JOB                        | 1                                |             |        |             |            | STATUS: AC       | T WO                     | RK ORDE                  | R: 2960700   |
|-------------------|----------------------|-------------------------------------|---|--------------------------------|----------------------------------|-------------|--------|-------------|------------|------------------|--------------------------|--------------------------|--------------|
| ESIGN: 01         |                      |                                     | O BLK 7G2 T&C JOB 1 STATUS:   |                                |                                  |             |        |             |            |                  |                          |                          |              |
| OCATION: 5        | 39 SHEI              | ET: 01                              | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                                |                                  |             |        |             | PHO        | NE: 999-99       | 99                       | LOCATIO                  | N 539 OF 587 |
| WRK <br>F-CIMU ID | <br> AU ID           | <br>  STOCK#                        |   | QTY<br>  RQD                   | <br>  UM                         | WRK<br> RSP | MAT    | TIM<br> TRT | ACC<br>TRT | STANDARD         | CREW<br> TYPE            | EST  <br>  HOURS         |              |
|                   | AS-2CT<br>           |                                     | ASPHALT 2 SAW CUT AND BREAK MECH  | 170<br>                        | FT                               | C I         | 1      | S           | l C        | I                | SR3AS                    | 4.4                      |              |
| I-N <br>          | BHQ 4 XH<br>         | <br> X20201!                        | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | i 170<br>i 170<br>i 170<br>i 2 | FT  <br>  EA  <br>  TN           | C           |        | S<br> <br>  | C          | G7453<br> <br>   | 100414                   | 8.5 <br>  8.5 <br>  17.0 |              |
| Ϊ−Ν <br>          | REM-4 '              | <br> X30007                         | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE  | <br>  170<br>  58              | FT<br>  CY                       | l C         | l C    | ] S<br>]    | -          | l<br>I           | 1                        | 20.4                     |              |
| I-N <br>          | SLR-18               | [<br> 656400[                       |   | <br>  510<br>  29              |                                  |             | c      |             |            |                  | <br> 3-WF3<br>           |                          |              |
|                   | AS-M18<br> <br>      | <br> X20022 <br> 114201 <br> 114202 | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)                | 170<br>  170<br>  16<br>  4    | FT  <br>  SF  <br>  TN  <br>  TN |             |        | S<br> <br>  | C          | 1<br>[<br>[<br>[ | C-BC<br>  SR-3A<br> <br> | 11.4 <br>  11.4 <br>     |              |
| I-N               | 1EB3SL<br> <br> <br> | <br> 249664 <br> 656400             | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND               | 164<br>  164<br>  4            | FT  <br>  FT  <br>  CY           | C<br> <br>  | c<br>c | S<br> <br>  | С          | 1<br>3376.1<br>1 | 3-WF3<br> <br>           | 2.3                      |              |
| I-N <br> <br>     | 1-3SLS<br>           | <br> 322144 <br> 656400             | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX, 1 SACK SAND |                                | EA<br>EA<br>CY                   |             |        | I S         | С          | 3373_2<br> <br>  |                          | 0.7                      |              |
| I-N<br> <br>      | 1-3SLB<br> <br>      | <br> 322048 <br> 656400             | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC  | ( 1<br>  1<br>  1              | EA <br> CY                       | C           | C<br>C | 1           | с          | 3373.2<br> <br>  | l<br>I                   | <br>  <b> </b>           |              |
| I-NI              | <br>  LN-s/u         | i i                                 | TC-LANE CLOSURE URBAN STREET  |                                |                                  | C           |        | <br>  S     |            | İ                |                          | 1.0                      |              |
| I-N               |                      |                                     | LANE CLOSURE URBAN ST (STREET REPAIR)   |                                |                                  | c           |        | <br>  S .   | -          | i                | <br>  TC4                | 1.0                      |              |
|                   | 1                    | <br> 114215                         |   | 1<br>  1                       | FT  <br>  TN                     |             | с      | Ι.          | С          | i                | <br>  TC4<br> <br>       | 0.1                      |              |
|                   | XING/S               |                                     | TRAFFIC COND. (XING LANE) STREET REPAIR   | 1                              | FT                               | с           | I      | S           | с          | 1                | TC4                      | 0.1                      |              |
| I-N <br>WORK FAC  |                      |                                     | TRAFFIC COND. (XING LANE) STREET REPAIR   | <br>  1<br>                    | FT <br>                          | с           |        | I S I       | c          | ]                | <br> TC4<br>             | 0.1                      |              |

10 C 2 C

| ROJECT: 25          | 3568                      | JOB:01                            | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIE<br>REV:0 TYPE: UD NAME: ROLANDO BLK 70  | 32 -T&C JOE          | 1                                    |                  |                |                | 5            | STATUS: AC       | T WOE                     | RK ORDE              | R: 2960700  |
|---------------------|---------------------------|-----------------------------------|---|----------------------|--------------------------------------|------------------|----------------|----------------|--------------|------------------|---------------------------|----------------------|-------------|
|                     |                           |                                   | DO BLK 7G2 T&C JOB 1 STAT   |                      |                                      |                  |                |                |              |                  |                           |                      |             |
| CATION: 5           | 40 SHE                    | ET: 01                            | DISTRICT: CM DESIGNED BY: GEORGE BONNEY   | R                    |                                      |                  |                |                | PHO          | NE: 999-99       | 999 1                     | LOCATIO              | N 540 OF 58 |
|                     |                           |                                   | DESCRIPTION/CONSTRUCTION NOTES  |                      | 1                                    |                  | i እናእጥ         | I TTMI         | IACC         | เราะงาวอาก       | LCREW                     | L EST 1              |             |
| I-N                 | AS-2CT                    | 1                                 | ASPHALT 2 SAW CUT AND BREAK MECH  | 170                  | FT                                   | C                | 1              | S              |              |                  | SR3AS                     | 4.4                  |             |
|                     | 1                         | <br> X20201<br> 114215            | <br>  MACH DIG TRENCH 4 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX   | 17(<br>  17(<br>  2  | FT<br>  EA<br>  TN                   | i c<br>1         | <br>  C<br>  C | S  <br>        | [ C<br> <br> | G7453<br> <br>]  | C-BC<br>  C-BH<br>  3SWF4 | 8.5 <br>8.5 <br>17.0 |             |
|                     | <br> REM-4'               | IX30007                           | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE  | j 170                | <br> FT<br> CY                       | i c              | i              | <br>  S<br>    | i c          | i<br>I           | IC-DT                     | 20.4                 |             |
| I→N  <br>           | SLR-18                    | <br> 656400                       | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 510                  | IFT<br>ICY                           | C<br> <br>       | 1<br>1 C       | S<br>          | [ C          | G7409<br>        | 3-WF3<br> <br>            | E, I                 |             |
|                     | AS-M18<br> <br> <br>      | <br> X20022<br> 114201<br> 114202 | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)  | 170<br>  170<br>  16 | )   FT<br>)   SF<br>5   TN<br>!   TN |                  | - C C C        | S<br> <br>     | 1 C<br>1     | 1                | [C-BC<br> SR-3A<br> <br>  | 11.4                 |             |
| 1<br>[-N]<br> <br>  | 1EB4SL<br> <br>           | 249710<br> 656400                 | 1-4 IN EB CONDUIT SLURRY ENCASED<br>  CONDUIT DE 100 4 IN 20 FT LENGTH<br>  SLURRY MIX, 1 SACK SAND   | 484                  | 5 FT<br>5 FT<br>9 CY                 | C<br> <br>       | <br>  C<br>  C | 1 S            | 1            | 3376.1<br> <br>! | 3-WF3                     | 6.8                  |             |
| [<br>[]<br>[]<br>[] | :<br> 1-4SLS<br> <br>     | 321826<br> 656400                 | 1-4 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>4 IN DB 100 22.5 D R BEND<br>SLURRY MIX, 1 SACK SAND   |                      | 3   EA<br>3   EA                     |                  | <br>  C<br>  C | S<br> <br>     | C<br> <br>   | 3373.2<br>       | 3-WF3                     |                      |             |
| I-N                 | LN-S/U                    | •                                 | TC-LANE CLOSURE URBAN STREET  |                      |                                      | i c              |                |                | i c          | İ                |                           |                      |             |
| I-N                 | <br> LN/S/S               |                                   | LANE CLOSURE URBAN ST (STREET REPAIR)   |                      | •                                    | i c              |                |                |              | i                | TC4                       | 1 1.01               |             |
| I-N <br>            | 1                         |                                   | TC-TRAFFIC CONDITIONS STREET CROSSINGS  | 1                    | LIFI                                 |                  |                | S              | •            | •                | IC4                       |                      |             |
| I-N!                | XING/S                    | i -                               | I TRAFFIC COND. (XING LANE) STREET REPAIR   | . i :                | LİFT                                 | i c              | i.             |                | i c          |                  | TC4                       | į 0.1                | <u> </u>    |
| ]<br>I-N <br> <br>  | <br> STUB/M<br> <br> <br> | <br> 476302<br> 476494            | I       STUB MARKER FOR UNDERGROUND CONDUIT         MARKER CONDUIT STUB RED       MARKER, BALL, E.F.M.S         I       WIRE TRACER 14AWG 600V CU SOLID INSUL |                      | EA<br>  EA<br>  EA<br>  EA<br>5 FT   | 7 <br>7 <br>7  C | 0 0 0          | 1 \$<br>1<br>1 | i c<br>I     | 3377.1           | 3-WF3                     | 0.1                  |             |

## SEE SHT 12,13

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| (O)E(            | CT: 253     | 3568 .           | JOB:01                  | REV:0 TYPE: UD NA   |                                |                   | 1<br>                        |      |          |                |      | STATUS: AC | T WOH   | RK ORDEI                                    | R: 2960700  |
|------------------|-------------|------------------|-------------------------|---|--------------------------------|-------------------|------------------------------|------|----------|----------------|------|------------|---|---|-------------|
|                  |             |                  |                         | 00 BLK 7G2 T&C JOB 1  | STATUS:                        | ACT               |                              |      |          |                |      |            |   |   |             |
|                  |             |                  |                         | DISTRICT: CM DESIGNED   | BY: GEORGE BONNER              |                   |                              |      |          |                |      |            | 99 1  | LOCATIO                                     | N 541 OF 58 |
| 'RK <br>'-C 1    | MU ID       | AU ID            | <br>  STOCK#  <br>+     | DESCRIPTION/CONS  | TRUCTION NOTES                 |                   |                              |      |          |                |      |            | CREW<br> TYPE   | EST [<br>HOURS]                             |             |
| -N               |             | AS-1CT<br>       | 4.                      | ASPHALT 1 SAW CUT AND   | BREAK MECH                     | 1                 | [FT]                         | CI   | 1        | S              | C    |            | SR3AS   | 1   |             |
|                  |             |                  |                         | 3315 TC SLURRY BACKFILL :   | INSTALL COMPLETE               |                   | EA <br>   <br>   <br>   <br> |      |          | S  <br>        | C    | 3315.3     | C-BH<br>  C-DT<br>  SR3CS<br>  BOOMT<br>  3-AF4<br>  0-BC               | 3.0 <br>3.3 <br>1.5 <br>4.8 <br>3.0 <br>0.2 |             |
|                  |             | <br> C/P15H      | 248205                  | ADJUST HH TO GRADE (IN<br>CONCRETE - 6 SACK (3,<br>COLD PATCH AND CLEAN-U | /4" ROCK MIX)<br>P 3315 HH     | [ 1<br>[ 1<br>[ 1 | CYI                          | - 1  | CI       |                |      |            | [<br>[<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>] | 0.2!<br>     <br>                           |             |
|                  |             | <br> R/\$15H<br> | 114200 <br> <br> X30007 | ASPHALT (COLD PATCH)<br>SPOIL FROM 3315 HH                                |                                | 1                 | EA[                          | сi   | с  <br>с | i              |      |            | [<br>[  | <br>    <sub>-</sub>                        |             |
| <br> <br>        |             | SHOR-H           | i I                     | SHORING PRIMARY HANDHO<br>SHORING MATERIAL<br>EXCAVATE 3315 HANDHOLE      | LES                            |                   |                              |      |          |                | i i  | 3315.4     | <br>  | <sub>_</sub><br>                            |             |
| 1                |             | <br> 15H-SL      | 601600 <br>             | ROCK, DRÝ, 3/8" RECY<br>BACKFILL SLURRY 3315 H                            | CLED MATLS PREFFERED           | 1                 | ] TN [<br>] EA [             | c i  | C  <br>C |                |      |            |   |   |             |
| 1                |             | 3315TC           | <br> 400308 <br>        | CONCRETE - 1 SACK (S<br>HANDHOLE 3315 WITH TRA<br>3315 TRAFFIC COVER H    | FFIC COVER<br>ANDHOLE COMPLETE |                   | EA <br> EA                   | ci   | с  <br>с | i<br>I         |      | 3315       |   |   |             |
| -N <br>1         | 1           | RED5-4           | 1                       | CONDUIT BELL REDUCER DE<br>CONDUIT BELL REDUCER                           | B 5 IN TO 4 IN<br>5 IN TO 4 IN | 5<br>  5          | IEAI                         | сi   | i        | 5  <br>        | c    | 3373.2     |   |   | ·           |
| - <u>N</u> ]<br> |             | RED4-3           | i i                     | CONDUIT BELL REDUCER DI<br>CONDUIT BELL REDUCER                           |                                | 2<br>  2          | EA                           | C    | i        | <b>S</b>  <br> | С    | 3373.2     |   |   |             |
| -N               | i           |                  | i 1                     | TC-LANE CLOSURE URBAN :   | STREET                         | i 1               | EA                           | ci   |          | si             | ici  |            |   | 1.0   |             |
| -N               |             |                  |                         | LANE CLOSURE URBAN ST   | (STREET REPAIR)                | 1 1               | EA                           | ci   | 1        | S I            |      |            | TC4   | 1.0   |             |
|                  | EAC<br>CODE |                  |                         | EXIST TAG NEW TAG   |                                |                   | c                            | ONST | RUCT     | ION            | NOTE | s          |   |   |             |
| T                | PH          | PRI H            | HANDHOLE                | H131699   | SE                             | E SHT 1:          | 2                            |      |          |                |      |            |   |   |             |

| DP001EM2-<br>09/05/17 | -LOCAL40-00<br>11:36 | )1                 |  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C |                          | TAII                       | ച          |                |                |      |                      |                          | P                       | AGE NO   | 624   |
|-----------------------|----------------------|--------------------|--|---|--------------------------|----------------------------|------------|----------------|----------------|------|----------------------|--------------------------|-------------------------|----------|-------|
| PROJECT:              | 253568               | JOB:01             | REV:0 TYPE: UD   | NAME: ROLANDO BLK 7G2                       | -T&C JOB                 | 1                          |            |                |                |      | TATUS: AC            | T WOE                    | RK ORDE                 | R: 29607 | 700   |
|                       |                      |                    | O BLK 7G2 T&C JOB 1  |   |                          |                            |            |                |                |      |                      |                          |                         |          |       |
| LOCATION              | : 542 SHEE           | ET: 01             | DISTRICT: CM DESI  | GNED BY: GEORGE BONNER                      |                          |                            |            |                |                | PHOI | VE: 999-99           | 999 1                    | LOCATIC                 | N 542 OF | 5 587 |
| WRK <br> F-C MU       | ID AU ID             | <br>  STOCK#       | DESCRIPTION/   | CONSTRUCTION NOTES                          | I BOD                    | ITM                        | RSP        | RSP            | TRTI           | TRT  | STANDARD<br>PAGE     | TYPE                     | HOURS                   |          |       |
|                       | AS-2CT               | I                  |  | AND BREAK MECH                              | 1 85                     | I FT                       | C          | 1 1            | E S I          | С    | 1                    | ISR3AS                   | 2.2                     |          |       |
| I-N <br>[             | ţ.                   | <br> X20201        | MACH DIG TRENCH 4<br>TRAFFIC BEARING<br>ASPHALT, COLD MI                 |   | 85<br>  85<br>  1        | FT<br>  EA<br>  TN         | C<br> <br> |                | S  <br>   <br> | С    | G7453<br> <br>       |                          | 4.3 <br>  4.3 <br>  8.5 |          |       |
| I-N                   |                      |                    | TRENCH SPOIL 4 FT<br>DUMPING FEE   | DEPTH                                       | I 85<br>I 29             | FT<br>  CY                 | C<br>      | <br>  C        | S I            |      | [<br>}               |                          |                         |          |       |
| I-N]                  |                      |                    | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                                   | IN WIDE X 12 IN DEEP<br>CK SAND             | 255<br>15                | FT                         | i ç<br>I   | i<br>  c       | si             | С    | G7409                | 3-WF3                    | 0.5 <br>                |          |       |
|                       | 1                    | X20022 <br> 114201 | ASPHALT BASE & TO<br>GRIND ASPHALT (P<br>ASPHALT (BASE)<br>ASPHALT (TOP) |   | 85<br>  85<br>  8<br>  8 | FT<br>  SF<br>  TN<br>  TN | C<br> <br> | <br>  C<br>  C | S [            | С    | t<br>1               | C-BĊ<br>  SR-3A<br> <br> |                         |          |       |
| I-N <br>              | 1EB4SL<br>           | 249710             | 1-4 IN EB CONDUIT<br>CONDUIT DB 100 4<br>SLURRY MIX, 1 SA                | IN 20 FT LENGTH                             | 85<br>85<br>2            | i FT<br>  FT               | C<br> <br> |                | 1              |      | <br> 3376.1<br> <br> | 3-WF3<br> <br>           | 1.2                     |          |       |
| I-N                   |                      |                    | TC-LANE CLOSURE UR   | BAN STREET                                  |                          |                            |            | i              | S              | С    |                      | i TC3                    | 1.0                     |          |       |
| I-N                   | <br>  LN/S/S         |                    | LANE CLOSURE URBAN   | I ST (STREET REPAIR)                        | 1 1                      | EA                         | i c        |                | S              | С    | 1                    | TC4                      | ] 1.0                   |          |       |
| I-N]<br>     <br>     | Í                    | 476302             | MARKER CONDUIT S<br>MARKER, BALL, E.                                     | TUB RED                                     | 1<br>  1                 | IEA                        | . <br>.    | - c<br>- c     | 1  <br>]       | c    | 3377.1<br> <br> <br> | 3-WF3<br> <br> <br>      | ,<br> <br> <br>         |          |       |

WORK FAC FUNC CODE DESC EXIST TAG NEW TAG

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CONSTRUCTION NOTES

SEE SHT 12

Block 7G2 UUP Attachment E – Technical Specifications

| DP001EM2-LOCAL40-0<br>09/05/17 11:36 | 001      |       |          |         |        | - DESIG    | O GAS A | W COPY | Y - DE | TAI       |              |       |      |      |        |     |      | E               | AGE NO | 625    |
|--------------------------------------|----------|-------|----------|---------|--------|------------|---------|--------|--------|-----------|--------------|-------|------|------|--------|-----|------|-----------------|--------|--------|
| PROJECT: 253568                      |          | REV:0 | TYPE:    | UD:     |        | ROLAND     |         | G2 -Ta | &C JOB | 1         |              |       |      | S    | TATUS: | ACT | WO   | RK ORDE         | R: 296 | 0700   |
| DESIGN: 01 NAME                      | : ROLANE |       | 2 T&C JO | DB 1    |        |            | STA     | TUS: A | ACT    |           |              |       |      |      |        |     |      |                 |        |        |
| LOCATION: 543 SHE                    |          |       |          |         |        |            | e bonne | R      |        |           |              |       |      |      | E: 999 |     |      | LOCATIC         |        | OF 587 |
| WRK   <br> F-C MU ID  AU ID          |          |       | DESCRIP  | rion/co |        |            |         |        | QTY    | ł         | WRK          | MAT   | TIM  | ACC] | STANDA | RD  | CREW | EST  <br> HOURS |        |        |
|                                      |          | NO DE | SIGN UN  | ITS FOR | R THIS | LOCATI     | ON      |        | <br>   | <br> <br> | +<br>   <br> |       | <br> |      |        |     |      | <br>            |        |        |
| WORK FAC<br>FUNC CODE DESC           | 2        | EXIS  | T TAG    | NEW 7   | IAG    |            |         |        |        |           | CONST        | 'RUC' | TION | NOTE | s      |     |      |                 |        |        |
|                                      |          |       |          |         |        |            |         | SEE    | SHT 4  |           |              |       |      |      |        |     |      |                 |        |        |
|                                      |          |       |          |         |        |            |         |        |        |           |              |       |      |      |        |     |      |                 |        |        |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36     | SAN DIEGO GAS AND ELE<br>DPSS - DESIGN REVIEW COPY | CTRIC<br>7 - DETAIL                       |                                       | PAGE NO 626         |
|--|--|---|---------------------------------------|---------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD      | NAME: ROLANDO BLK 7G2 -T&                          | C JOB 1                                   |                                       | IORK ORDER: 2960700 |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 | STATUS: A  | ACT                                       |                                       |                     |
| LOCATION: 544 SHEET: 01 DISTRICT: CM DESI  | GNED BY: GEORGE BONNER                             |   | PHONE: 999-9999                       | LOCATION 544 OF 587 |
|  | 1  | QTY    WRK MAT TIN<br>RQD  UM RSP RSP TR1 | ALACCISTANDARD CREW                   | I   EST             |
| +++++++                                    |  |   |                                       |                     |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW   | TAG  | CONSTRUCTION                              |                                       |                     |
|  | SEE  | SHT 4                                     |                                       |                     |
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| 09/05/17 11           | CAL40-01         | 01                      |  | SÁN DIEG<br>DPSS - DESIG | O GAS AND ELE<br>N REVIEW COPY | CTRIC         | TATI             | ,    |            |              |           |          |                     | P                       | AGE NO 627  |
|-----------------------|------------------|-------------------------|--|--------------------------|--------------------------------|---------------|------------------|------|------------|--------------|-----------|----------|---------------------|-------------------------|-------------|
|                       | 3568 .           | JOB:01                  | REV:0 TYPE: UD   | NAME: ROLAND             | 0 BLK 7G2 -T&                  | C JOB         | 1                |      |            |              |           |          |                     |                         | R: 2960700  |
| ESIGN: 01             | NAME             | : ROLANDO               | D BLK 7G2 T&C JOB 1                                      |                          | STATUS: A                      | СТ            |                  |      |            |              |           |          |                     |                         |             |
|                       |                  |                         | DISTRICT: CM DES:  |                          |                                |               |                  |      |            |              | PHON      |          |                     |                         | N 545 OF 58 |
| WRK <br>F-C MU ID     | <br> AU ID       | [<br> STOCK#[           | DESCRIPTION,   | CONSTRUCTION N           |                                | ROD           | UM               | RSP  | RSPI       | TRTI         | FRTI      | STANDARD | CREW                | EST                     |             |
|                       | ICC-2CT          |                         | CONCRETE 2 SAW CU  | f and break me           |                                | 12            | FT               | C    | ł          | S I          | сI        |          | SR3AS               | 0.5                     |             |
| I-N                   |                  | i i                     | FINISH CONCRETE SU                                       | JRFACE MAN 18            | IN 1                           |               |                  |      | 1          | S [          | c I       |          | 1<br> SR3CS         | i i                     |             |
| ц—ц<br> <br>          | BH03XH<br> <br>  | <br> X20201             | MACH DIG TRENCH 3<br>TRAFFIC BEARING<br>ASPHALT, COLD MI | STEEL PLATE              |                                | 9<br>1        | EA]              |      |            | I            | <br> <br> | G7453    | C−BH<br> 3SWF4      | 0.5 <br>  0.5 <br>  1.0 |             |
| I-N <br> <br>         | REM-3 '          | 1                       | TRENCH SPOIL 3 F:<br>DUMPING FEE                         | I DEPTH                  | <br>]<br>                      | 12<br>3       | <br> FT <br> CY  | С    | 1<br> <br> | s i          | c  <br>   |          | I<br>IC-DT          | 1.1                     |             |
| I-N                   | SLR-18<br>       | t i                     | BACKFILL SLURRY 18<br>SLURRY MIX, 1 SA                   |                          |                                | 36<br>3       | FT               | C    | сi         | \$  <br>     | i         | G7409    | <br> 3-\WF3<br>     |                         |             |
| I-N]                  | )1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT<br>CONDUIT DB 3 IN<br>SLURRY MIX, 1 SA | 20 FT LENGTH             |                                | 46<br>46<br>1 | FT <br>FT <br>CY | CI   |            | s  <br> <br> | c  :<br>  | 3376.1   | 3-WF3<br> <br>      | 1 [                     |             |
| 1                     | 1                | <br> 321878 <br> 656400 | 1-3 IN DB 45 D 36<br>BEND CONDUIT DB<br>SLURRY MIX, 1 SA | 3 IN 45 D 36 I           |                                | 1<br>1<br>1   | EA  <br>CY       | С    | сi         |              |           | 3373.2   | <br> 3-wF3<br> <br> | i i                     |             |
|                       |                  | i i                     | TC-LANE CLOSURE UN                                       | RBAN STREET              |                                |               | <br>EA           | C    |            | <br>S        | с         |          |                     |                         |             |
| I-N                   |                  | i i                     | LANE CLOSURE URBAN                                       | N ST (STREET RE          | PAIR) I                        | 1             | <br>[EA          | c    |            | S I          | c 1       |          | <br>  TC4           | i 1.0                   | <del></del> |
| I-N                   | 1                | i i                     | TC-TRAFFIC CONDIT:<br>ASPHALT, COLD MI                   |                          | 4                              | 1<br>1        | TN               | 1    | <br> <br>  | s I<br>I     | C         |          | <br>  TC4<br>       | <br>  0.1 <br>          |             |
|                       |                  |                         | TRAFFIC COND. (XI)                                       | NG LANE) STREET          |                                | 1             |                  | CI   |            | [<br>S [     | ן<br>כ (  |          | <br>  TC4           | [  <br>[ 0.1]           |             |
| WORK FAC<br>FUNC CODE |                  |                         | EXIST TAG NEV  | TAG                      |                                |               | c                | ONST | RUCI       | ION P        | NOTE      | <br>S    |                     |                         | <b></b>     |
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| DP001EM2-LO<br>09/05/17 11 |                    |  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C | ELECTRIC<br>OPY - DETAIL                      |   | PAGE NO 628                 |
|----------------------------|--------------------|--|---|---|---|-----------------------------|
| PROJECT: 25                | 3568 JOB:01        | REV:0 TYPE: UD                           | NAME: ROLANDO BLK 7G2                       | -T&C JOB 1                                    |   | WORK ORDER: 2960700         |
| DESIGN: 01                 | NAME: ROLAND       | O BLK 7G2 T&C JOB 1                      | STATUS                                      | : ACT   |   |                             |
| LOCATION: 5                | 46 SHEET: 01       | DISTRICT: CM DESIG                       | NED BY: GEORGE BONNER                       |   | PRONE: 999-9999                         | LOCATION 546 OF 587         |
| WRK <br> F-C MU ID         | <br> AU ID  STOCK# | DESCRIPTION/C                            | ONSTRUCTION NOTES                           | QTY    WRK MAT <br>  RQD  UM RSP RSP          | TIM ACC STANDARD  C<br>TRT TRT  PAGE  1 | CREW   EST  <br>TYPE  HOURS |
| ]+<br>  I-N <br>     <br>  | +                  | 1-3 IN DE 90 D 36 I<br>BEND CONDUIT DE 3 | N R BEND SLURRY ENC<br>IN 90 D 36 IN R      | 1 1 EA  C [  <br>  1 EA    C [<br>  1 CY    C | S   C  3373.2  3                        | 3-WF3  0.1                  |
| WORK FAC<br>FUNC CODE      | DESC               | EXIST TAG NEW                            | TAG   | CONSTRUCT                                     | ION NOTES                               |                             |
|                            |                    |  | S   | EE SHT 4                                      |   |                             |
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| DP001EM2-LOCAL40-00<br>09/05/17 11:36 | )1       |           |          |       |        |       | GO GAS<br>GN REVI |       | PY - DE | TAI |              |       |            |                |            |              |                | Ē               | PAGE 1 | NO 629   |
|---------------------------------------|----------|-----------|----------|-------|--------|-------|-------------------|-------|---------|-----|--------------|-------|------------|----------------|------------|--------------|----------------|-----------------|--------|----------|
| PROJECT: 253568 J                     |          |           |          |       |        |       |                   |       | Sec Joe | 31  |              |       |            | S              | TATU       | s: AC        | T WC           | ORK ORDE        | R: 2   | 960700   |
| DESIGN: 01 NAME:                      | : ROLAND |           | 2 T&C JO |       |        |       |                   | ATUS: | ACT     |     |              |       |            |                |            |              |                |                 |        |          |
| LOCATION: 547 SHEE                    | ET: 01   | DISTRICT: | CM       | DESIG | NED BY |       | GE BONN           |       |         |     |              |       |            | PHON           | Æ: 9       | 99-99        | 99             | LOCATIO         |        | 7 OF 587 |
| WRK!    <br> F-C MU ID  AU ID         |          |           | DESCRIPT | ION/C | ONSTRU | CTION | NOTES             |       | QTY     | ļ   | WRI<br>1 RSI | K MAT | TIM<br>TRT | ACC  <br>  TRT | STAN<br>PA | IDARD<br>IGE | CREŴ<br>  TYPE | EST  <br> HOURS |        |          |
|                                       |          | NO DES    | IGN UNI  |       |        |       |                   |       | i       | 1   | i            |       | <br> <br>  |                |            |              | ĺ.             | ] [             |        |          |
| WORK FAC<br>FUNC CODE DESC            |          | EXIST     | f TAG    | NEW   | TAG    |       |                   |       |         |     | CONS         | STRUC | FION       | NOTE           | s          |              |                |                 |        |          |
|                                       |          |           |          |       |        |       |                   | SEE   | SHT 1   | 11  |              |       |            |                |            |              |                |                 |        |          |
|                                       |          |           |          |       |        |       |                   |       |         |     |              |       |            |                |            |              |                |                 |        |          |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36     | SAN DIEGO GAS AND ELECTR<br>DPSS - DESIGN REVIEW COPY - 1 | DETAIL                                    |                   | PAGE NO 630         |
|--|---|---|-------------------|---------------------|
| PROJECT: 253568 JOB:01 REV:0 TYPE: UD      |   | OB 1                                      | STATUS: ACT W     | ORK ORDER: 2960700  |
| DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 | STATUS: ACT   |   |                   |                     |
|  | GNED BY: GEORGE BONNER                                    |   | PHONE: 999-9999   | LOCATION 548 OF 587 |
| WRK  | 1 QT  | Y   ]WRK[MAT TIM A<br>D  UM]RSP[RSP TRT ] | CC STANDARD  CREW |                     |
| + + + ++                                   | DR THIS LOCATION  |   |                   |                     |
| WORK FAC<br>FUNC CODE DESC EXIST TAG NEW   |   | CONSTRUCTION N                            | IOTES             |                     |
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| DP001EM2-LOCAL40-001<br>09/05/17 11:36  | DPSS - DESIGN H  | GAS AND ELECTRIC<br>REVIEW COPY - DETAIL |  | PAGE NO 631           |
|---|--|--|--|-----------------------|
| PROJECT: 253568 JOB:01 REV:             |  | BLK 7G2 -T&C JOB 1                       | STATUS: ACT WOR                                  |                       |
| DESIGN: 01 NAME: ROLANDO BLK            | 7G2 T&C JOB 1  | STATUS: ACT                              |  |                       |
| LOCATION: 549 SHEET: 01 DISTRI          | CT: CM DESIGNED BY: GEORGE H   |  | PHONE: 999-9999 I                                | LOCATION 549 OF 587   |
| WRK                                     | DESCRIPTION/CONSTRUCTION NOT   | QTÝ    WRK MAT<br>ES   RQD  UM RSP RSP   | TIM ACC STANDARD  CREW  <br> TRT TRT  PAGE  TYPE | EST I                 |
| I-N   1-3SLB    1-3<br>      322048  BE | IN DB 90 D 36 IN R BEND SLURRY<br>ND CONDUIT DB 3 IN 90 D 36 IN H<br>URRY MIX, 1 SACK SAND | ENC   1 EA C <br>R   1 EA    C           | S   C  3373.2  3-WF31                            | 0.1                   |
| WORK FAC                                | IST TAG NEW TAG  |  | TIÓN NOTES                                       | ·                     |
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|                   |                      |                    | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2                      | -TOR                | 1                  |               |                |            | ,             | STATUS. AC       | т wow                   | RK ORDE                    | R: 2960700  |
|-------------------|----------------------|--------------------|--|---------------------|--------------------|---------------|----------------|------------|---------------|------------------|-------------------------|----------------------------|-------------|
|                   |                      |                    | D BLK 7G2 T&C JOB 1 STATU  |                     |                    |               |                |            |               | <b></b>          |                         |                            |             |
| CATTON:           | 550 SHE              | T: 01 I            | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                     |                    |               |                |            |               | NE: 999-99       |                         |                            | N 550 OF 58 |
|                   |                      |                    | DESCRIPTION/CONSTRUCTION NOTES   |                     | r 1                | জন্ম।         | MAT            | ITTMI      |               | STANDARD         | I CREW                  | EST                        |             |
| E−N               | 3'HD-A               |                    | HAND DIG TRENCH 3 FT DEEP AVE  | i 20                | FT                 | C             |                | S          | [C            | G7453<br>        | 3-013                   | 1 / . / .                  |             |
| ן<br>1-1<br>1     | <br> BKF-3'          | I                  | BACKFILL TRENCH 3 FOOT DEEP  | 1 20                | FT                 | с             |                | I S        | I C           | 1<br>1           | 13-WF3                  | 0.3                        |             |
| ]<br>[N <br> <br> | i                    |                    | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 20<br>  2           | FT<br>  TN<br>]    | С             | с              | S<br> <br> | I C<br>I<br>I | G7405<br> <br>   | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>  0.1 <br>  0.1    |             |
| [<br>-N <br>      | i                    | 2496641            | 1-3 IN DE CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1 20                | FT<br> FT          | i c i         | с              | Ì          | C             | 3373.1           | 13-WF3                  | <br>  0.3 <br>             |             |
| [-N]              | R-XCES               | i i                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | i 20<br>[ 2         | FT                 | C<br>         | 1              | S          |               |                  |                         | 1 1                        |             |
| [-N]              |                      | . ,                | REMOVE/REPLACE LANDSCAPING   | 1 15                |                    | i c           |                | i s        | • =           | ł                | 3-WF3                   |                            |             |
| <br>[-N]          | <br> CC <b>-</b> 2CT | i i                | CONCRETE 2 SAW CUT AND BREAK MECH  | j 5                 |                    | I C           | 1              | S<br>      | I C           | Ì                | SR3AS                   | i 0.2i                     |             |
| <br>[N            | CF-H12               |                    | FINISH CONCRETE SURFACE MAN 12 IN  | j 5                 |                    | i c           | 1              |            | i c           | Ì                | SR3CS                   | i i                        | <u></u>     |
| E – N [<br>[<br>] | 1                    | X20201             | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 12<br>  9<br>  1    | FT<br>  EA<br>  TN |               | <br>  C<br>  C | S<br> <br> | i c<br>1      | [G7453<br> <br>] | C-BC<br>C-BH<br>3SWF4   | ( 0.5)<br>( 0.5)<br>( 1.0) |             |
| I-N               | REM-3'               | X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 12<br>  3           | FT                 | i c<br>I      | l<br>I C       |            | ¢             | l                |                         | 1 1                        |             |
| E-N <br>[         | SLR-18               | 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | i 36<br>i 3         | FT                 | i Ç<br>I      | <br>  C        | S          | 1             | [G/409<br>       |                         | i 0.1                      |             |
| I-N               | 1£B3SL<br> <br>      | 2496641<br>6564001 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | j 12<br>  12<br>  1 | FT<br>  FT         | 1 C<br>1<br>1 |                | i s        | C<br> <br>    | 3376.1<br> <br>  |                         | 0.2                        |             |
| -N                | 1-3SLB               | 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 1 1                 | IEA<br>IEA         | i c           | i<br>i c       | i s        | i c           | 3373.2.<br>      | 3-WF3                   | 1                          |             |
| [-N]              | LN-S/U               |                    | TC-LANE CLOSURE URBAN STREET   | 1                   | EA                 | 1 C           | l              | l S        | Ċ             | 1                | JTC3                    | •                          |             |
| I-N               | <br>  LN/S/S         | 1 1<br>1 1         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                     |                    |               |                |            |               | 1                |                         | 1.0                        |             |

WORK FAC FUNC CODE DESC

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EXIST TAG NEW TAG

CONSTRUCTION NOTES

## SEE SHT 11

| ROJECT: 253  | 3568 3 | JOB:01                          | REV:0 TYPE: U                                       | D NAME: ROLANDO BLK   | 7G2 -TeC 3                  | JÓB             | 1                      |             |             |            | 5          | STATUS: AC      | T WO  | RK ORDE                           | R: 2960700  |
|--|--------|---------------------------------|---|---|-----------------------------|-----------------|------------------------|-------------|-------------|------------|------------|-----------------|---|-----------------------------------|-------------|
| SIGN: 01   | NAME   | ROLAN                           | DÓ BLK 7G2 T&C JOB                                  | 1 S   | TATUS: ACT                  |                 |                        |             |             |            |            |                 |   |                                   |             |
|  |        |                                 |   | SIGNED BY: GEORGE BON   |                             |                 |                        |             |             |            | PHỌI       | NE: 999-99      | 99 1  | LOCATIO                           | N 551 OF 58 |
| RK   <br>-C MU ID                                  | AU ID  | I<br>STOCK#                     | DESCRIPTIO  | N/CONSTRUCTION NOTES  | Q1<br>  R(                  | ΓΥ  <br>2D      | <br>UM                 | WRK <br>RSP | MAT<br>RSP  | TIM<br>TRT | ACC<br>TRT | STANDARD        | CREW<br>  TYPE                              | EST  <br> HOURS                   | ~~~~~~~~    |
| '-NI   | AS-1CT |                                 | і азрналт 1 зай с                                   | UT AND BREAK MECH   |                             | - î I           | FTI                    | CI          |             | S          |            |                 | I CR RAC                                    | I I                               |             |
| I-N TC15SL <br>         <br>       <br>       <br> | (EXPL) |                                 | <br> 3315 TC SLURRY BAC<br> <br> <br> <br> <br>     | KFILL INSTALL COMPLET   | E  <br> <br> <br> <br> <br> | 1               | EA <br> <br> <br> <br> |             |             |            |            | <br> <br> <br>  | C-DT<br> SR3CS<br> BOOMT<br> 3-AF4<br> 0-BC | 3.3 <br>  1.5 <br>  4.8 <br>  3.0 |             |
| 1 1  |        | 1240205                         | CONCRETE - F C                                      | DE (IN PKY OR NEW CON<br>ACK (3/4" ROCK MIX)<br>LEAN-UP 3315 HH                               | i                           | 11              | ovi                    | i.          | ~           |            |            |                 |   | i i                               |             |
|  | R/S15H | [114200<br>[<br>[X30007         | ASPHALT (COLD<br>  SPOIL FROM 3315<br>  DUMPING FEE | PATCH)<br>HH  |                             | 2)<br>1)<br>11) | TN [<br>EA  <br>CY [   | с  <br>     | C<br>C<br>C |            |            | i               | [<br>[<br>[                                 | <br>   <br>                       |             |
|  |        | 1007000                         | RUCA, DRI, 5/0                                      | LEAN-UP 3315 HH<br>PATCH)<br>HH<br>HANDHOLES<br>AL<br>NDHOLE AVERAGE<br>" RECYCLED MATLS PREF | LEVED 1                     | - L J           | 1111                   |             | ų.          |            |            | <br> 3315.4<br> |   |                                   |             |
|  | l '    | <br> 248200<br> <br> 400308<br> | 3315 TRAFFIC C                                      | 3315 HH<br>ACK (SAND MIX)<br>TH TRAFFIC COVER<br>OVER HANDHOLE COMPLET                        | l<br>l<br>E l               | 11              | EA                     | l           | С           |            |            | <br> 3315<br>   |   |                                   |             |
| [-N]   | RED5-4 | <br> 573384                     | CONDUIT BELL RED<br>CONDUIT BELL R                  | UCER DB 5 IN TO 4 IN<br>EDUCER 5 IN TO 4 IN   | +<br>]<br>                  | 5 <br>5         | EA]<br>EA]             | c i         | с           | S          | c          | 3373.2          | <br> <br>                                   |                                   |             |
|  | PEDA-3 | 1573380                         | CONDUIT BELL RED                                    | UCER DB 4 IN TO 3 IN<br>EDUCER 4 IN TO 3 IN   | I                           | 4 ]<br>4 ]      | EA (<br>EA             | CI          | С           |            | i c        | 3373.2<br>      | <br> <br>                                   |                                   |             |
| N  | RED3-2 | <br> 573376                     | CONDUIT BELL RED<br>  CONDUIT BELL R                | UCER DB 3 IN TO 2 IN<br>EDUCER 3 IN TO 2 IN   |                             | 4<br>4          | EA  <br>EA             | C I         | с           | S          | C          | 3373.2          | <br> <br>                                   | 1<br>1<br>1                       |             |
| [-N]   | LN-S/U | É                               | TC-LANE CLOSURE                                     | URBAN STREET  |                             | 1               | EA                     | С           |             | S          | с          | <br>            | <br>  TC3                                   | 1.0                               |             |
| [-N  | LN/S/S |                                 | <br>  LANE CLOSURE URB                              | urban street<br>An st (street repair)   |                             | 1               | <br>EA                 | c           |             | S          | С          | 1               | <br> TC4                                    | 1.0                               |             |
| VORK FAC   | DESC   |                                 | EXIST TAG N   | <br>Ew TAG  |                             |                 | с                      | ONSI        | RUC         | TION       | NOTI       | ES              |   |                                   |             |

| ROJECT: 25        | 3568 3          | JOB:01                              | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G2             | -T&C JOB                     | 1                          |              |                     |            | 5             | STATUS: AC       | T WOE                   | RK ORDE                | R: 2960700  |
|-------------------|-----------------|-------------------------------------|---|------------------------------|----------------------------|--------------|---------------------|------------|---------------|------------------|-------------------------|------------------------|-------------|
| ESIGN: 01         | NAME            | ROLAND                              | O BLK 7G2 T&C JOB 1 STATUS  | S: ACT                       |                            |              |                     |            |               |                  |                         |                        |             |
|                   | 50 CUEL         | <br>2π. Δ1                          | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                              |                            |              |                     |            | PHOI          | VE: 999-99       | 99 1                    | LOCATIO                | N 552 OF 58 |
| NRK <br>R-CIMUITD | ן<br>סד דובן    |                                     | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD                 | <br>  UM                   | WRK<br>RSP   | MAT                 | TIM        | ACC           | STANDARD<br>PAGE | [ TYPE                  | HOURS                  |             |
| I-N               | AS-2CT          | I 1                                 | ASPHALT 2 SAW CUT AND BREAK MECH  |                              | FT                         | с            |                     | s          |               |                  |                         | 11.8                   |             |
| I-N <br> <br>     | [<br>[          | <br> X20201 <br> 114215             | MACH DIG TRENCH 4 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX           | 453<br>  453<br>  5          | FT<br>  EA<br>  TN         | с            |                     | S          | i c<br>I      | G7453<br>        |                         | 22.7 <br>22.7 <br>45.3 | <u>.</u>    |
|                   | REM-4 '         | <br> <br> x30007                    | TRENCH SPOIL 4 FT DEPTH<br>DUMPING FEE  | i 453<br>i 155               | <br> FT<br> CY<br>         | C.           |                     |            | Ì             |                  | l<br> C-DT<br>l         | [54.4]                 |             |
|                   | SLR-18          |                                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                              | 1359<br>  76                 | FT<br>  CY                 | С            |                     |            |               | G7409<br>        | •                       | 2.7 <br>               |             |
| [-N]<br> <br>     | AS-M18<br> <br> | <br> x20022 <br> 114201 <br> 114202 | ASPHALT BASE & TOP MECH 18 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)      | 453<br>  453<br>  41<br>  10 | FT<br>  SF<br>  TN<br>  TN |              | C  <br>  C  <br>  C |            | <br> <br>     | [                | C-BC<br> SR-3A<br> <br> | 30.4 <br>              |             |
| [-N]<br> <br>     | 1EB4SL<br> <br> | 249710 <br> 656400                  | CONDUIT DB 100 4 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND                                     | 373<br>  373<br>  7          | FT<br>  FT<br>  CY         | ( C<br> <br> |                     | S          | i C<br>I<br>I | 3376.1<br> <br>  | 3-WF3<br> <br>          | 5.2 <br>               |             |
| [-N <br> <br>     | 1-4SLS          | 321826                              | 1-4 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>4 IN DB 100 22.5 D R BEND<br>SLURRY MIX, 1 SACK SAND | 8<br>  8                     | IEA<br>ICY                 | i c<br> <br> |                     | S<br> <br> | i c           | 3373.2<br> <br>  | 3-WF3<br> <br>          | ٤ ا<br>ا               |             |
| <br>[-N           |                 |                                     | TC-LANE CLOSURE URBAN STREET  | ,                            | IEA                        | l C          | 1                   |            | i c           | i                |                         | 1.0                    |             |
|                   | 1<br> LN/S/S    | i i                                 | LANE CLOSURE URBAN ST (STREET REPAIR)   | 1 1                          | EA                         |              | 1                   | ls         | 1<br>  C<br>  | ĺ                |                         | 1.0                    |             |
| <br> -N <br>      | <br> XING-U<br> | i i                                 | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX                                     | i 1                          | FT<br>  TN                 |              | <br> <br>  C        |            |               | i<br>I           | 1 TC4                   | 0.1 <br>               |             |
| -N                | XING/S          |                                     | TRAFFIC COND. (XING LANE) STREET REPAIR   |                              | FT                         | i C          |                     | S          |               | i                |                         | 0.1                    | · · · · ·   |
| 1-N               | I<br>ARRO-B     | i i                                 | TC-ARROW BOARD ASSIST FOR TRENCHING   | ,                            | HR                         | i c          |                     | Ş          | C             | 1                | ARROB                   | 1 8.01                 | 1           |
| I-N               | 1<br> FLAGU     |                                     | TC-FLAGGING   | •                            | HR                         |              |                     | S          | •             |                  |                         | 8.0                    |             |

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| OJECT: 25                             | 3568       |                  | REV:0            |                                       |                    |                                       |     | REVIEW CO<br>BLK 7G2 · |          | <br>3 1            |       |            |                |                                       | TATUS: AC        | т wo            | RK ORDE    | R: 29/ | 0700   |
|---------------------------------------|------------|------------------|------------------|---------------------------------------|--------------------|---------------------------------------|-----|------------------------|----------|--------------------|-------|------------|----------------|---------------------------------------|------------------|-----------------|------------|--------|--------|
|                                       |            |                  | O BLK 7G2        |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            | <b></b>        |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     | BONNER                 |          |                    |       |            |                | PHON                                  | E: 999-99        | 99 1            | LOCATIC    | N 553  | OF 587 |
| KK <br>-C MU ID                       | AU ID      | STOCK#[          |                  | DESCRIPT                              |                    |                                       |     |                        | RQD      | UM                 | RSP   | RSP        | TRT            | TRT                                   | STANDARD<br>PAGE | TYPE            | HOURS      |        |        |
| 1                                     |            | 162690           | HAND HO<br>QUAZI | DLE 3309<br>TTE BOX                   | .2 37"X            | 26" X                                 | 26" |                        | 1        | l   EA  <br>L   EA |       | 1<br>1 c : | S  <br>        | C  <br>                               | 3309.2           | 35WF3<br>       | [ 0.8]<br> |        |        |
| N  <br>                               | X09H26<br> | 162690           | INSTALI<br>QUAZI | L EXCAVA<br>ITE BOX                   | TION/RE<br>37"X26" | MOVE<br>26"                           |     |                        | 1        | L   EA             | C     | 1          | ] S [          | CI                                    | 3309.2           | <br> 35WF3<br>  | 0.81       | -      |        |
| N                                     | 1-3SLB<br> | 322048           | 1-3 IN<br>BEND   | CONDUIT                               | DB 3 I             | N 90 D                                |     |                        | 1        | 3   EA  <br>3   EA |       | !<br>! C   | i i            | C  <br>[                              | 3373.2           | 3-WF3<br>       | [ ]        |        |        |
| i                                     | I.         | 656400 <br> <br> |                  | RY MIX,<br>/REPLACE                   |                    |                                       |     |                        | 1        | 1 1                | 1 1   | 1 1        | <br>   <br>  S | 1                                     |                  | <br> <br> 3-WF3 | i I        |        |        |
| RK FAC                                |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
| NC CODE                               | DESC       |                  | EXIST            | I TAG                                 | NEW TA             | ١G                                    |     |                        |          | C                  | CONSI | IRUC:      | TION           | NOTE                                  | S                |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     | SI                     | EE SHT ! | 5                  |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                | · · · · · · · · · · · · · · · · · · · |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
| · · · · · · · · · · · · · · · · · · · |            |                  |                  | ·                                     |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  | · · · · · · · · · · · · · · · · · · · |                    | · · · · · · · · · · · · · · · · · · · |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  | · · · · · · · · · · · · · · · · · · · |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |
|                                       |            |                  |                  |                                       |                    |                                       |     |                        |          |                    |       |            |                |                                       |                  |                 |            |        |        |

| OCATION:         554         SHEET:           WRK                                F-C MU ID         AU ID          ST          + | OLANDO BLK 7G2 T&C JOB 1<br>01 DISTRICT: CM DESIG<br>OCK#  DESCRIPTION/C<br>  MACH DIG TRENCH 3 | NED BY: GEORGE BONNE          | R<br>L OTY |                            |                 |              |              | <br>PHON       | E: 999-99        |                |                          |            |
|---|---|-------------------------------|------------|----------------------------|-----------------|--------------|--------------|----------------|------------------|----------------|--------------------------|------------|
| OCATION: 554 SHEET:<br>WRK     <br>F-C MU ID  AU ID  ST<br>   | 01 DISTRICT: CM DESIG   | NED BY: GEORGE BONNE          | R<br>L OTY |                            |                 |              |              | PHON           | T: 999-99        | <u>م</u> ۲     | LOOD TT ON               | · == 1 0 P |
| F-C MU ID  AU ID  ST<br>  | OCK# DESCRIPTION/C  | ONSTRUCTION NOTES             | I QTY      |                            |                 |              |              |                |                  |                |                          |            |
| I-N]  BH03XH <br>     X2<br>     11   | MACH DIG TRENCH 3   |                               | I RQD      | ្រាស                       | WRK             | MAT <br> RSP | TIM <br>TRT! | ACC  <br>TRT [ | STANDARD<br>PAGE | CREŴ<br> TYPE  | EST  <br> HOURS          |            |
|   | 0201) TRAFFIC BEARING S<br>4215) ASPHALT, COLD MIX  | FT DEEP BACKHOE<br>TEEL PLATE | 1<br>1<br> | 5   FT<br>4   EA<br>1   TN |                 | 1 I          | S  <br>      | СI             | G7453            | C-BC<br> C-BH  | 0.2 <br>  0.2 _<br>  0.4 |            |
| 1   | TRENCH SPOIL 3 FT<br>00071 DUMPING FEE  | DEPTH                         | 1          | 5 F1<br>2 CY               | i c             |              | - ,          | C              |                  | IC-DT          | 0.41                     |            |
| I-NI  SLR-18  | I BACKFILĹ SLUŘRY 18<br>6400  SLURRY MÍX, 1 SAC   |                               |            | .5   F1<br>1   CY          |                 |              |              | с !<br>        |                  | 3-WF3<br> <br> | I I                      |            |
| I-N  SAW-CC   | SAW CUT CONCRETE  |                               | įı         | 0 FT                       | ri c            |              | SI           | Сİ             |                  | SR-3C<br>      | 1.5                      |            |
| 24  | CONCRETE SIDEWALK S<br>82051 CONCRETE - 6 SACK  |                               |            | 1 E#<br>1 CY               |                 | c            | S  <br>]     | CI             |                  |                | 1.0 <br>   _             |            |
| I-N   1EB3SL <br>     24  | 1-3 IN EB CONDUIT S<br>9664  CONDUIT DB 3 IN 2<br>6400  SLURRY MIX, 1 SAC                       | 20 FT LENGTH                  | i 7<br>I   | 6 F1<br>6 F1<br>2 CY       |                 | C  <br>  C   |              | i              |                  | 3-WF3          | 1.1 _<br>   <br>   _     |            |
| 32  | 1-3 IN DB 90 D 36 I<br>2048  BEND CONDUIT DB 3<br>6400  SLURRY MIX, 1 SAC                       | 3 IN 90 D 36 IN R             | 1          | 1 EF<br>1 EF<br>1 CY       | AI C<br>AI<br>( | C<br>  C     | S [          | сi             | 3373.2           | 3-WF3<br> <br> | 0.1                      |            |
| <br>I-N   LN-S/U1   | <br>  TC-LANE CLOSURE URE   | BAN STREET                    | Ì          |                            | i c             | [<br>[       | S            | с              | 1                |                |                          |            |
| 1 1 1   |   |                               |            | <br>1 E2                   | 41 C            | 1            | S            | с              |                  |                | <br>  1.0 _              |            |
| WORK FAC<br>FUNC CODE DESC  | EXIST TAG NEW   | TAG                           |            |                            | CONS            | TRUC         | FION         | NOTI           | ES               |                |                          |            |
| <b></b>   |   |                               | SEE SHT    | 5                          |                 |              |              |                |                  |                |                          |            |

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| ROJECT: 25    | 3568 0                 | JOB:01           | REV:0 TYPE: UD NAME: ROLANDO BLK  | 7G2 -T&C JOB | 1                  |                  |               |       |          | STATUS: AC      | T WOR            | K ORDER: 2960700     |
|---------------|------------------------|------------------|---|--------------|--------------------|------------------|---------------|-------|----------|-----------------|------------------|----------------------|
|               |                        |                  | D BLK 7G2 T&C JOB 1 STR   | ATUS: ACT    |                    |                  |               |       |          |                 |                  |                      |
|               |                        | ?ም• ሳ1 ፣         | DISTRICT: CM DESIGNED BY: GEORGE BONNE  | 210          |                    |                  |               |       | DUO      |                 | 999 L            | OCATION 555 OF 5     |
| JRK I         | 1                      | I 1              | DESCRIPTION/CONSTRUCTION NOTES  |              |                    | NOV              | 1 1 1 1 1 1 1 | I TTM | ( acc    |                 | CREW  <br> TYPE  | EST  <br>HOURS       |
| [ <b>-</b> N  | 3'HD-A                 | I E              | HAND DIG TRENCH 3 FT DEEP AVE   | 1 5          |                    |                  |               | S     | C        | G7453           | 3-WF3 [          | 2.3                  |
| E-Ň           | <br>  BKF-3 '<br> <br> |                  | BACKFILL TRENCH 3 FOOT DEEP   | 15           | <br>  FT<br>       | 1<br>1 C<br>1    |               | s     | i c<br>I | 1               | C-BC             | 0.1                  |
|               | SHD-12                 | <br> 611492 <br> | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               |              | FT<br>  TN         | <br>  C<br> <br> |               |       | [        | G7405           | IC-DT            | <br> <br>            |
| 2-N           | 1DB3-S                 | 1 1              | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 1 5          | FT<br> FT          | )<br>) C<br>)    |               | S     | • •      | (3373.1<br>!    |                  | 0.1                  |
|               | R-XCES                 | i i              | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   |              | FT<br> CY          | 1<br>1 C<br>1    |               | Ş     |          | [               | • •              | 0.1                  |
| E-N           |                        | 1 1              | REMOVE/REPLACE LANDSCAPING  | 1 5          | <br>  FT           | i C              |               | s     | l C      | l               | 13-WF3           | 0.5                  |
| I-N <br> <br> | BH03XH<br> <br>        | <br> X20201      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 4            | FT<br>  EA<br>  TN | 1                |               |       |          | IG7453<br> <br> | C-BH  <br> 3SWF4 | 0.21<br>0.21<br>0.41 |
|               | REM-3'                 | 1 L              | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  |              | FT<br> CY          | 1<br>1 C<br>1    |               |       | C        | E               | <br> C-DT  <br>  | 0.4                  |
|               | SLR-18                 | 1 1              | BACKFILL SLURRY 18 IN WIDE X 12 IN DEE!<br>SLURRY MIX, 1 SACK SAND                          | • • • •      | FT<br> CY          |                  |               | -     | i c      | G7409           | 3-WF3            | 1                    |
|               | 1E33SL <br> <br>       | [<br>[249664]    | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 5            | FT<br> CY          | l                | C  <br>  C    | _     | 1        |                 |                  | ····                 |
| -N1           | iln-s/u                | i i              | TC-LANE CLOSURE URBAN STREET  | 1            |                    | i c              |               |       |          | ĺ               |                  | 1.0                  |
| i             | 1 1                    |                  | LANE CLOSÚRE URBAN ST (STREET REPAIR)   |              |                    |                  |               |       |          |                 | <br> TC4         |                      |

SEE SHT 5

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Block 7G2 UUP Attachment E – Technical Specifications

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|                     | 253568 JOB:01                         | REV:0 TYPE: UD NAME: ROLANDO BLK 70   | G2 -T&C JOB 1      |            |          |          | :<br>    | STATUS: A          | CT WO                        | RK ORDE  | R: 2960700   |
|---------------------|---------------------------------------|---|--------------------|------------|----------|----------|----------|--------------------|------------------------------|----------|--------------|
| IGN: 01             | NAME: ROLANI                          |   | TUS: ACT           |            |          |          |          |                    |                              |          |              |
| ATION:              |                                       | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                       | R                  |            |          |          | PHO      | NE: 999-9          | 999                          |          | N 556 OF 587 |
| KKI                 | I I I<br>IAU ID  STOCK#I              |   | QTY  <br>  RQD  UM | RSP        | RSP      | TRT      | TRT      | STANDARI<br>  PAGE | TYPE                         | HOURS    |              |
| -N                  | 3'HD-A                                | HAND DIG TRENCH 3 FT DEEP AVE   | j 5 FT             | C          | [        | S        | с        | G7453<br>          | 3-WF3                        |          |              |
| -N1                 | 1 1                                   | BACKFILL TRENCH 3 FOOT DEEP   | 5 FT               | 1 C I<br>I | 5<br>1   | S  <br>1 | C I      |                    | 3-WF3<br> C <b>-</b> BC      | 0.1      |              |
| -N <br> <br>        | [611492 <br>                          | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED | 1 TN<br>           | ļ          | i<br>I C | S  <br>  |          | 1                  | <br> 3-WF3<br> C-BH<br> C-DT | l :      |              |
| ]<br>[-N            | 249664                                | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                         | 5 FT               | i c        | 1 C      | S        | i C<br>I | 3373.1<br>         | <br> 3-WF3<br>               | j 0.1    |              |
| (-N                 | X30007                                | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE                               | 5 FT               | i c        | <br>  C  | S        | C<br>    | <br>[              | C-DT                         | 1        |              |
| <br>I-N             |                                       | REMOVE/REPLACE LANDSCAPING  | 5 FT               |            | l I      | S        | I C      | 1                  | 3-WF3                        | 1 0.5    | •            |
| 1<br>I-N            |                                       | <br>  TC-LANE CLOSURE URBAN STREET  | 1 EA               | , C        | 1        | 5        | C        | Ì.                 | TC3                          |          |              |
| 1-N                 | <br> LN/S/S                           | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)                                   |                    | <br>  C    |          |          |          | ļ                  | TC4                          |          |              |
| WORK F7<br>FUNC COI |                                       | EXIST TAG NEW TAG   | SEE SHT 5          | CONS       | TRUC     | TION     | NOT      | ES                 |                              | ,        |              |
|                     |                                       |   |                    |            |          |          |          | ,                  |                              |          |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              |          |              |
|                     |                                       |   |                    |            |          |          |          | ·                  |                              |          |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              | -        |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              |          |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              | -        |              |
|                     | · · · · · · · · · · · · · · · · · · · | ·   |                    |            |          |          |          |                    |                              |          |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              | <u>.</u> |              |
|                     |                                       |   |                    |            |          |          |          |                    |                              |          |              |

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| ROJECT:       | 253568          | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  | -TeC JOB          | 1                        |             |          |               |      |                |                          |                          | R: 2960700  |
|---------------|-----------------|-------------------------|---|-------------------|--------------------------|-------------|----------|---------------|------|----------------|--------------------------|--------------------------|-------------|
| ESIGN: (      |                 |                         | O BLX 7G2 T&C JOB 1 STATUS  |                   |                          |             |          |               |      |                |                          |                          |             |
| CATION:       | 557 SHE         |                         | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                          |             |          |               | PHOI | NE: 999-99     | 999                      | LOCATIO                  | N 557 OF 58 |
| F−C MU I      | <br>D  AU ID    | !  <br>{ stock#         | DESCRIPTION/CONSTRUCTION NOTES  | QTY<br>  RQD      | UM                       | IRSP        | RSP      | TRT           | TRT  | STANDARD       | TYPE                     | HOURS                    |             |
| I−N           | 3'HD-A<br>      |                         | HAND DIG TRENCH 3 FT DEEP AVE   | l 20              | FT                       | I C         |          | S             | С    | G7453          | 3-WF3                    | 7.7                      |             |
|               |                 | i i                     | BACKFILL TRENCH 3 FOOT DEEP   | I                 | FT<br>                   | i c<br>I    | İ        | l S           | с    |                | 3-WF3<br> C-BC           | 0.3 <br>  0.3            |             |
| I-N <br> <br> | 1               | 611492 <br>             | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | 20<br>  2         | TN                       | C<br> <br>  | i c<br>I | i<br>I        | ¢    | G7405<br> <br> | 3-WF3<br> C-BH<br> C-DT  | 0.11<br>0.11             |             |
| L-N1          | 1               | i i                     | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                       | i 20<br>i 20      | FT                       | i c<br>I    | i<br>I C | 1             | С    | 3373.1         | 1                        | 0.3                      |             |
| -N <br>       | R-XCES          | i i                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | i 20<br>1 2       | <br> FT<br> CY           | i c         | 1        | S             | С    |                | 1                        | 0.5 <br>                 |             |
| -N            |                 | i i                     | CONCRETE 2 SAW CUT AND BREAK MECH   | 1 20              | · · · ·                  | <br>  C     | 1<br>1   | 1 5           | с    |                |                          | [ 0.8]                   |             |
|               | CC-M12          | <br> 248204             | CONCRETE REPAIR FOR TRENCH MECH 12 IN<br>CONCRETE - 5 SACK (3/4" ROCK MIX)                  |                   | <br>  FT<br>  CY         | <br>  C<br> | с        | S  <br>       |      |                | SR3CS                    | 0.1 <br>  0.1            |             |
| -N <br>       | BH03XH<br> <br> | X20201                  | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 20<br>  1         | <br>  FT<br>  EA<br>  TN | -<br> <br>  | C        | i i           | i    | G7453          | IC-BC<br>IC-BH<br>I3SWF4 | 1.0]<br>  1.0]<br>  2.1] |             |
| [-N <br>      | REM-3'<br>      | (X30007                 | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 26<br>i 7       | CY                       | I C<br>I    | ¢        | <br>  S       | -    |                | C-DT                     | 2.31                     |             |
| -N1           | 1               | i i                     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 78<br>  5         | <br> FT<br> CY           | i c<br>I    | С        |               | C    | G7409          | 3-WF3<br>                | 0.2                      |             |
| :-N <br> <br> | 1EB3SL<br> <br> | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 26<br>  26<br>  1 | ET<br>CY                 | C<br> <br>] | c<br>c   |               |      | 3376.1         | 1                        |                          |             |
| -N            | SAW-CC          | • •                     | SAW CUT CONCRETE  |                   | FT                       | •           |          | <br>  S       | c I  |                |                          | 1.5                      |             |
| -N            |                 | [<br> 248205            | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)               |                   | <br>  EA  <br>  CY       |             | с        | <br>  S  <br> |      |                | <br> SR3CS<br>           | 3.01                     |             |
| -N]           | lLN-S/U         |                         | TC-LANE CLOSURE URBAN STREET  |                   |                          | l<br>I C    |          |               | сI   |                | I<br>I TC3               | 1.0                      |             |
| -N [          | i<br>[ln/s/s    |                         | LANE CLOSURE URBAN ST (STREET REPAIR)   |                   | EA                       |             |          | <br>  S       |      |                |                          | <br>  1.0                |             |

SEE SHT 2

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| 25                | 3568             | IOB 01           |   | TCC TOP         | 1          |             |                |                    |      | STATIS · AC        | т WO7                            | K ORDE                   | R: 2960700                                   |
|-------------------|------------------|------------------|---|-----------------|------------|-------------|----------------|--------------------|------|--------------------|----------------------------------|--------------------------|--|
|                   |                  |                  |   |                 |            |             |                |                    |      | <b></b>            |                                  |                          |  |
|                   |                  |                  |   |                 |            |             |                |                    | рној | NE: 999-99         | 99 3                             | LOCATIO                  | N 538 OF 58                                  |
|                   |                  |                  | **************************************  |                 |            |             |                |                    |      | STANDARD           |                                  |                          | <u>.                                    </u> |
| WRK <br>F-C MU ID | AU ID            | STOCK#           | DESCRIPTION/CONSTRUCTION NOTES  | I RQD           | I UM       | WKK<br> RSP | MAT  <br>  RSP | TIM / Z<br>TRT [ 2 | TRT  | SIANDARD<br>  PAGE | TYPE                             | HOURS                    | <b></b>                                      |
| I-N               | 3'HD-A           | [                | HAND DIG TRENCH 3 FT DEEP AVE   | 1 43            | FT         | [ C         |                | S                  | С    | G7453<br>          | [3-WF3                           | 1 10.01                  |  |
| I-NI              | <br>  BKF-31     | i i              | BACKFILL TRENCH 3 FOOT DEEP   | i 43            | [FT]       | I C         | i I            | S                  | С    | ,<br> <br> <br>    | 13-WF3                           | 0.6                      |  |
|                   | <br>  SHD-12<br> |                  | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED               | i 43            | FT<br>  TN | 0  <br>     | I I<br>I C I   | S I                | С    | [G7405<br>]<br>1   | 3-WF3<br> C-BH                   | 0.1 <br>  0.1            |  |
| I-N               | 1                | 249664           | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 43              | FT         | C           | 1 1            | \$                 | С    | 3373.1             | 1<br> 3-wf3<br>                  | 0.6                      |  |
| I-N <br>          | 1                | <br> X30007      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 43              | FT<br>  CY | C<br>       | C              | S  <br>            | С    | ]                  | C-DT                             | 1.1                      | _  |
| <br>  I – N       |                  | 1                | CONCRETE 2 SAW CUT AND BREAK MECH   | 43              | FT         | C           | : 1            | S I                | ¢    | 1                  | SR3AS                            | 1.7[                     |  |
| I-N               | <br> CC-M12<br>  | 248204           | CONCRETE REPAIR FOR TRENCH MECH 12 IN<br>CONCRETE - 5 SACK (3/4" ROCK MIX)                  | i 43            | FT<br>  CY | 0  <br>1    | c I            | S  <br>1           | С    | ]                  | C-BC<br>SR3CS                    | 0.11<br>0.31             |  |
| I-N  <br>    -N   | BHO3XH<br> <br>  | 114215           | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX       | 5<br>  4<br>[ 1 |            | C<br> <br>  | c              | •                  | С    | G7453<br> <br>     | <br> C-BC<br> C-BH<br> 3SWF4<br> | 0.2 <br>  0.2 <br>  0.41 |  |
| <br>]I-N[<br>]    | REM-3'           | X30007           | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | i 5             | FT         | i ¢         | i i            | S 1                | С    | 1                  | C-DT                             | 1 0.4                    |  |
| <br> I-N <br>     | SLR-18           |                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                          | 15<br>  1       | I FT       | c c         | <br>  C        | S  <br>            | С    | G7409<br>          |                                  |                          |  |
| I-N <br>          |                  | 249664<br>656400 | 1-3 IN EB CONDUIT SLURRY ÉNCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 5<br>  5<br>  1 | FT         | C<br>I      | i I            | <b>5</b>  <br>     | С    |                    | 3-₩₹3                            | 1 0.1<br>1               |  |
| I-N               | <br> LN-S/U      | 1                | TC-LANE CLOSURE URBAN STREET  | 1               | EA         | i c         |                | S                  | С    | 1                  | TC.3                             |                          | =  |
| I-N               | LN/S/S           |                  | LANE CLOSURE URBAN ST (STREET REPAIR)   | í 1             | IEA        |             | i i            |                    | С    | l                  |                                  | 1 1.0                    |  |
| <br> I-N          | <br>  СС-2СТ     | Í.               | CONCRETE 2 SAW CUT AND BREAK MECH   | j 5             | FT         | i c         | ו<br>ן<br>ן    | I S I              | С    | 1                  | I SR3AS                          | 0.2                      | ]  |
|                   | I<br>ICF-H18     | 1                | FINISH CONCRETE SURFACE MAN 18 IN   |                 |            |             | 1              |                    |      |                    | SR3CS                            |                          | ¦  |

Work FAC FUNC CODE DESC

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EXIST TAG NEW TAG

### CONSTRUCTION NOTES

## SEE SHT 4

| OCATION: 5            | 50 CUF               |                         | DO BLK 7G2 T&C JOB 1 STAT<br>DISTRICT: CM DESIGNED BY: GEORGE BONNER                                   |                   |                            |          |                  |      | PHO              | JE: 999-99 |                                 |                                   | N 559 OF 58 |
|-----------------------|----------------------|-------------------------|--|-------------------|----------------------------|----------|------------------|------|------------------|------------|---------------------------------|-----------------------------------|-------------|
| <br>WRKI              |                      |                         |  |                   | 1                          | IWRK     | імат             | ITTM |                  | STANDARD   |                                 | . דפיד ו                          |             |
| I-N[                  | [3'HD-A              | .                       | HAND DIG TRENCH 3 FT DEEP AVE  |                   |                            |          |                  |      |                  | G7453      |                                 |                                   |             |
| I-NI<br>I             | Į                    | i i                     | <br>  BACKFILL TRENCH 3 FOOT DEEP<br>  | <br>  85<br>      |                            |          |                  | S    | 1 C '            |            | 3-WF3                           | 1.3                               |             |
| I – N [<br>[          | <br> SHD-12<br>      | <br> <br> 611492 <br>   | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br>              | <br>  85<br>  5   |                            |          | <br> <br>  C<br> |      | C<br> <br>       | G7405      | <br>  3-WF3<br>  C-BH<br>  C-DT | 0.3 <br>  0.3 <br>  0.3 <br>  0.3 |             |
| r-n                   | 1                    | 249664                  | <br>  1-3 IN DB CONDUIT SEC<br>  CONDUIT DB 3 IN 20 FT LENGTH  | 1 85              | FT                         |          | i C              | 1    | C                | 3373.1     | 13-WF3<br>1                     | • •                               |             |
| N                     | 1DB3-8<br>           | 321878                  | I<br>  1-3 IN D3 45 D 36 IN R BEND PRI<br>  BEND CONDUIT DB 3 IN 45 D 36 IN R                          | 2<br>  2          | EA<br>  EA                 | i c<br>I | [<br> <br>  C    | IS   |                  | 3373.2     | l                               |                                   |             |
| (-N                   | İ.                   | X30007                  | )<br>EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | 85<br>  8         | ĊY                         | i C<br>I | c                |      | C                |            | I                               | 2.1                               |             |
| I-N                   |                      |                         | ASPHALT 2 SAW CUT AND BREAK MECH   | 85                | ] FT                       | l<br>IĊ  |                  | S    | l c              |            |                                 | 2.2                               |             |
|                       | ]AS <b>-</b> M12<br> | <br> X20022 <br> 114201 | <br>  ASPHALT BASE & TOP MECH 12 IN<br>  GRIND ASPHALT (PER SF)<br>  ASPHALT (BASE)<br>  ASPHALT (TOP) | 85<br>  85<br>  7 | FT<br>  SF<br>  TN<br>  TN | i c      |                  |      | C  <br>     <br> |            | SR-3A                           | 5.7[<br>5.7]                      |             |
| [<br>-N               | LN-\$/U              |                         | <br>  TC-lane closure urban street   | <br>  1           |                            | <br>  c  |                  |      |                  |            | TC3                             | 1.0                               |             |
|                       |                      | 1 1                     | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)  | 1                 | <br>  EA                   | <br>  C  | 1                |      | [  <br>[ C       |            | •                               | <br>  1.0                         |             |
| NORK FAC<br>FUNC CODE |                      | <b></b> ,               | EXIST TAG NEW TAG  | SEE SHT 4         |                            | CONST    | TRUC             | TON  | NOTE             |            |                                 |                                   |             |

| DP001EM2-<br>09/05/17 | LOCAL40-0<br>11:36 | 01                      | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CC   | DECTRIC         | TAI                | L          |             |                |            |                      |                         | F                  | AGE NO 642   |
|-----------------------|--------------------|-------------------------|--|-----------------|--------------------|------------|-------------|----------------|------------|----------------------|-------------------------|--------------------|--------------|
| PROJECT: :            | 253568             | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 762 -   | -T&C JOB        | 1                  |            |             |                | 1          | STATUS: AC           | T WO                    | RK ORDE            | R: 2960700   |
|                       |                    |                         | 0 BLK 7G2 T&C JOB 1 STATUS:  |                 |                    |            |             |                |            |                      |                         |                    |              |
| LOCATION:             | 560 SHE            | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                 |                    |            |             |                | PHO        | NE: 999-99           | 99                      | LOCATIC            | N 560 OF 587 |
| WRK <br> F-C MU I     | <br>D  AU ID       | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD    | <br>  UM           | WRK<br>RSP | MAT         | TIM)           | ACC<br>TRT | STANDARD             | CREW                    | EST  <br> HOURS    |              |
| I-N                   | 13'HD-A            | 1 1                     | HAND DIG TRENCH 3 FT DEEP AVE  | 1 10            | I FT               | I C        | 1           | 1 S I          | С          | G7453                | 13-WF3                  | 4.10               |              |
| 1                     | 1                  | I I                     | BACKFILL TRENCH 3 FOOT DEEP  | 10              | 1<br>  FT<br>      | i c        |             | SI             | Ċ          | 1<br>1<br>1          | 3-wF3<br> C-BC          | i 0.2 <br>  0.2    |              |
| I-N <br>   <br>       | SHD-12             |                         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 10<br>  1       | FT<br>  TN<br>     | C<br> <br> | <br>  C<br> | S  <br>   <br> | С          | G7405<br> <br>[      | 3-WF3<br> C-BH<br> C-DT | [<br>  ]<br>  ]    |              |
| I-N                   | I.                 | 249664                  | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH  | 10              | FT                 | C          | 1           | 5              | Ć          | <br> 3373.1<br> <br> |                         | 0.2                |              |
| <br> I-N <br>         | R-XCES             |                         | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 10            | ] FT               | L C        |             | 51             | С          | l<br>E               | <br> C-DT<br> <br>      | 0.3                | <del>.</del> |
| I-N                   |                    |                         | CONCRETE 2 SAW CUT AND BREAK MECH  | 10              | ] FT               | 1 C        |             | 5              |            | I                    | SR3AS                   | 0.4                |              |
| I-N                   | i                  | 248204                  | CONCRETE REPAIR FOR TRENCH MECH 12 IN<br>CONCRETE - 5 SACK (3/4" ROCK MIX)                             | 10              | FT<br>  CY         | C<br>      | 1<br>  C    | S  <br>        | с          | l<br>L               | C-BC<br> SR3CS          | 0.1                | <u> </u>     |
| I-N <br>  I-N         | внозхн             | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRÀFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 5<br>  4<br>  1 | EA<br>  TN         | l C<br>l   | C  <br>  C  |                | С          | G7453<br>            | C-BC<br> C-BH<br> 3SWF4 | 0.2                |              |
| I-N <br>              | REM-3'             | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | 1 5             | FT                 |            | ~           |                | Ċ          | ł                    | <br> -C-DT<br>          | 0.4                |              |
| I-N  <br>  I -N       | SLR-18<br>         | <br>   <br> 6564001     | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 15            | I C.J.             |            | i c i       |                | ¢          | G/409                | <br> 3-wf3<br> <br>     | i i<br>I i         | <u> </u>     |
|                       | 1EB3SL             | 249664                  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 5<br>  5<br>  1 | FT<br>  FT<br>  CY |            | C  <br>  C  | S              | С          | 3376.1               |                         | i 0.1j             |              |
| I-N]<br>  I-N]<br>    | 1-3SLB<br> <br>    | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                 | ICY.               | ic<br>I    |             |                | с          | 3373.2               | l                       | 0.1[<br>  0.1[<br> |              |
| I-N                   | LN-S/U             | [ [<br>] ]              | TC-LANE CLOSURE URBAN STREET   | 1               | EA                 | 1<br>1 C   | <br>[ ]     | S              | с          | 1<br>                | <br> TC3                | <br>  1.0          |              |
| <br> IN               | <br>  LN/S/S       |                         | LANE CLOSURE ÜRBAN ST (STREET REPAIR)  | <br>  1         |                    |            |             |                |            |                      | <br> TÇ4                | <br>  1.0          |              |

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CONSTRUCTION NOTES

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| 09001EM2<br>09/05/17 | -LOCAL40-001<br>11:36             | SAN DIEGO GAS AND EI<br>DPSS - DESIGN REVIEW COM  | LECTRIC PAGE NO 643<br>PY - DETAIL  |
|----------------------|-----------------------------------|---|---|
| PROJECT:             | 253568 JOB:01                     | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -1   | T&C JOB 1 STATUS: ACT WORK ORDER: 2960700   |
| ESIGN:               | 01 NAME: ROLAN                    | DO BLK 7G2 T&C JOB 1 STATUS:  |   |
|                      |                                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER   | PHONE: 999-9999 LOCATION 561 OF 58  |
| WRK <br>F-C[MU       | <br>ID  AU ID  STOCK#             | DESCRIPTION/CONSTRUCTION NOTES  | QTY    WRK MAT TIM ACC STANDARD  CREW   EST  <br>  RQD  UM RSP RSP TRT TRT  PAGE  TYPE  HOURS   |
| 1-N                  | 3'HDA                             | HAND DIG TRENCH 3 FT DEEP AVE   | 4  FT  C     S   C  G7453  3-WF3  1.9 <br>  |
| I-N[<br>[            | BKF-3 '  <br>                     | BACKFILL TRENCH 3 FOOT DEEP   | 4 FT C    S C    3-WF3  0.1 <br>                C-BC[ 0.1]  |
| I−N <br> <br>        | SHD-12 <br>   611492<br>          |   | 4 FT C    S C G7405  3-WF3   <br>  1 TN   C       C-BH   <br>               C-DT  |
| I-N[<br>[            | <br> 1DB3-5 <br>   249664         | 1-3 IN DE CONDUIT SEC<br>1 CONDUIT DE 3 IN 20 FT LENGTH   | 4 FT C   S C 3373.1  3-WF3 0.1  |
| I-N <br>             | R-XCES                            | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE   | 4 FT C   S C   C-DT   0.1   |
| I-NI                 |                                   | CONCRETE 2 SAW CUT AND BREAK MECH   |   |
| ĭ−N <br>             | CC-M12 <br> CC-M12 <br>   248204  | CONCRETE REPAIR FOR TRENCH MECH 12 IN<br>CONCRETE - 5 SACK (3/4" ROCK MIX)  | 1     1     1     1     1     1     1       1     4   FT   C       1     S   C       1   C - BC       1       1     1   CY       1   C       1     SR3CS       1  |
| I-N <br> <br>        | 3H03XH  <br>    X20201            | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE  | 1     1     1     1     1     1       1     165     FT     C     1     S     C     IC-BC     6.6       1     124     EA     IC     I     IC-BH     6.6       2     2     TN     IC     I     ISWF4     13.2 |
| I-N                  | REM-3' <br>   X30007              | DUMPING FEE   | 165 FT C    S C   C-DT  14.5  |
| r-n <br>             | SLR-18                            | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>  SLURRY MIX, 1 SACK SAND  | [ 19 CY] [ C [       ]  |
| I-N <br>             | 1EB3SL <br>  [249664<br>  [656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>  CONDUIT DB 3 IN 20 FT LENGTH<br>  SLURRY MIX, 1 SACK SAND   |   |
| ן<br>ד-או<br>ז       | 322144<br>   656400               | <ul> <li>1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED</li> <li>BEND CONDUIT DB 3 IN 22.5 D 25 FT R</li> <li>SLURRY MIX, 1 SACK SAND</li> </ul> | 1   |
| I-NI                 | <br> LN-S/U                       | TC-LANE CLOSURE URBAN STREET  |   |
| ī−n[                 | [LN/S/S]                          | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   |   |
| ⊆-Ń                  | <br> CC-2CT <br>                  | CONCRETE 2 SAW CUT AND BREAK MECH   |   |
| <br>I-N              |                                   | <br>  FINISH CONCRETE SURFACE MAN 18 IN   | ]   |

| DP001EM2-LOCF<br>09/05/17 11:3 |            |              |       |       |        |            | GAS AND ELECTRIC<br>REVIEW COPY - DETA | IL                                    |         |         | PAGE NO            | 644 |
|--------------------------------|------------|--------------|-------|-------|--------|------------|--|---------------------------------------|---------|---------|--------------------|-----|
| PROJECT: 2535                  |            | REV:0        | TYPE  | : UD  | NAME:  | ROLANDO    | BLK 7G2 -T&C JOB 1                     |                                       |         |         | WORK ORDER: 2960   |     |
| DESIGN: 01                     | NAME: ROLA | NDO BLK 7G2  | TAC J | OB 1  |        |            | STATUS: ACT                            |                                       |         |         |                    |     |
| LOCATIÓN: 563                  |            |              |       |       |        | GEORGE     | BONNER                                 |                                       | PHONE : |         | LOCATION 561 ON    | 587 |
| WORK FAC<br>FUNC CODE          | DESC       | EXIST        | TAG   | NEW   | TAG    |            |  | CONSTRUCTION                          |         |         |                    |     |
|                                |            |              |       |       |        |            | SEE SHT 4                              |                                       |         |         |                    |     |
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|                                |            |              |       |       |        | <u></u>    |  |                                       |         |         |                    |     |
|                                |            |              |       |       |        |            |  |                                       | ······  |         |                    |     |
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|                                |            |              |       |       | •••••• |            |  |                                       |         |         |                    |     |
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| LOCATION: 5        | 62 SHE      | ET: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER                                       |   |    |                |          |           |     | PHO | NE: 999-99           | 999                 | LOCATIO         | N 562 OF 587 |
|--------------------|-------------|-------------------------|---|---|----|----------------|----------|-----------|-----|-----|----------------------|---------------------|-----------------|--------------|
| WRK                |             |                         | DESCRIPTION/CONSTRUCTION NOTES  |   |    | UM             | RSP      | RSP       | TRT | TRT | STANDARD<br>  PAGE   |                     | EST  <br> HOURS |              |
| · · · ·            | 13313TC     | i i                     | HANDHOLE 3313 WITH TRAFFIC COVER<br>3313 TRAFFIC COVER HANDHOLE COMPLETE      |   | 10 |                | i c      |           |     | ·   | 3313<br>             |                     | 30.0 <br>  5.0  |              |
|                    | IX13H-A     | <br>                    | EXCAVATE 3313 HANDHOLE  |   | 1  | EA             |          | <br> <br> | s   | с   | 3313.2               | <br> 3swf3          | 0.4             |              |
| I-N                | CC-1CT      |                         | CONCRETE 1 SAW CUT  |   | 1  | FT             |          | <br> <br> | Ş   | с   |                      | SR3AS               |                 |              |
|                    |             |                         | ADJUST HH TO GRADE (IN PKY OR NEW CONST)<br>CONCRETE - 6 SACK (3/4" ROCK MIX) |   |    | IEA<br>ICY     | C<br>    | l c       | S   | с   | <br> <br>            | SR3CS<br>  BOOMT    |                 |              |
| I-N]<br>  ]<br>  ] |             | <br> 322048 <br> 656400 |   |   | 3  | EA<br>EA<br>CY |          | C<br>  C  | S   | с   | <br> 3373.2<br> <br> | <br> 3-WF3<br> <br> | 0.21<br>0.21    |              |
| ] ]<br>] I-N ]     | <br> LN-S/U |                         | TC-LANE CLOSURE URBAN STREET  | İ | 1  | <br>[EA        | i<br>i c | <br> <br> | s   | c   | <br> <br>            | TC3                 | 1 1.0           |              |
| I-N]               | ln/s/s      | i i                     | LANE CLOSURE URBAN ST (STREET REPAIR)   | i | 1  | EA             | i c      |           | S   | с   | 1                    | TC4                 | 1.0             |              |

| WRK            | `                 |                         |  |                | 7                  | JDK. |     | TTM1    | DCC | STANDARD        |                  |       |  |
|----------------|-------------------|-------------------------|--|----------------|--------------------|------|-----|---------|-----|-----------------|------------------|-------|--|
| F-CIMU ID      |                   |                         | DESCRIPTION/CONSTRUCTION NOTES   | ROD            | UM                 | RSP  | RSP | TRT     | TRT | PAGE            | TYPE             | HOURS |  |
|                | 13313TC           |                         | HANDHOLE 3313 WITH TRAFFIC COVER<br>3313 TRAFFIC COVER HANDHOLE COMPLETE                               | 10 1<br>  10 1 | EA                 |      |     |         |     | 3313            | BOOMT<br>  3-AF4 | 30.0  |  |
| I-N <br>1      | <br> X13H-A<br>   |                         | EXCAVATE 3313 HANDHOLE   |                | EA (               | с    |     | S       | с   | <br> 3313.2     | 3SWF3            | 0.4   |  |
| 1-N]<br>1      | icc-1ct           | 1 1                     | CONCRETE 1 SAW CUT   | 11             | FT                 | С    |     | Ş I     | с   | '<br> <br>      | SR3AS            |       |  |
| I-N]<br>]<br>1 | ]AD-P-H<br>]<br>1 | <br> 248205             | ADJUST HH TO GRADE (IN PKY OR NEW CONST)<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          |                | EA  <br>CY         | С    |     | S       | С   | <br>            | SR3CS<br>  BOOMT |       |  |
| I-N            | 1-3SLB<br> <br>   | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 3              | EA  <br>EA  <br>CY | С    | C   | S  <br> | с   | 3373.2<br> <br> | 3-WF3<br> <br>   | 0.2   |  |
|                | <br> LN-S/U       |                         | TC-LANE CLOSURE URBAN STREET   |                | <br>EA             | Ç    |     | S I     | ¢   | <br>            | TC3              | 1.0   |  |

SAN DIEGO GAS AND ELECTRIC

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EXIST TAG NEW TAG

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1

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### CONSTRUCTION NOTES

PAGE NO 645

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STATUS: ACT WORK ORDER: 2960700

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| ROJECT: 25        | 3568 3      | TOB:01                  | SAN DIEGO GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                        | 2 -T&C JOB        | 1                  |              |                 |            | 5             | STATUS: AC          | T WOI                   | K ORDE        | R: 2960700  |
|-------------------|-------------|-------------------------|--|-------------------|--------------------|--------------|-----------------|------------|---------------|---------------------|-------------------------|---------------|-------------|
| ESIGN: 01         | NAME :      | ROLAND                  | O BLK 7G2 T&C JOB 1 STAT   | JS: ACT           |                    |              |                 |            |               |                     |                         |               |             |
|                   | c) curr     | - <u>01</u>             | DISTRICT: CM DESIGNED BY: GEORGE BONNER  | <u> </u>          |                    |              |                 |            | PHON          | VE: 999-99          | 99                      | LOCATIO       | N 563 OF 58 |
|                   |             |                         | DESCRIPTION/CONSTRUCTION NOTES   |                   | 12                 | 10702        | ייידימאו        | ואדידיו    | ACC           | USTANDARD           | 1 CREW                  | L EST L       |             |
| I-N               | 3'HD-A      |                         | HAND DIG TRENCH 3 FT DEEP AVE  | 1 20              | FT                 | C            | 1               | S          | Ċ             | G7453               | 3-WF3                   | 1 7.7         |             |
| I-N <br>          | 1           |                         | BACKFILL TRENCH 3 FOOT DEEP  | 1 20              | FT                 | I C          | l<br>I          | S          |               | 1                   | 3-WF3<br> C-BC          | 0.3 <br>  0.3 |             |
| I-NI              | ļ           | i i                     | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 20                | <br> FT<br> TN     |              | 1<br>1 C        | !<br>! S   | C<br>         | <br> G7405<br> <br> | <br> 3-WF3<br> C-BH     | 0.1           |             |
| l I               | 1           | 249664                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH  | 1 20              | FT                 | 1 C          |                 | S<br>      | C             | 3373.1<br>          | 3-WF3<br>               | 0.3 <br>      |             |
| I <b>-N</b>       | R-XCES      |                         | EXCESS TRENCH SPOIL (12 IN DEEP)   | 1 20              | FT                 | 1 C          | 1               | [S         | I C           |                     | 1                       | 0.5           |             |
| <br>I-N           | ICC-2CT     |                         | DUMPING FEE<br>CONCRETE 2 SAW CUT AND BREAK MECH   | 20                | FT                 |              | 1               | S<br>      |               |                     | SR3AS                   | 0.81          |             |
| I-N[              | 1           | <br> 248204             | CONCRETE REPAIR FOR TRENCH MECH 12 IN<br>CONCRETE - 5 SACK (3/4" RÓCK MIX)                             | 20                | FT<br>  CY         | i c<br>I     | i               | S          | 1 C           | 1                   | IC-BC                   | 0.1           |             |
| I-N <br>1         | BH03XH      | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 5<br>  4<br>  1   | EA<br>TN           | ri c         | i c<br>  c      | 5          | i c<br>I<br>I | G7453<br> <br>      | C-BC<br> C-BH<br> 3SWF4 |               |             |
| I-N <br>[         | 1           | X30007                  | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 5               | I FT               | ri c         | i               | S          | I C           | 1                   |                         | 0.4           |             |
| I-N <br>          | SLR-18<br>  | 656400                  | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 15<br>  1       | F1<br>  CY         |              | <br>  C         | S<br>      | C<br>         | G7409<br>           | 13-WF3                  |               |             |
| <br> -N <br>      | 1EB3SL      | 1249664                 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 75<br>  75<br>  2 | FI<br>  FI<br>  CY | ic<br>I<br>I | i<br>  c<br>  c | S<br> <br> | C<br> <br>    | 3376.1<br> <br>     | 3-WF3                   | 1.1           |             |
| <br>I-N <br> <br> | 1-3SLB      | <br> 322048 <br> 656400 | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | E#<br> E#          |              |                 | S          | 1 C<br>1      | 13373.2<br>1        | 3-WF3                   | 0.1           |             |
| 1-N               | <br> ln-s/u | <br>                    | TC-LANE CLOSURE URBAN STREET   | 1                 | <br>. [ E <i>F</i> | 7  C         | 1               | 5          | ċ             |                     | <br>  TĆ3               | 1.0           | ·<br>L      |
| 1<br>I-N          | <br> LN/S/S |                         | LANE CLOSURE URBAN ST (STREET REPAIR)  |                   | <br> E7            | ↓<br>↓  C    | 1               | S          | <br>[ C       |                     | TC4                     | ( 1.0         |             |

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CONSTRUCTION NOTES

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|                   |                 |                          | REV:0 TYPE: UD NAME: ROLAN   |                    |               |                        |            |             |                |            |                 |                     |                  | R: 2960700  |
|-------------------|-----------------|--------------------------|--|--------------------|---------------|------------------------|------------|-------------|----------------|------------|-----------------|---------------------|------------------|-------------|
| ESIGN: 01         | NAME            | : ROLAND                 | ) BLK 7G2 T&C JOB 1  | STATUS: A          | CT            |                        |            |             |                |            |                 |                     |                  |             |
| OCATION: 5        | 64 SHE          | ET: 01 3                 | DISTRICT: CM DESIGNED BY: GEOF   |                    |               |                        |            |             |                |            |                 |                     |                  | N 564 OF 58 |
| WRK <br>F-C MU ID | l<br>[AU ID     | i<br> STOCX#             | DESCRIPTION/CONSTRUCTION   | NOTES              | QTY<br>RQD    | <br> UM                | WRK<br>RSP | MAT<br>RSP  | TIM <br>  TRT  | ACC<br>TRT | STANDARD        | CREW<br> TYPE       | EST  <br>  HOURS |             |
| I-N               | 3'HD-A          | I I                      | HAND DIG TRENCH 3 FT DEEP AVE  | +·<br>C            | 52            | FT                     | С          | I           | S              | с          | G7453           | 3-WF3               | 19.2             |             |
| I-N<br>I          | BKF-3 '<br>     | i i<br>I 1               | BACKFILL TRENCH 3 FOOT DEEP  | 1                  | 52            | FT                     | c          | ]<br>]      | S              | С          |                 | 3-WF3<br>  C-BC     | 0.8              |             |
| [<br>[<br>[       | 1               | i i                      | SHADE TRENCH WITH SAND - 12 INC<br>SAND, FILL RECYCLED MATLS PF                            |                    | 52<br>3       | Ϋ́N                    |            | <br>  C<br> | S  <br>        | с          | G7405<br> <br>  | C-BH<br> C-DT       | 0.2              |             |
| I−N[<br>[         |                 | 2496641                  | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTH                                      | 1                  | 52<br>52      | FT                     | С          | i<br>1 C    |                |            | 3373.1          | <br> 3-WF3 <br>     | Ò.8              |             |
| E-N <br> <br>     | R-XCES          | <br> X300071             | EXCESS TRENCH SPOIL (12 IN DE<br>DUMPING FEE   | 5P) 1              | 52<br>5       |                        | С          | i<br>  C    |                | с          | <br>            | •                   | 1.3              |             |
| I-N               | CC-2CT          | i i                      | CONCRETE 2 SAW CUT AND BREAK N   | ÆCH                | 20            |                        | С          |             | si             |            |                 | SR3AS               | 0.8              |             |
| I-N[<br>[         | і СС-M12<br>І   | i i                      | CONCRETE REPAIR FOR TRENCH MEC<br>CONCRETE - 5 SACK (3/4" ROCK                             |                    | 20<br>2       | ET                     | С          | i c         | S              | С          | 1               | C-BC<br> SR3CS      | 0.1<br>0.1       |             |
| I N [<br> <br>    | 1EB3SL<br> <br> | <br> 2496641<br> 6564001 | 1-3 IN EB CONDUIT SLURRY ENCASE<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND | 1                  | 48<br>48<br>1 | FT  <br>  FT  <br>  CY | С          |             | S  <br>   <br> | С          | 3376.1<br> <br> | <br> 3-WF3<br> <br> | 0.7              |             |
|                   | 1-3SLB<br> <br> | 322048 <br> 656400       | 1-3 IN DB 90 D 36 IN R BEND SLU<br>BEND CONDUIT DB 3 IN 90 D 36<br>SLURRY MIX, 1 SACK SAND | JRRY ENC  <br>IN R | 1<br>1<br>1   | EA  <br>CY             | C          |             | S              |            | 3373.2<br>I     | 3-WF3<br> <br>      |                  |             |
| i i               | 1-3SL8<br>      | 321878                   | 1-3 IN DB 45 D 36 IN R BEND SLU<br>BEND CONDUIT DB 3 IN 45 D 36<br>SLURRY MIX, 1 SACK SAND | IN R I             | 1<br>1<br>1   | EA  <br>CY ]           | С          | i c<br>I c  | S              | -          | l               | 1                   | [                |             |
| I-N               | LN-S/U          | 1                        | TC-LANE CLOSURE URBAN STREET   | 1                  | 1             | EAI                    | C          |             |                | С          |                 |                     | 1.0)             |             |
|                   | 1               | E I                      | LANE CLOSURE URBAN ST (STREET F  | l                  |               |                        |            |             | <br>  S        |            |                 | <br> TC4            | · · · ·          |             |
| WORK FAC          |                 |                          | EXIST TAG NEW TAG  |                    |               | c                      | ONST       | RUC?        | rioni          | NOTI       | <br>Es          |                     |                  |             |
|                   |                 |                          |  | SEE :              | SHT 8         |                        |            |             |                |            |                 |                     |                  |             |

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| DP001EM2-L<br>09/05/17 1          | OCAL40-00<br>1:36 | )1                                  | SAN DIEGO GAS AND<br>DPSS - DESIGN REVIEW C  | ELECTRIC<br>OPY - DE       | TAI              | Ĺ               |                |            |                   |                 |                         | P1                           | AGE NÓ 648   |
|-----------------------------------|-------------------|-------------------------------------|--|----------------------------|------------------|-----------------|----------------|------------|-------------------|-----------------|-------------------------|------------------------------|--------------|
| PROJECT: 2                        | 53568             | JOB:01                              | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2   | -T&C JOB                   | 1                |                 |                |            | 5                 | STATUS: AC      | T WO                    | RK ORDE                      | l: 2960700   |
| DESIGN: 01                        |                   |                                     | D BLK 7G2 T&C JOB 1 STATUS   |                            |                  |                 |                |            |                   |                 |                         |                              |              |
| LOCATION:                         |                   |                                     | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                            |                  |                 |                |            | PHO               | ME: 999-99      | 999 1                   | LOCATIO                      | N 565 OF 587 |
| WRK <br> F-C MU ID                | AU ID             | STOCK#1                             | DESCRIPTION/CONSTRUCTION NOTES   | RQD                        | UM               | RSP             | RSP            | [ TRT      | TRT               | STANDARD        | TYPE                    | HOURS                        |              |
| II-N                              | 13'HD-A           | 1 1                                 | HAND DIG TRENCH 3 FT DEEP AVE  | 107                        | FT               | i c             | 1              | S          | i c               | G7453           | 3-WF3                   | 39.0                         |              |
| II-NI<br>I                        | <br> BKF-3'<br>   | i I                                 | BACKFILL TRENCH 3 FOOT DEEP  | 107<br>                    | FT<br>           | i c             | <br> <br>      | S          |                   | <br> <br> <br>  | 3-WF3<br> C-BC          | 1.6                          |              |
| ]  <br> I-N <br>   <br>           | l<br>I            | 611492 <br>                         | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 107<br>  6<br>             | FT<br>  TN<br>   | C<br> <br>      | l              | ΙS         | C                 | G7405<br> <br>  | (3-WF3                  | 0.3                          |              |
| <br> I-N <br>                     |                   |                                     | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LÈNGTH  | 107                        | 1 57             | i c             | 1              |            | 1                 | 199191912       | 10 1120                 |                              |              |
| !  <br> I-N                       | R-XCES            | <br> <br> X30007 <br>               | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE  | 1 107                      | FT<br>  CŸ       | C<br> <br>      | c              | S          | ,<br>  C<br> <br> |                 |                         |                              |              |
| 1<br>  I-N                        | AS-2CT            | 1                                   | ASPHALT 2 SAW CUT AND BREAK MECH   | 107                        | FT               | i c             | 1              | S          | C                 | <br>            | SR3AS                   | 2.8                          |              |
| <br>  I-N <br>   <br>   <br>      | <br> <br>]        | <br> X20022 <br> 114201 <br> 114202 | ASPHALT BASE & TOP MECH 12 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)             | 107<br>  107<br>  8<br>  2 | FT<br> SF<br> TN | C<br> <br> <br> |                | S<br> <br> | C<br> <br>        | <br> <br>[<br>E | C-BC<br> SR-3A<br> <br> | [ 7.2]<br>[ 7.2]<br>[ 1 ]    |              |
| I-N!<br>  I-N!<br>                | 1                 | 12450041                            | 1-3 IN EB CONDUIT SLÜRRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 107<br>  107               | FT<br> FT<br>UCY | i i             |                | i s<br>I   | i                 | 3376.1<br>      | 3-w£3<br> <br>          |                              |              |
| <br>  I-N <br>   <br>             | 1                 | X20201                              | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 48<br>  36<br>  1          | FT               | 1 C<br>. <br>'  | <br>  C        | S<br> <br> | [ C<br>[<br>]     | G7453<br> <br>  | C-BH<br>  3SWF4         | 1.9 <br>  1.9 <br>  3.8 <br> | ·            |
| ]  <br> I-N <br>  ]               | REM-3'            | <br> X30007                         | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | ) 48<br>  12               | B FT<br>2   CY   | 1 C             | [<br>[ C       | l S<br>I   | C<br>             | 1               |                         | 4.2                          |              |
|                                   | SLR-18<br>        | 656400                              | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 147<br>  9                 | ICY              | i c<br>I        | i<br>  c       | i s<br>1   | i c<br>I          | G7409<br> <br>  |                         | 0.3                          |              |
|                                   | ]1EB3SL           | 249664                              | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLUBRY MIX. 1 SACK SAND            |                            | 3 FT<br>3 FT     |                 |                | S<br>      | C<br> <br>        | [3376.1<br>     | 3-WF3                   | 0.71                         |              |
| <b>!</b><br>  <b>I-N</b> ]<br>  1 | 1-35L8<br>        | <br> 321878 <br> 656400             | 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                            | L   EA           | 1 C<br>1        | <br>  C<br>  C | 5<br> <br> | C<br> <br>        | 3373.2<br> <br> | 3-WF3                   |                              |              |
| II-N                              | SAW-CC            |                                     | SAW CUT CONCRETE   | 1 10                       | ) j FI           | i c             |                | S          | I C               | 1               | SR-30                   |                              |              |
| [<br> I-N                         | ] CC-WLK          | <br>                                | CONCRETE SIDEWALK SECTION (5x5) FINISHED   | 1 :                        | LIEÆ             | i c             | İ              | s          | i c               | 1               |                         | 1 1.0                        |              |

| P001EM2-I<br>9/05/17 1 |          | 01             |                |          |         |        |           | O GAS AN | I COP |                | TAII       |        |      |              |      |                  |      | I          | PAGE NO 649  |
|------------------------|----------|----------------|----------------|----------|---------|--------|-----------|----------|-------|----------------|------------|--------|------|--------------|------|------------------|------|------------|--------------|
|                        |          |                | REV:0          |          |         |        |           |          | 52 -I | &C JOB         | l          |        |      |              |      | STATUS: AC       |      |            | SR: 2960700  |
| ESIGN: 01              | l name   | : ROLANI       | DO BLK 7G      | 2 TaC JC | DB 1    |        |           | STA      | rus:  | ACT            |            |        |      |              |      |                  |      |            |              |
|                        |          | ET: 02         | DISTRICT       | : CM     | DESIGN  | NED BY | : GEORG   | E BONNER | 2     |                |            |        |      |              | PHON | NE: 999-99       | 99   | LOCATIO    | ON 565 OF 58 |
| F−C ŅU II              | I AU ID  | <br>  \$TOCK#1 | I<br>I         | DESCRIPI | rion/co | ONSTRU | CTION N   | OTES     |       | ] QTY<br>  RQD | [ UM ]     | RSP    | RSP  | TRT          | TRT  | STANDARD<br>PAGE | TYPE | HOURS      |              |
| E                      |          | 248205         | CONC           |          |         |        |           |          |       | 1              | CY         |        | C I  | 1            |      |                  | Í.   | i -        |              |
| I-N]                   | iln-s/u  |                | TC-LAN         | E CLOSUF | RE URBA | AN STR | EET       |          |       | 1              | [EA        | С      | I    | <br>  S .    | C    |                  |      | 1 1.0      |              |
| I-N]                   | ]LN/S/S  | i i            | LANE C         | LOSURE ( | JRBAN S | ST (ST | REET RE   | PAIR)    |       | 1              | EA         |        | l    | <br>  S      | С    |                  | TC4  | !<br>! 1.0 |              |
| I-N <br>               | 1        | <br> 114215    | TC-TRA<br>ASPH |          |         |        | EET CRO   | SSINGS   |       | 1              | FT  <br>TN | С      | C    | \$  <br>  \$ | c    |                  | i i  | 0.1<br>    |              |
|                        | XING/S   |                | TRAFFI         |          |         |        |           |          |       |                |            |        |      | <br>  S      |      |                  |      | ]<br>  0.1 |              |
| NORK FA                | AC       |                | EXIS           |          |         |        | <b>-</b>  |          |       |                |            |        |      | FION         | NOTE |                  |      |            |              |
| POINC COL              |          |                | PVID           | I IAG    | INC:W I | IAG    |           |          |       | SHT 8          |            | .0103. | INUC | 1101         | NGII |                  |      |            |              |
|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      | ·                |      |            |              |
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|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
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|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
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|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
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|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
| · ·                    | <b>.</b> |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |
|                        |          |                |                |          |         |        |           |          |       |                |            |        |      |              |      |                  |      |            |              |

| ROJECT: 25        | 3568 J      | гов:01         | REV:0        | TYP     | E: UD   | NAME:   | ROLANDO BLK                | 7G2 -T | &C JOB          | 1                  |    |              |             | s              |                  | T WOE       | RK ORDE        | R: 2960700  |
|-------------------|-------------|----------------|--------------|---------|---------|---------|----------------------------|--------|-----------------|--------------------|----|--------------|-------------|----------------|------------------|-------------|----------------|-------------|
| SIGN: 01          | NAME :      | ROLAND         | BLK 7        | G2 T&C  | JOB 1   |         |                            | TATUS: | ACT             |                    |    |              |             |                |                  |             |                |             |
|                   |             | ET: 01         | DISTRIC      | F: CM   | DESIG   | NED BY: | GEORGE BON                 | NER    |                 |                    |    |              |             |                |                  |             |                | N 566 OF 58 |
| VRK <br>7-C[MU ID | AU ID       | <br>STOCK#     |              | DESCRI  | PTION/C | ONSTRUC | TION NOTES                 |        |                 |                    |    | MAT          | TIM <br>TRT | ACC [<br>TRT ] | STANDARD<br>PAGE | CREW        | EST  <br>HOURS |             |
| -NI               | 3313TC <br> | 4003021        | HANDH<br>331 | DLE 331 | 3 WITH  | TRAFFIC | COVER                      |        | 1               | EA                 | E  | i D          | S  <br>     | C  <br>        | 3313             | BOOMT       | 3.01<br>0.5    |             |
|                   |             |                |              | ATE 331 | 3 HANDH | IOLE    |                            |        | 1               | EA                 | CI | 1            |             | CΙ             | 3313.2           |             | 0.4            |             |
| Г—N  <br>         | 1           | i i            | BEN          | D CONDU | IT DB 3 | IN 90   | ÚD SLURRY ENG<br>D 36 IN R |        | 3<br>  3<br>  1 | EA <br> EA <br> CY | С  | <br>c  <br>c | SI          | ן כ<br>ו<br>ו  |                  |             | 0.2            |             |
| l<br>1-N          | <br> LN-S/U | <br>  <b> </b> | TC-LA        | NE CLOS | URE URE | AN STRE | CET                        |        | 1 1             | EA [               | С  | 1            |             | C 1            |                  |             | 1.0            |             |
|                   | <br> LN/S/S |                | LANE         | CLOSURE | URBAN   | ST (STE | REET REPAIR)               |        | <br>  1         |                    | с  |              | s           | C              |                  | 1<br>1 TC 4 | 1.0            |             |
|                   |             |                | EXI          | ST TAG  | NEW<br> | TAG     |                            |        | SHT 8           |                    |    |              |             | NOTE           | :s<br>           |             |                |             |
|                   |             |                | EXI          | ST TAG  | NEŴ     | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                | EXI          | ST TAG  | NEŴ     | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                | EXI          | ST TAG  | NEW<br> | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                | EXI          | ST TAG  |         | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                |              | ST TAG  |         | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                | EXI          | ST TAG  |         | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |
|                   |             |                |              | ST TAG  | NEW     | TAG     |                            |        |                 |                    |    |              |             |                |                  |             |                |             |

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| OJECT: 25           | 3568            |                     | REV:0 TYPE: UD                           |                     |         |               |              |          |                   |     | <br>S | TATUS: AC        | T WOR                        | RK ORDE                 | R: 2960700   |
|---------------------|-----------------|---------------------|--|---------------------|---------|---------------|--------------|----------|-------------------|-----|-------|------------------|------------------------------|-------------------------|--------------|
|                     |                 |                     | O BLK 7G2 T&C JOB 1                      | · <u> </u>          | STATUS: | : ACT         |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     | DISTRICT: CM DESI                        | SNED BY: GEORGE     | BONNER  |               |              |          |                   |     | PHON  | Æ: 999-99        | 99 I                         | LOCATIC                 | N 567 OF 587 |
| RK1<br>CIMU ID      | AU ID           | STOCK#              | DESCRIPTION/                             |                     |         |               |              |          |                   |     |       | STANDARD<br>PAGE | TYPE                         | HOURS                   |              |
| -N                  | 3'HD-A<br>      | , ,<br>[ ]          | HAND DIG TRENCH 3                        |                     |         |               |              |          |                   |     |       | G7453            | +<br> 3-wf3<br>              | 32.91                   |              |
| -N                  | BKF-3 '<br>     | L                   | BACKFILL TRENCH 3 3                      | FOOT DEEP           |         | ) 90<br>[     | FT           | C        | <br> <br>         | 5   | C     |                  | 3-WF3<br>  C-BC              | 1.4 <br>  1.4           |              |
|                     | SHD-12<br> <br> | <br> 611492 <br>  [ |  |                     |         | 90<br>  5<br> | TN <br>      | C I<br>I | C I               | S   |       | G7405            | <br> 3-WF3<br> C-BH<br> C-DT | 0.3 <br>  0.3 <br>  0.3 |              |
| -N                  |                 | <br> 249664         | 1-3 IN DE CONDUIT :<br>CONDUIT DE 3 IN : | SEC<br>20 FT LENGTH |         | i 70<br>i 70  | FT           | C i      | <br>  C           | S   | i     | 3373.1           | 1<br> 3-WF3<br>              | 1.1 <br>                |              |
| -N                  | 1DB3SS<br>      |                     | 1-3 IN DE 22.5 D 2.<br>BEND CONDUIT DE 3 |                     |         | 1 2<br>1 2    |              | C I      | ]<br>  C  <br>  C | s   | СI    | 3373.2           | ]<br> 3-WF3<br> <br>         | i 0.1                   |              |
| -N [                | R-XCES<br>      |                     | EXCESS TRENCH SPOI<br>DUMPING FEE        | L (12 IN DEEP)      |         | i 90<br>I 9   | FT           | C        | C                 | S   | C     |                  | C-DT<br> <br>                | 2.3                     |              |
| -N                  | AS-2CT          | i i                 | ASPHALT 2 SAW CUT                        | AND BREAK MEC       | H       | 64            |              | сi       |                   | S   | CI    |                  | <br>  SR3AS<br>              | 1.7                     |              |
| -N]<br> <br>        | AB-M18          | i i                 | ASPHALT BASE MEC<br>ASPHALT (BASE)       | H 18 IN             |         | 64<br>7       | FT  <br>  TN | c i      | C                 | S   | ¢     |                  | C-BC<br> SR4AL<br>           | 1.7<br>1.7              |              |
| -N                  | <br>  SAW-CC    | [ ]                 | SAW CUT CONCRETE                         |                     |         | j 10          | FT[          | CI       |                   | s   | CI    |                  | SR-3C                        | 1.5                     |              |
| -N  <br> <br>       | CC-WLK          | <br>  248205        | CONCRETE SIDEWALK<br>CONCRETE - 6 SAC    | K {3/4" ROCK MI     | X)      | 1             | EA           | CI       |                   | s   | СІ    |                  | SR3CS                        | 1.0                     |              |
| ORK FAC<br>UNC CODE |                 |                     | EXIST TAG NEW                            | TAG                 |         |               | c            | ONST     | TRUCI             | ION | NOTE  | s                |                              |                         |              |
|                     |                 |                     |  |                     | SE      | EE SHT 8      |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     |  |                     |         |               |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     |  |                     |         |               |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     | . <u>.</u>                               |                     |         |               |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     |  |                     |         |               |              |          |                   |     |       |                  |                              |                         |              |
|                     |                 |                     |  |                     |         |               |              |          |                   |     |       |                  |                              |                         |              |
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| OJECT: 25 | 3568 3             | JOB:01                                | REV:(          | TYP      | E: UD  | NAME :  | ROLANDO BLK    | 7G2 -T&C | JOB    | 1           |     |             |          | S   | TATUS: AC        | CT WO          | RK ORDE         | R: 2960700  |
|-----------|--------------------|---------------------------------------|----------------|----------|--------|---------|----------------|----------|--------|-------------|-----|-------------|----------|-----|------------------|----------------|-----------------|-------------|
| SIGN: 01  | NAME :             | : ROLANI                              | O BLK I        | G2 T&C   | JOB 1  |         |                | ATUS: AC | r      |             |     |             |          |     |                  |                |                 |             |
|           | 68 SHEE            | ET: 01                                | DISTRIC        | T: CM    | DESI   | GNED BY | : GEORGE BONN  | ER       |        |             |     |             |          |     | E: 999-99        |                | LOCATIO         | N 568 OF 58 |
| RK        | 1 3                | 1                                     |                |          |        |         | JCTION NOTES   | (        | OTY    | 1 1         | WRK | MAT         | TIM.     | ACC | STANDARD<br>PAGE | CREW           | EST  <br> HOURS |             |
| +<br>-N   | +<br> 3313TC       | + <b></b>                             | HANDI          | IOLE 331 | 3 WITH | TRAFFI  | IC COVER       | <br>     | 1      | ++<br> EA   |     | + <b></b> - | +<br>S [ | ÷   | 3313             | -+<br>  BOOMT  | ++              |             |
| l.        |                    | ĺ                                     |                |          |        |         | DHOLE COMPLETE | 1        | 1      | <br> EA[    | c   |             | s i      | C   | 3313.2           | i<br>(3swf3    | 1 0.41          |             |
| -N        | <br> 1-35LB        | <br> <br>  322048                     | 1-3 :<br>  BFT | IN DE 90 | D 36   | IN R BE | END SLURRY ENC |          | Э<br>З | EA]<br> EA] | С   |             | S  <br>  | C I | 3373.2           | <br> 3+WF3<br> | 0.2             |             |
| -N        | ן<br>1<br>1 LN-S/U |                                       | TC-Li          | ANE CLOS | URE UR | BAN STR | REET           |          | • 1    | <br> EA     | с   |             | s (      | c i |                  | і<br>  тсз     | i i             | <u></u>     |
| [-N]      | <br> LN/S/S        | 1                                     | LANE           |          |        |         | TREET REPAIR)  |          |        |             |     |             |          |     |                  |                | 1.0             |             |
| UNC CODE  | . DESC             | <b></b>                               | EX:            | IST TAG  | NEW    | TAG     |                | SEE S    |        |             |     |             |          |     | 2S               |                |                 |             |
| UNC CODE  |                    |                                       | EX.            | ST TAG   | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       | EX.            |          | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       | EX.            |          | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    | · · · · · · · · · · · · · · · · · · · | EX.            | ST TAG   | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       | EX.            | ST TAG   | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       | EX.            |          | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       | EX.            | ST TAG   | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |
|           |                    |                                       |                |          | NEW    | TAG     |                |          |        |             |     |             |          |     |                  |                |                 |             |

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|                     |                       |            | O BLK 7G2 T&C JOB               |         |              |     |                  |                 |            |               |            |            |                  |                              |                 |  |
|---------------------|-----------------------|------------|---------------------------------|---------|--------------|-----|------------------|-----------------|------------|---------------|------------|------------|------------------|------------------------------|-----------------|--|
|                     |                       |            | DISTRICT: CM D                  |         | BY: GEORGE B |     |                  |                 |            |               |            |            | Æ: 999-99        |                              |                 | N 569 OF 5                             |
| WRK                 | 1                     | I I        | DESCRIPTI                       |         |              | s   | QTY<br>  RQD     | <br>] UM        | WRK<br>RSP | MAT<br>RSP    | TIM<br>TRT | ACC<br>TRT | STANDARD<br>PAGE | CREW<br>  TYPE               | ÉST  <br> HOURS | ······································ |
| I-N                 | 3'HD-A                | 1 1        | HAND DIG TRENCH                 |         |              |     |                  |                 |            |               |            | С          | G7453            | 13-WF3                       | 34.3            |  |
| I-N <br> <br>1      | <br> BKT-3'<br> <br>1 | t i<br>t i | BACKFILL TRENCH                 | 3 FOOT  | DEEP         |     | <br>  94<br>     | <br> FT <br>    | с          |               | S          |            |                  | 3-WF3<br> C-BC               | 1.4 <br>  1.4   |  |
| I-N                 | SHD-12                | i i        | SHADE TRENCH WI<br>SAND, FILL R |         |              |     | 94<br>  5<br>    |                 | -          | <br>  C  <br> |            |            |                  | <br> 3-WF3<br> C-BH<br> C-DT | 0.31<br>0.31    |  |
| I-N                 |                       |            | 1-3 IN DB CONDU<br>CONDUIT DB 3 |         | I LENGTH     |     | 94<br>  94       | FT              |            | <br>  c       |            |            | 3373.1           | <br> 3-WF3<br> <br>          | 1.4             | -                                      |
| I-N <br>]           |                       | [X30007]   | EXCESS TRENCH S<br>DÚMPING FEE  | POIL (1 | L2 IN DEEP}  |     | 94               | <br> FT <br> CY | C          | c             | S          | с          |                  | C-DT                         | 2.4[            |  |
| I-N                 | AS-2CT                |            | ASPHALT 2 SAW                   | CUT AND | BREAK MECH   |     | 94               |                 |            |               | s          | С          |                  | SR3AS                        | 2.4             |  |
| I-N <br>            | jab-m18               | i i        | ASPHALT BASE ASPHALT (BASE      | )       | 3 IN         |     | <br>  94<br>  11 | FT              | C          | <br>  c       | ~ .        | С          |                  | <br>  C-BC<br>  SR4AL        | 2.5             |  |
| WORK FA<br>FUNC COE |                       | :          | EXIST TAG                       |         |              |     |                  |                 | CONS       | IRÚCI         | TION       | NOTE       | s                |                              |                 |  |
|                     |                       |            |                                 |         |              | SEE | SHT 8            |                 |            |               |            |            |                  |                              |                 |  |
|                     |                       |            |                                 |         |              |     |                  |                 |            |               |            |            |                  |                              |                 |  |

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|                  |           |            |              | REV:0 TYPE: UD                              | NAME: ROLANDO BLK 76               | 52 -T&C JOB  | 1          |       |                  |            |                   | STATUS: A        | CT WOF          | K ORDE             | R: 2960700  |
|------------------|-----------|------------|--------------|---|------------------------------------|--------------|------------|-------|------------------|------------|-------------------|------------------|-----------------|--------------------|-------------|
| SIG              | N: 01     | NAME :     | ROLANE       | DO BLK 7G2 T&C JOB 1                        | STAI                               | US: ACT      |            |       |                  |            |                   |                  |                 |                    |             |
|                  | ION: 5    | 70 SHEE    | ET: 01       |   | GNED BY: GEORGE BONNER             |              |            |       |                  |            |                   |                  |                 |                    | N 570 OF 58 |
| -ci              | MU ID     | <br> AU ID | <br>  stock# | DESCRIPTION/C                               | CONSTRUCTION NOTES                 | ROD          | UM         | RSP   | RSP              | TIM<br>TRT | ACC  <br>  TRT    | STANDARD<br>PAGE | CREW  <br> TYPE | EST ]<br>HOURS     |             |
|                  |           | + <b></b>  | ++<br>       | HAND DIG TRENCH 3                           | FT DEEP AVE                        |              | FT         | С     | ⊷<br>            | S          | C ]               | G7453            | 3-WF3           | 18.5               |             |
| 1                |           |            |              | BACKFILL TRENCH 3 1                         |                                    | 50           | FT  <br>   | С     | <br>             | S          | C  <br>           |                  | 3-WF3 <br> C-BC | 8.0<br> 8.0        |             |
| <br>-N <br> <br> |           | 1          | <br> 611492  | SHADE TRENCH WITH SAND, FILL RECY           |                                    | 1 50<br>1 3  | FT<br>TN   | С     | c  <br>  c  <br> | \$<br>     | 1                 | G7405            | C-BH  <br> C-DT | 0.21<br>0.2<br>0.2 |             |
| <br>-N           |           | İ          | <br> 249664  | 1-3 IN DB CONDUIT :<br>  CONDUIT DB 3 IN :  | SEC<br>20 FT LENGTH                | i 50<br>i 50 | FT<br>FT   |       | 1                | S          | 1                 | 3373.1<br>       | <br> 3-WF3 <br> | 0.8                |             |
| -N  <br>         |           | 1DB3-8<br> | 321878       | 1-3 IN DB 45 D 36<br>  BEND CONDUIT DB 3    | IN R BEND PRI<br>3 IN 45 D 36 IN R | 1            | IÈA<br>IEA | C<br> | l c              | S<br>      | E C               | 3373.2           | 3-WF3<br>       | 1                  |             |
| -N [             |           | R-XCES     | X30007       | EXCESS TRENCH SPOI<br>DUMPING FEE           | L (12 IN DEEP)                     | 1 50<br>1 5  | FT<br>  CY | C<br> | l<br>L C         | S<br>      | ,<br>  C<br> <br> | 1<br>1           | C-DT            | 1.3                |             |
| <br> -N          |           | AS-2CT     |              | ASPHALT 2 SAW CUT                           | AND BREAK MECH                     | 50           | FT         | ) C   | 1                | S          | i c               | İ                |                 | 1.3                |             |
| <br>  N-N<br>    |           |            | i            | !<br>  ASPHALT BASE MEC<br>  ASPHALT (BASE) |                                    |              | FT         | i c   | İ.               | S          | C                 | İ                |                 | 1.4                |             |
| ORF              |           |            |              | EXIST TAG NEW                               | TAG                                |              |            | CONS  | TRUC             | TION       | NOT               | ES               |                 |                    |             |
|                  |           |            |              |   |                                    | SEE SHT 8    |            |       |                  |            |                   |                  |                 |                    |             |
|                  | <b></b> - |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    | ,           |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  |           |            |              | · · · · · · · · · · · · · · · · · · ·       |                                    |              |            |       |                  |            |                   | -                |                 |                    |             |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  | -         |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    | n           |
|                  |           |            |              |   |                                    |              |            |       |                  |            |                   |                  |                 |                    |             |

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| OJECT: 25       | 3568        |               |                 | TYPE.    | חנז   | NAME · PO           | TANDO F                                 | NUK 702 -  |              |   |              |                                       |             |              | TATIIC           | T 12/01         | שתפה אנ | R: 2960700   |
|-----------------|-------------|---------------|-----------------|----------|-------|---------------------|---|------------|--------------|---|--------------|---------------------------------------|-------------|--------------|------------------|-----------------|---------|--------------|
|                 |             |               |                 |          |       |                     |   |            |              |   |              |                                       |             |              | AC               |                 |         |              |
| SIGN: 01        |             |               |                 |          |       |                     |   | STATUS:    |              |   |              |                                       |             |              |                  | <u></u>         |         |              |
| CATION: 5       | 71 SHEE     |               |                 |          |       | NED BY: G           |   |            |              |   |              |                                       |             |              | Æ: 999-99        |                 | LOCATIO | N 571 OF 587 |
| RKI<br>-CIMU ID | AU ID       | <br>  \$TOCK# |                 | DESCRIPT | ION/C | ONSTRUCTI           | ON NOTE                                 | ES         | QTY<br>  RQD | <br> UM                                 | WRK  <br>RSP | MÁT  <br>RSP                          | TIM <br>TRT | ACC  <br>TRT | STANDARD<br>PAGE | CREW            | HOURS   |              |
| I →N I          | 1330926<br> | <br> 162690   | HAND HO<br>QUAZ | DLE 3309 | .2 37 | "X 26" X            |   |            | 1<br>  1     | EA <br> EA                              | C  <br>      | <br>  C                               | S           | сI           | 3309.2           | 3SWF3<br>       | 0.8     |              |
| [-N]            | 1X09H26     | 162690        | INSTAL<br>QUAZ  |          |       |                     |   |            | 1<br>  1     | EA <br> EA                              | сi           | CI                                    | S I         | CI           | 3309.2           | I               | 0_81    |              |
| ş               | 1-3SLB      | 322048        | 1-3 IN<br>BEND  | CONDUIT  | DB 3  | N R BEND<br>IN 90 D |   |            | 3<br>  3     | EA <br> EA                              | C I          | C                                     | S I<br>I    | C I          | 3373.2           | 1               | 0.2     |              |
| ]<br>]<br>[—N]  | 1           |               | RÉMOVE.         | /REPLACE | LAND  | SCAPING             |   |            | 1            | 1 1                                     | Ì            | C  <br>                               | Í           | Í            |                  | <br> <br> 3-WF3 | l İ     |              |
| ÍORK FAC        |             |               |                 |          |       |                     |   |            |              |   |              |                                       |             |              |                  | ,               |         |              |
| UNC CODE        | DESC        |               | EXIS            | f TAG    | NEW 2 | TAG                 |   |            |              | C                                       | CONST        | TRUCT                                 | ION         | NOTE         | IS               |                 |         |              |
|                 |             |               |                 |          |       |                     |   | <b>C</b> F | E SHT 8      | l                                       |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | JE<br>     |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3£<br>     |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3E         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     | · - · · · · · · · · · · · · · · · · · · | 3L         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              | - · · · · · · · · · · · · · · · · · · · |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              | · · · · · ·                             |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3L         |              | · · · · · ·                             |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3E         |              |   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   | 3E         |              |   |              | · · · · · · · · · · · · · · · · · · · |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     | ······································  | 3L         |              | · · · · · · · · · · · · · · · · · · ·   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              | · · · · · · · · · · · · · · · · · · ·   |              | · · · · · · · · · · · · · · · · · · · |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              |   |              | · · · · · · · · · · · · · · · · · · · |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              | · · · · · · · · · · · · · · · · · · ·   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              | · · · · · · · · · · · · · · · · · · ·   |              |                                       |             |              |                  |                 |         |              |
|                 |             |               |                 |          |       |                     |   |            |              | · · · · · · · · · · · · · · · · · · ·   |              |                                       |             |              |                  |                 |         |              |

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| ROJECT: 25        | 3568 3          | JOB:01            | SAN DIEGU GAS AN<br>DPSS - DESIGN REVIEW<br>REV:0 TYPE: UD NAME: ROLANDO BLK 7G                 | 2 -T&C JOB      | 1                  |              |                  |              | :<br>             | STATUS: AC      | T WO                      | RK ORDE                  | 3: 2960700   |
|-------------------|-----------------|-------------------|---|-----------------|--------------------|--------------|------------------|--------------|-------------------|-----------------|---------------------------|--------------------------|--------------|
| ESIGN: 01         | NAME :          | ROLANI            | DO BLK 7G2 T&C JOB 1 STAT   | US: ACT         |                    |              |                  |              |                   |                 |                           |                          |              |
|                   |                 |                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                 |                    |              |                  |              |                   |                 |                           |                          | N 572 OF 5   |
| VRK <br>F-C MU ID | <br> AU ID      | <br>  STOCK#      |   | L OTY           | 1                  | IWRK         | ІМАТ             | ТТМ          | ACC               | ISTANDARD       | I CREW                    | EST                      |              |
| [−N]              | 3'HD-A          | I                 | HAND DIG TRENCH 3 FT DEEP AVE   | 27              | FT                 | 1 C          | [                | [ \$         | С                 | G7453           | 13-WF3                    | 10.2                     |              |
| -N                | <br> BKF-3'<br> |                   | BACKFILL TRENCH 3 FOOT DEEP   | 27              | FT                 | i c<br>I     | ·                | S            | С                 |                 | 3-WF3<br> C-BC            | 0.4 <br>  0.4            |              |
|                   | 1               | İ                 | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br>       | 27              | TN<br>             | C<br> <br>   | i c              |              | C                 | G7405<br> <br>1 | 3-WF3<br>  C-BH<br>  C-DT |                          |              |
| I                 | i               | <br> 249664       | (<br>  1-3 IN DE CONDUIT SEC<br>  CONDUIT DE 3 IN 20 FT LENGTH                                  | 27<br>  27      | FT<br>  FT         | 1 C<br>1     | 1<br>1<br>1<br>1 | E            | C                 | <br> 3373.1<br> |                           | I I                      | <del>n</del> |
| N                 | 1               | ]<br> X30007      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE   | 27              |                    | C<br>        |                  | s            |                   | <br>            | C-DT                      | 0.71                     |              |
| I-N [             | <br>  plantu    | ĺ                 | REMOVE/REPLACE LANDSCAPING  |                 |                    | i c          | 1<br>1           | S            |                   |                 |                           | 2.7                      |              |
| I-N!              | <br> SAW-CC     | 1                 | I SAW CUT CONCRETE  | 1 10            | FT                 | l c          | [                |              | C<br>             | •               | isr-3c                    | 1.5                      |              |
| I–N1              | 1               | <br> 248205       | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                   | 1               | EA<br> CY          | İ.           | <br>  C          | I S          | ¢<br> <br>        | i<br>i          | :<br>  SR3CS<br>          | 1.0                      | <u> </u>     |
| <br>I-N <br> <br> | BH03XH<br> <br> | X20201            | <br>  MACH DIG TRENCH 3 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX | 5<br>  4<br>  1 | FT<br>  EA<br>  TN | i c<br>I     | I Ć              | ; 5<br> <br> | i c<br>I<br>I     | G7453<br> <br>[ | C-BC<br> C-BH<br>[3SWF4   | 0.2[<br>  0.2]<br>[ 0.4] |              |
| <br>  1/-1        | REM-3'          | X30007            | <br>  TRENCH SPOIL 3 FT DEPTH<br>  DUMPING FEE  | 1 5             | <br>  FT<br>  CY   | i C<br>I     | l c              | S            | 1<br>  C<br> <br> | 1               | [<br>  C-DT<br>           | ] 0.4 <br>]              |              |
| I-N               | SLR-18<br>      | 656400            | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                              | 15<br>  1       |                    | i c<br>I     | I C              |              | i c               | G7409<br>       | 3-WF3                     | i i                      |              |
| [_N <br>[         | 1EB3SL<br> <br> | 249664<br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND     | 5<br>  5<br>  1 | FT<br> FT<br> CY   | ; c<br> <br> | i c<br>  c       | i i          | [ C<br>[<br>]     | 3376.1          | 3-WF3<br> <br> <br>       | 1 1                      |              |
| 1-N               | LN-S/U          | l<br>I            | <br>  TC-LANE CLOSURE URBAN STREET<br>  |                 | <br> EA            | •            |                  | ls           | i c               | 1               |                           | 1.0                      |              |
| <br>I-N]          | <br> LN/S/S     | 1                 | <br>  LANE CLOSURE URBAN ST (STREET REPAIR)   | 1               |                    | 1<br>.1 C    |                  | :<br>  5     |                   |                 | TC4                       | 1.0                      |              |

SEE SHT 8

|              |              |              | JOB:01      |                | TYPE: (                 |                |          |        |        |                 |            |              |              |         |      |                  |                 |         | R: 2960700                            |
|--------------|--------------|--------------|-------------|----------------|-------------------------|----------------|----------|--------|--------|-----------------|------------|--------------|--------------|---------|------|------------------|-----------------|---------|---------------------------------------|
| SIGN:        | 01           | NAME :       | ROLANI      | O BLK 7G       | 2 T&C JOB               | 1              |          |        | STATU  | S: ACT          |            |              |              |         |      |                  |                 |         |                                       |
|              |              |              | ET: 01      | DISTRICT       | : CM DI                 | SIGNE          | D BY: G  | EORGE  | BONNER |                 |            |              |              |         | PHON | IE: 999-99       | 99 I            | LOCATIO | N 573 OF 58                           |
| -C MU        | ID           |              | STOCK#      | 1              | DESCRIPTIO              | N/COL          | ISTRUCTI | ON NOT | ES     | QTY<br>  RQD    |            | ŴRK <br>RSP  | MAT  <br>RSP | TRT     | TRT  | STANDARD<br>PAGE | TYPE            | HOURS   |                                       |
| -N  <br>     | 13           | 3309261<br>I | <br> 162690 | HAND H<br>QUAZ | DLE 3309.2<br>ITE BOX 3 | 2 37"2         | 26" X    |        |        | <u>1</u><br>  1 | EA <br> EA | C  <br>      | C [          | S  <br> | CI   | 3309.2           | 35WF3<br>       | 0.8     |                                       |
| -N  <br>     | 12           | X09H26 <br>  | 162690      | INSTAL<br>QUAZ | L EXCAVAT:<br>ITE BOX 3 |                |          |        |        | 1<br>  1        | EA <br> EA | - 1          | C            | S  <br> | CI   | 3309.2           | [               |         |                                       |
| -N  <br>     |              | 1-3slb       | 322048      | 1-3 IN<br>BEND | DB 90 D 3<br>CONDUIT 1  | DB 3 I         | N 90 D   |        |        | 3               | EA [       | Í            | c            | S  <br> | CI   | 3373.2           | ĺ               | 0.2     |                                       |
| <br> <br> -N | <br> <br>  E |              | 656400      |                | RY MIX, 1<br>/REPLACE 1 |                |          |        |        | Ì               | i i        | <br> <br>  C | i            | Í       | Ì    |                  | <br> <br> 3-WF3 | i i     |                                       |
| JNC          | CODE         | DESC         |             | EXIS           | I TAG 1                 | IEW TA         | lG       |        |        |                 | C          | ONST         | KUÇI         | LÛIJ    | NOTE | s                |                 |         |                                       |
|              |              |              |             | EXIS           | I TAG I                 | 1EW TZ         | 1G       |        |        | SEE SHT 8       |            | ONS1         | .KUÇI        |         | NOTE | :s<br>           |                 |         |                                       |
|              |              |              |             | EXIS'          |                         | NEW TZ         | .G       |        |        | SEE SHT 8       |            |              | .KUÇI        |         | NOTE | :s<br>           |                 |         |                                       |
|              |              |              |             | EXI5"          | T TAG 1                 | 1E₩ T#         | 1G       |        |        | SEE SHT 8       |            | :ONS1        |              |         | NOTE | :S<br>           |                 |         |                                       |
| JNC          |              |              |             | EXI 5'         |                         | JEW T#         | 1G       |        |        | SEE SHT 8       |            | :ONS1        |              |         |      |                  |                 |         |                                       |
|              |              |              |             | EXIS"          |                         | JEW T <i>F</i> |          |        |        | SEE SHT 8       |            |              |              |         | NOTE |                  |                 |         | · · · · · · · · · · · · · · · · · · · |
|              |              |              |             | EXI 5'         |                         |                | uG       |        |        | SEE SHT 8       |            |              |              |         |      |                  |                 |         |                                       |
|              |              |              |             | EXI 5'         |                         |                | uG       |        |        | SEE SHT 8       |            |              |              |         |      | .s               |                 |         |                                       |
|              |              |              |             | EXI 5'         |                         |                | LG       |        |        | SEE SHT 8       |            |              |              |         |      |                  |                 |         |                                       |
|              |              |              |             | EXI 5'         |                         |                |          |        |        | SEE SHT 8       |            |              |              |         |      |                  |                 |         |                                       |
|              |              |              |             | EXI 5'         |                         |                |          |        |        | SEE SHT 8       |            |              |              |         |      | S                |                 |         |                                       |

Block 7G2 UUP Attachment E – Technical Specifications

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|                     |                     |              |   | NAME: ROLANDO BLK 7                           |             | 1          |          |          |      |          | STATUS: A       |                              |                         | R: 2960700 |
|---------------------|---------------------|--------------|---|---|-------------|------------|----------|----------|------|----------|-----------------|------------------------------|-------------------------|------------|
| ESIGN: 01           | NAME                | : ROLAN      | DO BLK 7G2 T&C JOB 1                          | STA   | ATUS: ACT   |            |          |          |      |          |                 |                              |                         |            |
|                     |                     |              | DISTRICT: CM DESI                             | IGNED BY: GEORGE BONNE                        |             |            |          |          |      |          |                 |                              |                         | N 574 OF 5 |
| NRKI<br>F-CIMU ID   | <br> AU ID          | <br>  STOCK# | DESCRIPTION,                                  | /CONSTRUCTION NOTES                           | RQD         | UM [       | RSP      | RSP      | TRT  | TRT      | STANDARD        | TYPĒ                         | HOURS                   |            |
| τ− <b>Ν</b>         | 3'HD-A              | !            |   | 3 FT DEEP AVE                                 | 100         | FT         | С        | 1        | S    | С        | G7453           | 3-WF3                        | 36.5                    |            |
| I-N                 | (<br>  BKF-3 '<br>  | İ.           | <br>  BACKFILL TRENCH 3<br>                   | FOOT DEEP                                     | 100         |            | С        |          |      | С        | [<br>[          | 3-WF3<br>  C-BC              | 1.5<br>1.5              |            |
| [<br>I-N <br> <br>1 | 1                   | 1            | SAND, FILL RECT                               | SAND - 12 INCH WIDTH<br>YCLED MATLS PREFFERED | 100<br>  6  | TN         | с        | С        |      |          | G7405<br> <br>  | <br> 3-WF3<br> C-BH<br> C-DT | 0.3 <br>0.3 <br>0.3     |            |
| I-N <br>            | 1DB3-S<br>          | 249664       | 1<br>  1-3 IN DB CONDUIT<br>  CONDUIT DB 3 IN |   | 100<br>100  | FT         | С        | С        |      | с        | 3373.1<br>      | <br> 3-WF3<br> <br>[         | 1.51<br>1 1             |            |
| і<br>1-N  <br>1     | 1DB3-8              | 1321878      | I 1-3 IN DE 45 D 36<br>BEND CONDUIT DB        | 5 IN R BEND PRI<br>3 3 IN 45 D 36 IN R        | i 1<br>i 1  | EA         | i c      | С        |      | C        | 3373.2          | · .                          | i i<br>I I              |            |
| <br>I-N <br>        | 1DB3 <b>-</b> B<br> | 322048       | 1 1-3 IN DB 90 D 36<br>BEND CONDUIT DB        |   | 1           | EA         | i c      | l<br>I C | S    | C        | 3373.2<br>      |                              | 1 <sup>.</sup> 1<br>1 1 |            |
| I-N                 | 1                   | <br> X30007  | EXCESS TRENCH SPO<br>  DUMPING FEE            | DIL (12 IN DEEP)                              | 100<br>  9  | FT<br>  CY | i c<br>I | i<br>i c |      | і с<br>1 | l               | C-DT<br>                     | 2.5                     |            |
| <br>IN              | <br> AS-2CT         | 1            | I ASPHALT 2 SAW CU                            | IT AND BREAK MECH                             | 100         |            | 1 C      | ļ        | •    | i c      | 1               | SR3AS                        |                         |            |
| <br>I-N <br>        |                     | 1            | <br>  ASPHALT BASE ME<br>  ASPHALT (BASE)     |   | 100<br>  11 | FT         | C        | I        | S    | ιc       |                 | C-BC                         | 2.7                     |            |
| WORK FAG            |                     |              | EXIST TAG NE                                  | W IAG   |             |            | CONS     | IRUC'    | rion | NOT      | ES              |                              |                         |            |
|                     |                     |              |   |   | SEE SHT 8   |            |          |          |      |          |                 |                              |                         |            |
|                     |                     |              |   |   |             |            |          |          |      |          |                 |                              |                         |            |
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| 9/05/17            | LOCAL40-0(<br>11:36            |                             | SAN DIEGO GAS AND E<br>DPSS - DESIGN REVIEW CO   | PY - DE           |                    |                  |              |                  |            |                    |                          |                         | AGE NO 659  |
|--------------------|--------------------------------|-----------------------------|--|-------------------|--------------------|------------------|--------------|------------------|------------|--------------------|--------------------------|-------------------------|-------------|
| ROJECT: 2          | 253568                         | JOB:01                      | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   |                   |                    |                  |              |                  |            |                    |                          |                         |             |
|                    |                                |                             | O BLK 7G2 T&C JOB 1 STATUS:  |                   |                    |                  |              |                  |            |                    |                          |                         |             |
| OCATION:           | 575 SHEE                       | ET: 01                      | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                   |                    |                  |              |                  |            |                    |                          |                         | 1 575 OF 58 |
| WRK1<br>F-C1MU II  | l<br>D IAU ID                  | <br>  stock#                | DESCRIPTION/CONSTRUCTION NOTES   | ) QTY<br>1 RQD    | UM                 | WRK<br> RSP      | MAT<br> RSP  | TIM <br> TRT     | ACC        | STANDARD<br>  PAGE | CREW<br> TYPE            | EST  <br> HOURS         |             |
| Ï−N                | 3'HD-A<br>                     |                             | HAND DIG TRENCH 3 FT DEEP AVE  | 1 77              | TTI                |                  | 1            | 1 0 1            |            | 107453             | 13_0753                  | 28 21                   |             |
| I-N <br>           | BKF-3 '                        | 1  <br>1 [                  | BACKFILL TRENCH 3 FOOT DEEP  | 77                | FT                 | c<br>            | <br> <br>    | S                | С          | <br> <br> <br>     | <br> 3-WF3<br> C-BC      | 1.2                     |             |
| I-N <br> <br>      | <br>  SHD <b>-</b> 12<br> <br> | <br> 611492                 | SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>SAND, FILL RECYCLED MATLS PREFFERED                          | 77                | FT<br>TN           | C<br>            | l<br>I C     | S                |            | G7405              | 3-WF3<br> C-BH           | 0.2 _<br>  0.2          |             |
| I–N[<br>[          | 1DB3-S                         | <br> 249664                 | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT LENGTE  | 77<br>  77        | i FT               | I C              |              | S                | C          | 3373.1<br>         | 3-WF3                    | 1.2                     |             |
| I-N <br>           | 1                              | <br>  [<br>  <b>X3</b> 0007 | DUMPING FEE  | 7                 | ICY                |                  | <br>  C      | <br>  S<br> <br> | с          |                    | C-DT                     | 1.9 <br> <br>           |             |
| I-N                | AS-2CT                         | [ [                         | ASPHALT 2 SAW CUT AND BREAK MECH   | 62                | FT                 | i c              |              | S                | с          | 1                  | SR3AS                    | 1 1.6                   |             |
| <br>I-N <br> <br>  | 1                              | <br>                        | ASPHALT BASE & TOP MECH 12 IN<br>GRIND ASPHALT (PER SF)<br>ASPHALT (BASE)<br>ASPHALT (TOP)             | i 62              |                    | <br>  C<br> <br> | 1            | C                |            |                    | IC-PC                    | 1 4 21                  |             |
| I-N                |                                | i i                         | REMOVE/REPLACE LANDSCAPING   | 12                | FT                 |                  | <br> <br>    | S                | с          | 1                  | 3-WF3                    | 1 1.2                   |             |
| 1–1<br> <br>       | BH03XH                         | [<br> X20201                | TRAFFIC BEARING STEEL PLATE  | 36<br>  27<br>  1 | FT<br>  EA<br>  TN | C<br> <br>       | C<br>  C     | S<br> <br>  .    | C<br> <br> | G7453<br> <br>     | C-BC<br> C-BH<br> 3\$WF4 | 1.4 <br>  1.4 <br>  2.9 |             |
| 1-N <br>           |                                | [X30007]                    | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE   | i 36<br>I 9       | FT<br>  CY         | C<br>            | і<br>1 с     | S  <br>  S       | Ç          | 1                  | C-DT                     | I I_                    | <u> </u>    |
| I-N <br> <br>      | SLR-18<br>                     |                             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 108<br>  7        | FT<br>CY           |                  | 1<br>1<br>1  | S  <br>          | C I        | G7409<br>          |                          | 0.21<br>1 1             |             |
| I-N <br> <br>      | 1EB3SL<br> <br>                | [  <br>[249664]             | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | i 36<br>I 36      | FT<br>  FT         | i c              | C            |                  | С          | 3376.1<br>1        | 3-WF3<br> <br>           | 0.5                     |             |
| I-N <br> <br> <br> | 1-3SLB<br> <br>                | (  <br> 322048 <br> 656400  | 1-3 IN DE 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 90 D 36 IN R<br>SLURRY MIX. 1 SACK SAND |                   | EA<br>EA           |                  |              | S  <br>   <br>1  | I Ç        | 3373-2<br> <br>    | 3-WF3<br> <br>1          |                         |             |
| I-N                | SAW-CC                         |                             | SAW CUT CONCRETE   | 1 10              | FT                 | c                | ι<br>[<br>ι  | s                | с          | <br> <br>r         | SR-3C                    | 1.5                     |             |
| 1-N <br>           | <br> CC-WLK<br>                | <br>  ]<br> 248205          | SAW CUT CONCRETE<br>CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)      | 1<br>  1          | EA<br>CY           | l C              | <br> <br>  C | ו<br>  \$  <br>  | с          | <br> <br>          | I<br>SR3CS               | 1.01                    |             |

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| DP001E<br>09/05/ | M2-LOCA<br>17 11:3 | 6     |       |                                       |         |      | Si<br>DPSS · | AN DIEGO<br>- DESIGN | GAS AND<br>REVIEW | ) ELECTRIC<br>COPY - DE | C<br>ETAI: | L            |         |                  | PAGE                                  | e no   | 660          |
|------------------|--------------------|-------|-------|---------------------------------------|---------|------|--------------|----------------------|-------------------|-------------------------|------------|--------------|---------|------------------|---------------------------------------|--------|--------------|
| PROJEC           | T: 2535            |       |       | REV:0                                 | TYPE    | : UD | NAME:        | ROLANDO              | BLK 7G2           | -T&C JOB                | 31         |              | STA     | TUS: ACT         | WORK ORDER:                           |        | 00           |
| DESIGN           | : 01               | NAME: | ROLAN | IDO BLK 7G2                           | T&C J   | ов 1 |              |                      | STATU             | IS: ACT                 |            |              |         |                  |                                       |        |              |
|                  |                    |       |       | DISTRICT:                             | CM      | DESI |              |                      | BONNER            |                         |            |              | PHONE : | 999-9999         | LOCATION !                            | 575 OF | 587          |
|                  | FAC<br>CODE        | DESC  |       | EXIST                                 |         | NEW  | TAG          |                      | *                 |                         |            | CONSTRUCTION | NOTES   |                  |                                       |        |              |
|                  |                    |       |       |                                       |         |      |              |                      |                   | SEE SHT 8               | 8          |              |         |                  | • • • • • • • • • • • • • • • • • • • |        |              |
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| Block 7G2 UUP                          |     |
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| Attachment E – Technical Specification | ons |

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PAGE NO 661

|                  |                                | מסווערה 2010 אדשי שהאפרות מסוונה   |                                       |                |              |                                       |        |                 |                    | 3.0  |
|------------------|--------------------------------|--|---------------------------------------|----------------|--------------|---------------------------------------|--------|-----------------|--------------------|------|
| -N <br>          | 3313TC   <br>   400302 <br>  [ | HANDHOLE 3313 WITH TRAFFIC COVER<br>3313 TRAFFIC COVER HANDHOLE COMPLETE                               |                                       | EA  <br>  EA [ | C I          | S<br>C  <br>                          | C<br>  | 3313<br> <br>'  | BOOMT  <br>  3-AF4 | 0.5[ |
| -N               | X13H-A!                        | EXCAVATE 3313 HANDHOLE   | 1                                     | EA             | CΙ           |                                       |        | 3313.2          | [3SWF3]            | 0.41 |
| -N  <br> <br>    | 322048 <br>  656400            | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND | 3<br>  3<br>  1                       | EA<br>CY       | ci<br>I<br>I |                                       | i<br>I | 3373.2<br> <br> |                    | 0.21 |
| N                | ]  <br> LN-S/U] ]              | TC-LANE CLOSURE URBAN STREET   | i 1                                   | EA]            | сi           | l<br>I S                              | C      | T I             | ТСЗ                | 1.0  |
| <br>-N           | [<br> LN/S/S  [                | LANE CLOSURE URBAN ST (STREET REPAIR)  |                                       |                |              | I<br>I S                              |        | l<br>l          | TC4                | 1.01 |
| DRK F.<br>JNC CO |                                | EXIST TAG NEW TAG  |                                       | со             | NSTR         | UCTION                                | NOT    | ES              |                    |      |
|                  |                                | ٤  | SEE SHT 8                             |                |              |                                       |        |                 |                    |      |
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DP001EM2-LOCAL40-001

DPSS - DESIGN REVIEW COPÝ - DETAIL 09/05/17 11:36 PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT LOCATION: 576 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 576 OF 587 

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SAN DIEGO GAS AND ELECTRIC

| RÓJECT: 2         | 53568           | JOB:01            | REV:0     |                          | NAME :    | ROLANDO             | BLK 7G2 -I  | &C JOB       | 1          |              |               |              |      | STATUS: AC | T WOI                   | RK ORDE              | R: 2960 | 700      |
|-------------------|-----------------|-------------------|-----------|--------------------------|-----------|---------------------|-------------|--------------|------------|--------------|---------------|--------------|------|------------|-------------------------|----------------------|---------|----------|
| ESIGN: 01         | NAME            | : ROLANI          |           | T&C JOB 1                |           |                     | STATUS:     | ACT          |            |              |               |              |      |            |                         |                      |         |          |
| CATION:           | 577 SHE         | ET: 01            | DISTRICT: | CM DES                   | IGNED BY  | : GEORGE            |             |              |            |              |               |              | PHON | VE: 999-99 | 99 1                    | LOCATIO              | N 577 ( | )F 58    |
|                   | AÚ ID           | STOČK#            | <br>  D   | ESCRIPTION               | /CONSTRU  | CTION NO            | TES         | I RQD        | UM [       | RSP          | RSP           | TRT [        | TRT  | STANDARD   | TYPE                    | HOURS                |         |          |
|                   | 3'HD-A          | ]                 |           | G TRENCH                 | 3 FT DEE  | P AVE               |             | 1 31         |            | C I          |               | S            | С    | G7453      | [3-WF3]                 | 11.7                 |         |          |
| L-N               | Ì               | i<br>I            |           | L TRENCH 3               | FOOT DE   | EP                  |             | j 31<br>     | FT         | ic           | <br>          | S  <br>      | С    | 1          | 13-WF3<br>1C-BC         | 0.5<br>0.5           |         |          |
| <br> -N <br> <br> | SHD-12<br> <br> | 611492            | SAND,     | RENCH WITH<br>FILL REC   |           |                     |             | 31<br>  2    | FT<br>  TN | i c<br> <br> | <br>  c  <br> | S  <br> <br> | Ċ    | Ì          | 3-WF3<br> C-BH<br> C-DT | 0.1 <br>0.1[<br>0.1] |         |          |
| I-N [<br>         | 1               | <br> 249664       | CONDU     | DB CONDUIT<br>IT DB 3 IN |           | length              |             | i 31<br>I 31 | FT<br>  FT | l            | i i           | i            | Ċ    | 3373.1<br> | <br> 3-WE3<br> <br>     | 0.51                 |         |          |
| <br> -N <br> <br> | R-XCES          | [<br>[<br>[X30007 | EXCESS    | TRENCH SPO<br>NG FEE     | OIL (12   | IN DEEP)            |             | 31<br>  3    | FT         | C<br>        | <br>  C  <br> | S  <br>      | С    | 3          | C-DT                    | 0.8                  |         |          |
| I-N               |                 | Ì                 |           | e 2 saw co               | IT AND BR | REAK MEC            | Н           | j 31         | FT         | i c          | 1             | 5            | С    | I          | SR3AS                   | 1.2                  |         |          |
| і<br> и–и<br>     | [CC-M18<br>     | <br> 248204       |           | E REPAIR E<br>ETE - 5 SA | OR TRENG  | CH MECH<br>'ROCK MI | 18 IN<br>X) | 31<br>  3    | IFT<br>CY  | i c<br>I     | l c           | S I          | с    | <br>       | 0-BC<br> SWF4B          | 0.1                  |         |          |
| WORK FA           | c               |                   |           | TAG NE                   | W TAG     |                     |             |              |            | CONS         | TRUC          | NOI          | NOT  | ES         |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     | SEE         | SHT 8        |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             | _            |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     | ·           |              |            |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         | <u>.</u> |
|                   |                 |                   |           |                          |           |                     |             | <b>.</b>     | <b>.</b>   |              |               |              |      |            |                         |                      |         |          |
|                   |                 |                   |           |                          |           |                     |             |              |            |              |               |              |      |            |                         |                      |         |          |

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|                   | :36         | <b></b>                 |                              |          | DPS       |          | EGO GAS A<br>IGN REVIE | W COPY |             | TAIL           |             |            |         |      |                 |                  | P/          | AGE NO 663   |
|-------------------|-------------|-------------------------|------------------------------|----------|-----------|----------|------------------------|--------|-------------|----------------|-------------|------------|---------|------|-----------------|------------------|-------------|--------------|
| OJECT: 25         |             |                         | REV:0                        |          |           |          | NDO BLK 7              |        |             |                |             |            |         |      |                 |                  |             | R: 2960700   |
|                   |             |                         | DO BLK 7G2                   |          |           |          |                        | TUS: A |             |                |             |            |         |      |                 |                  |             |              |
|                   |             | ĒΤ: 01                  | DISTRICT:                    | CM I     | DESIGNED  | BY: GEO  | RGE BONNE              | R      |             |                |             |            |         | PHO  | NE: 999-99      | 99 1             | OCATIO      | N 578 OF 587 |
| WRKI<br>F-CIMU ID | AU ID       | ]<br> STOCK#            | DE                           | SCRIPTI  | ION/CONST | TRUCTION | NOTES                  | 1      | QTY<br>RQD  | 1<br> UM]]     | WRK <br>RSP | RSP        | TRT     | TRT  | STANDARD        | TYPE             | HOURS       |              |
| -N <br>           | 3313TC<br>  | <br> 400302             | HANDHOLE<br>3313 I           | : 3313 7 | WITH TRAE | FFIC COV | ER                     | 1      | 1<br>1      | EA  <br>  EA   | C  <br>     | с          | S  <br> | С    | 3313<br>        | BOOMT<br>  3-AF4 | 3.01<br>0.5 |              |
| ⊂−N∣              | X13H-A      |                         | EXCAVATE                     | : 3313 E | HANDHOLE  |          |                        | 1      |             |                | 1           | 1          | 1       |      | <br> 3313.2     | 3SWF3            |             |              |
|                   |             | <br> 322048 <br> 656400 | 1-3 IN D<br>BEND C<br>SLURRY | ONDUIT   | DB 3 IN   | 90 D 36  |                        | 1      | 3<br>3<br>1 | EA<br>EA<br>CY | C  <br>     | 0 1<br>C 1 | S I     | С    | 3373.2<br> <br> | 1                | 0.2         |              |
|                   | LN-S/U      |                         | TC-LANE                      | CLOSURE  | È URBAN S | STREET   |                        | 1      | 1           |                | C 1         | - 1        | S I     | С    | I               |                  | 1.0         |              |
|                   | <br> ln/s/s |                         | LANE CLO                     | SURE U   | RBAN ST   | (STREET  | RÉPAIR)                | 1      |             | <br> EA{       |             |            |         |      |                 |                  | 1.0         |              |
| TORK FAC          |             |                         | EXIST                        | TAG      | NEW TAG   |          |                        |        |             |                | onst        | RUCT       | ION     | NOTI |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        | SEE    | SHT 8       |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        | - ·         |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   | -           |                         | ·                            |          |           |          |                        |        |             |                |             |            |         | •    |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         | •••  |                 |                  | <u> </u>    |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             | ,            |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           | •        |                        |        |             |                |             |            |         |      | <u> </u>        |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  | -           |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                | ,           |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      | - · · · · ·     |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            |         |      |                 |                  |             |              |
|                   |             |                         |                              |          |           |          |                        |        |             |                |             |            | -       |      | <u></u>         |                  |             |              |

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| 2001EM2-LO<br>9/05/17 11 | :36             | 01          | DPS  | SAN DIEGO GAS AND 3<br>S - DESIGN REVIEW C | ELECTRIC<br>OPY - DET | AIL              |       |             |      |       |                  |                         | _ PJ          | AGE NO 664   |
|--------------------------|-----------------|-------------|--|--|-----------------------|------------------|-------|-------------|------|-------|------------------|-------------------------|---------------|--------------|
| OJECT: 25                | 3568 3          | JOB:01      | REV:0 TYPE: UD NAM                             | E: ROLANDO BLK 7G2                         | -T&C JOB              | 1                |       |             |      |       |                  | r woi                   | RK ORDE       | R: 2960700   |
|                          | NAME :          | ROLANDO     | D BLK 7G2 T&C JOB 1                            | STATUS                                     |                       |                  |       |             |      |       |                  |                         |               |              |
| CATION: 5                | 79 SHEE         | ET: 01 I    | DISTRICT: CM DESIGNED                          | BY: GEORGE BONNER                          |                       |                  |       |             |      | PHON  | TE: 999-99       | 99 :                    | LOCATIO       | N 579 OF 587 |
| RK <br>-C MU ID          | AU ID           | <br> STOCK# | DESCRIPTION/CONST                              | RUCTION NOTES                              | RQD                   | UM۱              | RSP   | RSP1        | TRT  | TRT   | STANDARD<br>PAGE | TYPE                    | HOURS         |              |
|                          | 3'HD-A          | 1 1         | HAND DIG TRENCH 3 FT D                         |  | 1 301                 | FT [             | сi    | Í           | S    | С     | G7453            | 3-WF3                   | 11.3 <br>     |              |
| -N                       | <br> BKF-3'<br> |             | BACKFILL TRENCH 3 FOOT                         | DEEP                                       | j 30j                 | FT  <br>         | сi    | <br> <br>   | s    | С     |                  | 3-WF3                   | 0.5 <br>  0.5 |              |
| -N <br> <br>             | 1               | 1           | SHADE TRENCH WITH SAND<br>SAND, FILL RECYCLED  | - 12 INCH WIDTH<br>MATLS PREFFERED         | 2                     | FT  <br>TN  <br> | C I   |             | S    | С     | G7405            | 3-WF3<br> C-BH<br> C-DT | 0.1           |              |
| i                        | i               | 2496641     | 1-3 IN DB CONDUIT SEC<br>CONDUIT DB 3 IN 20 FT |  | i 30 <br>  30         | FT  <br>FT       | c i   | i i         | s    | С     | 3373.1           |                         | 0.5           |              |
| 1                        | 11DB3SB         | 322048      | 1-3 IN DB 90 D 36 IN R<br>BEND CONDUIT DB 3 IN | BEND SEC<br>90 D 36 IN R                   | i 11<br>I 11          | EA  <br>EA       | ci    |             | S    |       | 3373.2<br>       | 3-WF3<br>               | i i           |              |
| •                        | R-XCES          | [X30007]    | EXCESS TRENCH SPOIL (1<br>DUMPING FEE          | 2 IN DEEP)                                 | 1 30 <br>  3          | FT [<br>CY ]     | C     |             | S    | C<br> | 1                |                         | 1 0.8 <br>  1 |              |
|                          | PLANTU          |             | REMOVE/REPLACE LANDSCAP                        | PING                                       | j 30j                 | FT               | С     | <br>   <br> | S    | C     | İ                |                         | i 3.0i        |              |
|                          | !<br>1 LN-S/U   | i i         | TC-LANE CLOSURE URBAN S                        | STREET                                     | 1                     | EA               | С     |             | S    | ( C   | İ                |                         | 1.0           |              |
|                          | <br> LN/S/S     |             | LANE CLOSURE URBAN ST                          | (STREET REPAIR)                            |                       |                  |       | [ ]         |      |       |                  | •                       | 1 1.01        |              |
| NORK FAC<br>FUNC CODE    | DESC            |             | EXIST TAG NEW TAG                              |  | EE SHT 8              | -                | CONS: | IRUC:       | FION | NOT   | es<br>           |                         |               |              |
|                          |                 |             |  |  | <u> </u>              |                  |       |             |      |       |                  |                         |               |              |
|                          |                 |             |  | <u></u>                                    |                       |                  |       |             |      |       |                  | <b></b>                 |               |              |
|                          | <u> </u>        |             |  |  |                       |                  | ;     |             |      |       |                  |                         |               |              |
|                          |                 |             |  |  |                       |                  |       |             |      |       |                  |                         | _             |              |
|                          |                 |             |  |  |                       |                  |       |             |      |       |                  |                         |               | ·            |
|                          | <del>_</del>    |             |  |  |                       |                  |       |             |      |       |                  |                         |               |              |
|                          |                 |             | <u>.                                    </u>   |  |                       |                  |       |             |      |       |                  |                         |               | -            |
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| ROJE               | CT: 253         | 568 (  | JOB:01                            | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB           | 1                                |            |          |              |                 | STATUS: AC         | T WOF                          | RK ORDE              | R: 2960700  |
|--------------------|-----------------|--------|-----------------------------------|--|-------------------|----------------------------------|------------|----------|--------------|-----------------|--------------------|--------------------------------|----------------------|-------------|
| SIG                | N: 01           | NAME : | ROLAN                             | DO BLK 7G2 T&C JOB 1 STATUS:   | ACT               |                                  |            |          |              |                 |                    |                                |                      |             |
|                    |                 |        |                                   | DISTRICT: CM DESIGNED BY: GEORGE BONNER  | <b></b>           |                                  |            |          |              | PHO             | NE: 999-99         | 99 1                           | LOCATIC              | N 580 OF 58 |
|                    |                 |        |                                   | DESCRIPTION/CONSTRUCTION NOTES   | QTY<br>  RQD      | UM                               | WRK<br>RSP | MAT      | [TIM<br>[TRT | ACC<br>  TRT    | STANDARD<br>  PAGE | CREW<br>  TYPE                 | EST  <br>HOURS       |             |
| -N                 | E               | 3'HD-A |                                   | HAND DIG TRENCH 3 FT DEEP AVE  | [ 70              | FT                               | С          | ſ        | 5            | C               | G7453              | 3-WF3                          | 25.71                |             |
| <br>  ~N  <br>     | ii<br>I         |        | 1                                 | <br>  BACKFILL TRENCH 3 FOOT DEEP<br> <br>   |                   |                                  | C          | l<br>l   | 5            | i c<br>I        | ſ                  | 3-WF3<br> C-BC                 | 1.1                  |             |
| <br>[-][]<br> <br> | i.              | ļ      |                                   | <br>  SHADE TRENCH WITH SAND - 12 INCH WIDTH<br>  SAND, FILL RECYCLED MATLS PREFFERED<br>              |                   | TN                               |            | i<br>I C | E<br>I       | C<br> <br>      | G7405<br> <br>     | IC-BH<br>IC-DT                 | 0.21<br>0.21<br>0.21 |             |
| N  <br>            | 1               |        |                                   | 1-3 IN DB CONDUIT SEC<br>  CONDUIT DB 3 IN 20 FT LENGTH  | 1 70              | FT                               | С          | с        | (S           | I               | 3373.1             | <br> 3-wf3<br>                 | 1.1                  |             |
| N <br>             | ji              | R-XCES | i<br>1x30007                      | EXCESS TRENCH SPOIL (12 IN DEEP)<br>  DUMPING FEE  | 70<br>  7         | FT <br>  FT <br>  CY             | С          | с        |              | <br>  C<br>     | <br>               | [<br>[C-DT  <br>[              | 1.8                  |             |
| -N                 |                 | AS-2CT | [                                 | ASPHALT 2 SAW CUT AND BREAK MECH   | 58                |                                  | С          |          | <br>  S      |                 |                    | I<br>SR3AS                     | 1.5                  |             |
| [-N <br> <br>      |                 |        | <br> X20022<br> 114201<br> 114202 | <br>  ASPHALT BASE & TOP MECH 12 IN<br>  GRIND ASPHALT (PER SF)<br>  ASPHALT (BASE)<br>  ASPHALT (TOP) | 58<br>  5<br>  2  | FT  <br>  SF  <br>  TN  <br>  TN | С          |          |              | C<br> <br> <br> | <br> <br> <br>     | <br>  C-BC<br>  SR-3A<br> <br> | 3.9 <br>3.9          |             |
| <br>               | 1               | BH03XH | X20201                            | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>  TRAFFIC BEARING STEEL PLATE<br>  ASPHALT, COLD MIX              | 12<br>  1         | FT  <br>  EA  <br>  TN           | с          | С        |              | C<br> <br>      | G7453<br>          | C-BH<br> 35WF4                 | 0.6<br>0.6<br>1.2    |             |
| -N;<br>[           | 1               |        | <br> <br>  X30007                 | TRENCH SPOIL 3 FT DEPTH<br>  DUMPING FEE   | 15<br>  4         | CY                               | С          |          | <br>  S<br>  | 1 C<br>1        | 1                  | C-DT                           | 1.3                  |             |
| -N <br>            | <br> !<br>      | SLR-18 | <br> 656400                       | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | 1 45<br>1 3       | CY                               | С          | С        | 1            | I I             | G7409              | 1                              | 0.1                  |             |
| -N <br> <br>       |                 | 1EB3SL | 249664<br>656400                  | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 15<br>  15<br>  1 | FT  <br>  CY                     | С          | С        | I S          | С               | 3376,1             | <br>                           | 0.2]                 |             |
| -N <br> <br>       | <br> :<br> <br> | 1-3SLB | 322048<br>656400                  | 1-3 IN DB 90 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DB 3 IN 90 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                   | EA<br>CY                         | С          | с<br>с   | 5<br>        |                 | 3373.2             |                                | 0.1                  |             |
| -N                 |                 | SAW-CC |                                   | SAW CUT CONCRETE   | 10                |                                  | С          |          | <br>  S      | C               | l                  | <br> SR-3C                     | 1.5                  |             |
| -N <br>            | 10              | CC-WLK |                                   | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | 1                 | EA                               | Ċ          |          | s            | с               |                    | <br> SR3CS <br>                | 1.0                  |             |

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the second  | LECTRIC<br>PY - DE | TAII               | ,          |                 |              |                  |                    |                     | -                   | AGE NO 666  |
|--------------------------|-----------------|-------------------------|--|--------------------|--------------------|------------|-----------------|--------------|------------------|--------------------|---------------------|---------------------|-------------|
| RÓJECT: 25               | 3568            | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -   | T&C JOB            | 1                  |            |                 |              | :                | STATUS: AC         | T WOE               | RK ORDE             | R: 2960700  |
|                          |                 |                         | O BLK 7G2 T&C JOB 1 STATUS:  |                    |                    |            |                 |              |                  |                    |                     |                     |             |
| OCATION: 5               | 81 SHEI         | ST: 01                  | DISTRICT: CM DESIGNED BY: GEORGE BONNER  |                    |                    |            |                 |              | PHO              | NE: 999-99         | 99 1                | LOCATIC             | N 581 OF 58 |
| WRK <br>F-CIMULTO        |                 | <br>  STOCK#            | DESCRIPTION/CONSTRUCTION NOTES   | I ROD              | 1 UM I             | RSP        | RSP             | TRT          | TRT              | STANDARD<br>  PAGE | TYPE                | HOURS               |             |
| I-NI                     | AS-2CT          | [ ]                     | ASPHALT 2 SAW CUT AND BREAK MECH   | 1 28               | $ \mathbf{FT} $    | С          | 1               | ,<br>  S<br> | I C              | 1                  | (SR3AS              | 0.7                 |             |
| I-N                      | 1               | <br> 114201             | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)  | 28                 | FT<br>TN           | С          | і<br>1 с        | ! S          | i c              | i<br>I             | C-BC<br> SR4AL      | 0.8                 |             |
| <br>I-N <br> <br>        | BH03XH<br> <br> | X20201 <br> 114215      | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                  | 36<br>27           | FT<br>EA           | С          | i<br>i c<br>i c |              |                  | G7453<br> <br>     |                     | 1.4<br>1.4<br>2.9   |             |
| I-N!                     | <br> REM-3'<br> | X30007                  |  | 36<br>  9          | FT<br>  CY         | С          | I C             | i s<br>I     | ) <sup>-</sup> C | 1                  |                     |                     |             |
|                          | SLR-18<br>      | <br> 656400             | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND                                     | i 108              | FT<br>CY           | с          | 1<br>1 C        | ] S<br>      |                  |                    | 3-WF3               | 0.20                | <b>_</b>    |
| I-N[<br>[<br>]           | 1               | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND            | 36<br>  36<br>  1  | FT<br>  FT<br>  CY |            | <br>  C<br>  C  | ; Ş          | i C<br>1<br>1    | 3376.1<br>1        | 3-WF3<br> <br> <br> | 1 0.5<br>1 1<br>1 1 |             |
| <br>[-N]                 | 1-35L8<br> <br> | 321878<br>656400        | 1-3 IN DE 45 D 36 IN R BEND SLURRY ENC<br>BEND CONDUIT DE 3 IN 45 D 36 IN R<br>SLURRY MIX, 1 SACK SAND |                    | EA<br> EA<br> CY   | C<br> <br> | <br>  C<br>  C  | 5            | C<br> <br>       | 3373.2<br>         | 1                   | 0.1 <br>            |             |
| I-N!                     | SAW-CC          |                         | SAW CUT CONCRETE   | i 10               | FT                 | C          | 1               |              | I C              | 1                  |                     | 1 1.5               |             |
| I-NI                     | CC-WLK          | 1248205                 | CONCRETE SIDEWALK SECTION (5X5) FINISHED<br>CONCRETE - 6 SACK (3/4" ROCK MIX)                          | i 1                | EA<br> CY          | i C<br>I   | i<br>I C        | S            | I C              | 1                  | •                   | i 1.0               |             |
| I-N]                     | XING-U<br>      | 1114215                 | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX  | 1                  | [FT]               | іс<br>     | i<br>1 C        | I S          | C<br>            | <br>               | TC4                 | 0.1 <br>            |             |
| I-N                      | IXING/S         |                         | TRAFFIC COND. (XING LANE) STREET REPAIR  | 1                  | FT                 | C          | 1               | s            | ιc               | I.                 | TC4                 |                     |             |
| 1-N                      | I<br>ILN-S/U    | i -                     | TC-LANE CLOSURE URBAN STREET   | i 1                | ]EA                | i c        | i –             | S            | C                | I                  | TC3                 | 1.0                 |             |
| <br>I-N                  | ]<br> LN/S/Ş    | l                       | LANE CLOSURE URBAN ST (STREET REPAIR)  | ] 1                | EA                 | i c        |                 | [ s          | i c              | 1                  | TC4                 |                     |             |
| WORK FAI                 |                 |                         | EXIST TAG NEW TAG  |                    |                    | CONS       | TRUC            | TION         | NOI              | ES                 |                     |                     |             |
|                          |                 |                         | SI   | ee sht 9           | I                  |            |                 |              |                  |                    |                     |                     |             |

| ROJECT: 25        | 3568             | JOB:01                  | REV:0 TYPE: UD NAME: ROLANDO  | D BLK 7G2 -T&C JOB  | 1             |             |            |     | 5            | STATUS: AC     | T WO                         | RK ORDE        | R: 2960700  |
|-------------------|------------------|-------------------------|---|---------------------|---------------|-------------|------------|-----|--------------|----------------|------------------------------|----------------|-------------|
| SIGN: 01          | NAME             | : ROLAND                | 0 BLK 7G2 T&C JOB 1   | STATUS: ACT         |               |             |            |     |              |                |                              |                |             |
|                   |                  |                         | DISTRICT: CM DESIGNED BY: GEORGE  |                     |               |             |            |     | PHO          | NE: 999-99     | 99 1                         | LOCATIO        | N 582 OF 58 |
| WRKI<br>F-CIMU ID | <br> AU ID       | [  <br>[STOCK#]         | DESCRIPTION/CONSTRUCTION NO   | QTY  <br>DTES   RQD | UM            | WRK <br>RSP | MAT<br>RSP | TIM | ACC          | STANDARD       | CREW                         | EST  <br>HOURS |             |
| I-N               | 3'HD-A           |                         | HAND DIG TRENCH 3 FT DEEP AVE   | 25                  | FT            | CI          | 1          | S   | с            | G7453          | 3-WF3                        | 9.5            |             |
| I-N               | BKF-3'           | i i                     | BACKFILL TRENCH 3 FOOT DEEP   | 25 <br>             | FT            | C  <br>  C  |            | S   | C C          | I              | 3-WF3<br> C-BC               | 0.4            |             |
| I – N  <br>       | Ì                |                         | SHADE TRENCH WITH SAND - 12 INCH<br>SAND, FILL RECYCLED MATLS PREI                          | FFERED [ 2]         | TN <br>       | <br> <br>   | С          | l   | C  <br> <br> | G7405<br> <br> | <br> 3-WF3<br> C-BH<br> C-DT | 0.1            |             |
| I-N               | 1DB3—S           | i i                     | 1-3 IN DE CONDUIT SEC<br>CONDUIT DE 3 IN 20 FT LENGTH                                       | 25<br>  25          | <br>FT]<br>FT | C I         | сi         | S   | İ            | 3373.1<br>     | <br> 3-WF3<br>               | 0.4            |             |
| ſ-N               | 1DB3SB<br>       | i i                     | 1-3 IN DB 90 D 36 IN R BEND SEC<br>BEND CONDUIT DB 3 IN 90 D 36 IN                          | I 1                 | EA ]<br>EA ]  |             | с          | l   | C            | 3373.2         | 1                            | i i            |             |
| L-N               | R-XCES           | 1 1                     | EXCESS TRENCH SPOIL (12 IN DEEP)<br>DUMPING FEE   | ) [ 25]<br>[ 3]     | CY            |             | С          | IS  | C  <br>  C   | [              | IC-DT                        | 0.6            |             |
| I-N               | <br>  PLANTU<br> | i i                     | REMOVE/REPLACE LANDSCAPING  | 25                  |               | CI          |            | s   | <br>  C      | I              | <br> 3-WF3                   | 2.5            |             |
| I-N               |                  | i i                     | SAW CUT CONCRETE  |                     |               | i c i       |            | s   | ( C          | Ī              | I<br>ISR-3C                  | 1.5            |             |
| r <b>-</b> n      | CC-WLK           | i i                     | CONCRETE SIDEWALK SECTION (5x5) H<br>CONCRETE - 6 SACK (3/4" ROCK MJ                        |                     | EA<br>[CY]    | CI          |            |     |              | ĺ              | I<br>ISR3CS                  | 1.0            |             |
| I-N <br> <br>     | BH03XH           | i<br>[X20201]           | MACH DIG TRENCH 3 FT DEEP BACKHO<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX        | 4 <br>  1]          | EA I<br>TN I  | Í           | c<br>c     |     |              |                | <br> C-BC<br> C-BH<br> 3SWE4 | 0.2            |             |
| [—N]<br>]         | REM-3'           | <br> X30007             | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 5                   | <br>FT <br>CY | CΙ          | с          |     | C            | 1              | [<br>[C-DT<br>]              | 0.4            |             |
| -N 1              | SLR-18<br>       |                         | BACKFILL SLURRY 18 IN WIDE X 12 I<br>SLURRY MIX, 1 SACK SAND                                | 11                  | CY            |             | с          | -   |              |                | <br> 3-WF3<br> <br>          | i i            |             |
| :-N <br>1<br>1    | 1EB3SL<br> <br>  | <br> 249664 <br> 656400 | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLÜRRY MIX, 1 SACK SAND | 5 <br>  5 <br>  1   | FT <br>CY     | C           | с          | S   | i c i        | 3376.1         | 3-WF3<br> <br>               | 0.1            |             |
| [-N]              | ILN-S/U          |                         | TC-LANE CLOSURE URBAN STREET  |                     |               | CI          |            | S   |              | I              | <br>  TC3                    | 1.0            |             |
|                   |                  |                         | LANE CLOSURE URBAN ST (STREET REP   |                     |               | c           |            | s   |              |                | <br>  TC4                    | 1.0            |             |

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|-------------|-------------|-------------|---------------------------|-----------|---------|---------|---------|-------------------|-------|-----------|------------|------------|-------|--------------|----------|--------------------|------------|----------|-------------|
| OJECT: 253  | 3568 J      | JOB:01      | REV:0                     | TYPE:     | UD      | NAME :  | ROLANI  | DO BLK            | 7G2 - | -T&C J(   | OB 1       |            |       | <b>_</b>     |          |                    |            |          | R: 2960700  |
| SIGN: 01    | NAME :      | ROLANE      |                           | 2 T&C JOI | в 1     |         |         | ST                | TATUS | : ACT     |            |            |       |              |          |                    |            |          |             |
| CATION: 58  |             |             |                           | CM :      | DESIG   |         | : GEORG | GE BONN           | IER   |           |            |            |       |              | PHO      | NE: 999-99         | 99         | LOCATIO  | N 583 OF 58 |
| RK   <br>   | ו תד ולמו   | STOCK#1     | <br>  I                   | DESCRIPT  | ION/C   | ONSTRU  | CTION 1 | NOTES             |       | I RO      | ) បា       | 4 RS       | PIRSE | TRT          | [ TRŤ    | STANDARD<br>  PAGE | TYPE       | [HOURS]  |             |
| -N          | 330926 <br> | <br> 162690 | HAND HO<br>QUAZI          | DLE 3309  | .2 37   | "X 26"  | X 26"   |                   |       | 1         | 1 E<br>1 E | A  C<br>Al | l c   | S<br>        | 1 C      | 13309.2<br>1       | [3SWF3     | 0.8      |             |
| -N          | X09H26      | 162690      | INSTALI                   |           |         |         |         |                   |       | <br> <br> | 1 E<br>1 E | AL C<br>Al | c     | i S<br>1     | l C<br>I | 3309.2             |            | 0.8 <br> |             |
| N [         | 1-3SLB <br> | 322048      | 1-3 IN<br>  BEND          | CONDUIT   | DB 3    | 3 IN 90 | D 36 3  | RRY ENG<br>IN R   | 0     |           | 31E<br>31E | AIC<br>AI  | l c   | S<br> <br>   | 1 C      | 3373.2<br>         |            | 0.21     | ······      |
| [-N]        |             |             | I SLURI<br>I<br>I REMOVE, |           |         |         |         |                   |       |           | l          | 1          | i     | E            | 1        | 1                  | <br> 3-WF3 | 0.1      |             |
| UNC CODE    | DESC        |             | EXIS:                     | F TAG     | NEW     | 'TAG    |         | <b></b>           | S     | EE SHT    | 9          |            |       |              |          |                    |            |          |             |
|             |             |             | _                         |           |         |         |         |                   |       |           |            |            |       |              |          | <u></u> .          |            |          |             |
| A           |             |             |                           |           |         | ·       |         |                   |       |           |            |            |       |              |          |                    |            |          |             |
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|                  |                 |                           | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2  |                   |                    |            |                |             |              |            |                     |                         | R: 2960700   |  |  |
|------------------|-----------------|---------------------------|---|-------------------|--------------------|------------|----------------|-------------|--------------|------------|---------------------|-------------------------|--------------|--|--|
|                  |                 |                           | O BLK 7G2 T&C JOB 1 STATUS  |                   |                    |            |                |             |              |            |                     |                         |              |  |  |
| CATION:          | 584 SHE         | ET: 01                    | DISTRICT: CM DESIGNED BY: GEORGE BONNER   |                   |                    |            |                |             | PHON         | NE: 999-99 | 99 :                | LOCATIO                 | ON 584 OF 58 |  |  |
| F-C MU I         | <br>D  AU ID    | STOCK#                    | DESCRIPTION/CONSTRUCTION NOTES  | RQD               |                    |            |                | TRT         | TRT          | PAGE       | TYPE                | HOURS                   | HOURS        |  |  |
| I-N              | AS-2CT          |                           | ASPHALT 2 SAW CUT AND BREAK MECH  | 42                | FT                 | i c        | ſ              |             | C            |            | I SR3AS             | 1.1                     |              |  |  |
| I-N              | AB-M1\$<br>     | f f                       | ASPHALT BASE MECH 18 IN<br>ASPHALT (BASE)   | 42<br>  5         | FT<br>  TN         | i c        | <br>  C        | S<br>       | i c i        |            | C-BC<br> SR4AL      | 1.1 <br>  1.1           |              |  |  |
| I-N              | BH03XH<br> <br> | <br> X20201 <br> 114215   | MACH DIG TRENCH 3 FT DEEP BACKHOE<br>TRAFFIC BEARING STEEL PLATE<br>ASPHALT, COLD MIX                     | 68<br>  51<br>  1 | FT<br>  EA<br>  TN | C<br> <br> | <br>  C<br>  C | \$<br>[<br> | C  <br>      | G7453      | C-BH<br> 3SWF4      | 2.7 <br>  2.7 <br>  5.4 |              |  |  |
| I-N <br> <br>    | REM-3'          |                           | TRENCH SPOIL 3 FT DEPTH<br>DUMPING FEE  | 68<br>  17        | FT<br>  CY         | I C        | l<br>I C       | <br>  S<br> | I C I        |            | [<br>[ C-DT<br>[    | 6.01                    |              |  |  |
| I-N <br> <br>    | SLR-18<br>      | i i                       | BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP<br>SLURRY MIX, 1 SACK SAND  | 204<br>  12       | FT<br>  CY         | [ C<br>    | <br>  C        | S           |              | G7409      | <br> 3-WF3<br> <br> | 0.4                     |              |  |  |
| I — N  <br> <br> | 1EB3SL<br> <br> | [<br>[249664]<br>[656400] | 1-3 IN EB CONDUIT SLURRY ENCASED<br>CONDUIT DB 3 IN 20 FT LENGTH<br>SLURRY MIX, 1 SACK SAND               | 28<br>  28<br>  1 | FT<br>  FT<br>  CY | C<br>[<br> | <br>  C<br>  C | S<br> <br>  | C  <br> <br> | 3376.1     | 3-WF3<br> <br>      |                         |              |  |  |
| <br>[-N]<br>     | 11-3SLS         | 322144                    | 1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED<br>BEND CONDUIT DB 3 IN 22.5 D 25 FT R<br>SLURRY MIX. 1 SACK SAND | 4<br>  4<br>  1   | EA<br>EA<br>CY     | I Ç<br>I   | <br>  C<br>  C |             | C  <br> <br> | 3373.2     | 3-WF3<br> <br>      |                         |              |  |  |
| I-N]             | ]SAW-CC         | i i                       | SAW CUT CONCRETE  | 1 10              | FT                 | C I        | İ.             | <br>  S     | C            |            | l<br>  SR-3C        | 1.5                     |              |  |  |
| [-N]             | l.              | i i                       | CONCRETE - 6 SACK (3/4" ROCK MIX)   | 1                 | EA<br>CY           | с<br>I     | <br>  C        |             | i c<br>I     |            | <br> SR3CS<br> <br> | 1.0 <br>                |              |  |  |
| τ-Ν[<br>[<br>[   | i xing-u<br>I   | i i                       | TC-TRAFFIC CONDITIONS STREET CROSSINGS<br>ASPHALT, COLD MIX   | 1<br>  1          | FT<br>TN           | C<br>      | <br>  C        | S<br>       | I C          |            | <br> TC4<br>        | 0.1 <br>                |              |  |  |
| E→N              | XINĠ/S          | i i                       | TRAFFIC COND. (XING LANE) STREET REPAIR   | j 1               | ΞT                 | ic.        | i.             |             | I C I        |            | <br> TC4<br>]       | 0.1                     |              |  |  |
| L-N              |                 | i i                       | TC-LANE CLOSURE URBAN STREET  | 1                 | EA                 | i C I      | I I            | S           | I C I        |            | TC3                 | 1.0                     |              |  |  |
| [-N              | LN/S/S          |                           | LANE CLOSURE URBAN ST (STREET REPAIR)   |                   |                    |            |                | [<br>  S    |              |            | I<br> TC4           |                         |              |  |  |
|                  | AC<br>DE DESC   |                           | EXIST TAG NEW TAG CONSTRUCTION NOTES  |                   |                    |            |                |             |              |            |                     |                         |              |  |  |
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| PROJECT:              | 253  | 568   | JOB:01                                 | REV                            | REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 |        |        |         |       |       |    |      |      |   | STATUS: ACT WORK ORDER: 2960700 |           |          |          |       |                 |      |        |         |          |
| DESIGN: C             | 01   |       | : ROLAN                                |                                |   |        |        |         |       |       |    | ATUS | : AC | 2 |                                 |           |          |          |       |                 |      |        |         |          |
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| WRK <br> F-C MU I     |  | AU ID |  | DESCRIPTION/CONSTRUCTION NOTES |   |        |        |         |       |       |    |      |      |   |                                 |           |          |          |       | STANDAR<br>PAGE | TYPE | HOURS  |         |          |
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| WORK H<br>FUNC CC     |  | DESC  | C EXIST TAG NEW TAG CONSTRUCTION NOTES |                                |   |        |        |         |       |       |    |      |      |   |                                 |           |          |          |       |                 |      |        |         |          |
|                       | SEE SHT 5  |       |  |                                |   |        |        |         |       |       |    |      |      |   |                                 |           |          |          |       |                 |      |        |         |          |
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| PROJECT:              | 253  | 568   | JOB:01   | REV:0     | TYPE    | : UD   |        |       |                     |       |       |      |         |         | 5      | STATUS: A        |         | ORK ORD       | ER: 29607 | 00     |
| DESIGN: 0             | 01   | NAME  | : ROLAND |           | 2 T&C J | OB 1   |        |       |                     | ATUS: |       |      |         |         |        |                  |         |               |           |        |
| LOCATION:             | : 58 | 6 SHE | ET: 01   | DISTRICT: | : CM    | DESIG  |        | GEOR  | ge bonn             | ER    |       |      |         |         |        | VE: 999-9        |         |               | ON 586 OF | 587    |
| F-C MU I              | ID   |       |          | I         | DESCRIF | TIÓN/C | ONSTRU |       |                     |       |       | 1    | WRKIM   | AT   TI | M[ACC  | STANDARI<br>PAGE | D ICREW | EST<br> HOURS | 1         |        |
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|                       |      |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
|                       |      |       |          |           |         |        |        |       |                     |       |       | -    |         |         |        |                  |         |               |           | ······ |
|                       |      |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
|                       |      |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
|                       |      |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
|                       | ·    |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
|                       |      |       |          |           |         |        |        |       |                     |       |       |      |         |         |        |                  |         |               |           |        |
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| DBOOLENG-LOCAL40-001 DEAR DIEGO GAS AND ELECTRAL PARE NO 722   DEVECT: 252588 OB-001 RLW10 TYPE:UD NAME: ROLANDO BLK 722 CANTON: ACT   DESCIN: 01 NAME: ROLANDO BLK 722 CANTON: ACT FREE NO 702 DESCIN: 01 NAME: ROLANDO BLK 722 CANTON: ACT   ZOCATICH: 01 DISTRICT: CANTON: ACT FREE NO 702 DESCIN: NO NAME: ROLANDO BLK 722 DESCIN: ACT FREE NO 702 DESCIN: NO DESCIN: S07 |                         |                   |                   |                   |                  |                   |                  |          |           |                 |            |         |                 |             |                |                  |                |          |               |
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| SIGN: 01 I  | NAME: ROI               | LANDO BI          | LK 7G2            | T&C JC            | DB 1             |                   |                  | STA      | rus: A    | T               |            |         |                 |             |                |                  |                |          |               |
| CATION: 587   | SHEET: (                | DI DIS            | TRICT:            | CM                | DESIG            | NED BY            | GEORG            | E BONNEI | 2         |                 |            |         |                 |             |                |                  | 99 1           | LOCATIO  | N 587 OF 587  |
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| I-N   1-<br>   <br>   | 3SL8 <br>  321<br>  656 | 1-<br>378 <br>400 | BEND C            | CONDUII<br>( MIX, | r db 3<br>1 sac  | S IN 45<br>K SAND | D 36 I           | RRY ENC  | l         | 21              | EA  <br>EA | יד<br>ו | ן<br>עו         | S 1         |                | 3373.2           | l              | 1 [      | u             |
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|   |                         |                   | ·                 |                   | <u>.</u>         |                   |                  |          | , <u></u> |                 |            |         |                 |             |                |                  |                |          |               |
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|   |                         |                   |                   |                   |                  | _                 |                  |          |           |                 | . —        |         |                 |             |                |                  |                |          | <u> </u>      |
|   |                         |                   |                   |                   |                  |                   |                  |          |           |                 |            |         |                 |             |                |                  |                |          | 11 <b>4</b> 7 |
|   |                         |                   |                   |                   |                  |                   |                  |          |           |                 |            |         |                 |             |                |                  |                |          |               |
|   |                         |                   |                   |                   |                  |                   |                  |          |           |                 |            |         |                 |             |                |                  |                |          |               |
| - <b>1</b> -11  |                         |                   |                   |                   |                  |                   | -                |          |           |                 | -          |         |                 |             |                |                  |                |          |               |
|   |                         |                   |                   |                   |                  |                   |                  |          |           |                 |            |         |                 |             |                |                  |                |          |               |
|   |                         |                   |                   |                   |                  |                   | · <b>-</b>       |          |           |                 |            |         |                 |             |                |                  |                |          |               |

# UTILITIES UNDERGROUNDING PROGRAM Block 7G2 SDG&E Service Worksheet

|                              |                                       | 3600 MIN | -        | Sector and the sector of the | CABLE    | No. of Concession, Name |                      | 01528DA         |          | (SM) Sec | 6-91-9 Free | POLOCATION AND THE REAL PLANT OF THE REAL PROPERTY OF | Ser all at the | CHARLES AND | and the second second second second second second second second second second second second second second second |           |
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| G CHARLE PROPERTY ADDRESS 4. | A A A A A A A A A A A A A A A A A A A | Sisz in  | ROMARES  | au194:10                     | - decine | SOLD XCMR6              | A STATE WATCHER TANK | 230)<br>23 R 24 |          | 2        |             |   |                | And A DECK  | <b>MECONCILE</b>   | 1653172   |
| 6113 ACORN ST                | 6567563                               | 1-3"     | 3        | U1P-#2                       | 66       | 169-95                  | 169-248              |                 | 100      | MR       | PC          | N/E WALL BEYOND EX. MTR                               | Y              |             | 44   | ┣━        |
| 6115 ACORN ST                |                                       |          |          |                              |          |                         |                      |                 |          |          |             |   |                |             |  |           |
| 6125 ACORN ST                | 5523147                               | 1-3"     | 3        | U1P#2                        | 86       | 169-95                  | 169-248              |                 | 100      | MR       | PC PC       | EAST WALL BEYOND EX. MTR                              | Y              | 53          | 10   | ⊢         |
| 6127 ACORN ST                | 5523146                               | 1        |          |                              |          |                         | -                    |                 |          |          |             |   |                |             |  | <u> </u>  |
| 6126 ACORN ST                | 5993184                               |          |          |                              | 85       | 169-95                  | 169-248              |                 | 100      |          |             | Existing meter pedestal                               |                |             |  |           |
| 6130 ACORN ST                | 5523149                               | 1-3"     | 3        | U1P-#2                       | 52       | 169-95                  | 169-248              | Y               | 100      | MR       | PC          | WEST WALL BEYOND EX. MTRS                             | Ý              | 21          | 10   | 1         |
| 6132 ACORN ST                | 5540885                               |          | ··       |                              |          | 1                       |                      | 1.              |          |          |             | 1   |                |             |  | 1         |
| 6134 ACORN ST                | 5540883                               |          |          |                              | -        |                         |                      |                 |          |          |             |   |                |             | L  |           |
| 6136 ACORN ST                | 5540882                               |          |          |                              |          |                         |                      |                 |          |          |             |   |                |             |  |           |
| 6138 ACORN ST                | 5540861                               |          |          | †                            |          | í                       |                      |                 |          |          |             |   |                |             |  |           |
| 6138 1/2 ACORN ST            | 5540860                               |          |          | +                            |          |                         |                      |                 |          |          | <u> </u>    |   |                |             |  |           |
| 6138 ACORN ST HM             | 5540884                               |          | <u> </u> |                              |          |                         |                      |                 |          |          | }           |   |                | Γ           |  |           |
| 6140 ACORN ST                | 5540858                               | -        | 1        |                              |          |                         |                      |                 |          |          |             |   |                |             |  |           |
| 6140 1/2 ACORN ST            | 5540859                               | 1        |          |                              |          |                         |                      |                 |          | -        | 1           |   |                |             |  |           |
| 6135 ACORN ST                | 5523151                               | 1-3"     | 3        | U1P-#2                       | 63       | 169-95                  | 169-248              | Y               | 100      | MR       | PC          | EAST WALL BEYOND EX. MTR                              | Ý              | 21          | 21   |           |
|                              | 5523152                               | 1-0      | — Ť      | 67±1 #22                     |          |                         |                      |                 |          |          | 1           |   | Ý              |             |  |           |
| 6137 ACORN ST                | 5540836                               | 1-3"     | 3        | U1P-#2                       | 32       | 169-95                  | 169-248              |                 | 100      | MR       | PC          | SOUTH WALL, S/E CORNER                                |                | 14          |  |           |
| 6146 ACORN ST                | 5540835                               | 1-0      | 3        | 016-42                       |          | 103-85                  | 100-240              |                 | 140      | 1111     |             |   | 1              |             |  | T         |
| 6148 ACORN ST                | 5540835                               |          |          | +                            |          |                         |                      |                 |          |          |             |   | <u>+</u>       |             |  | $\vdash$  |
| 6148 1/2 ACORN ST            |                                       |          |          |                              |          |                         | m                    | <u> </u>        |          |          | ·           |   | 1              |             |  | $\square$ |
| 6150 ACORN ST                | 5540837                               | 4.08     |          | 1140 47                      | ~        | 169-95                  | 169-248              | +               | 100      | MR       | PC          | WEST WALL BEYOND GAS MTR                              | Ŷ              | 33          | 14   | ┢         |
| 6145 ACORN ST                | 5523150                               | 1-3"     | 3        | U1P-#2                       | 63       | 108-80                  | 108-240              |                 |          | tivps.   |             |   | <u> </u>       |             |  | ┢         |
| 6147 ACORN ST                | 5523153                               |          |          |                              |          | 100.05                  | 400.070              |                 | 400      | MR       | CC C        | WEST WALL AT EX. MTR                                  |                | 1           | 21   | +         |
| 6156 ACORN ST                | 5540810                               | 1-3"     | 3        | U1P-#2                       | 41       | 169-95                  | 169-248              | Y               | 400      | MIT.     |             | WEST WALLAT EX. MIR                                   | <u> </u>       |             | <u> </u>   | +         |
| 6158 ACORN ST                | 5540811                               |          |          |                              |          | ļ                       |                      |                 |          | Į        |             |   |                |             |  | +         |
| 6160 ACORN ST                | 5540891                               |          |          |                              |          |                         |                      |                 |          |          |             | · · · · · · · · · · · · · · · · · · ·                 |                |             |  | +         |
| 6162 1/2 ACORN ST            | 5540812                               |          |          |                              |          |                         |                      | <u> </u>        |          |          |             |   |                | 6           |  | ┿         |
| 6162 ACORN ST                | 5540813                               | 1-3      | 3        | U1P-#2                       | 89       | 169-95                  | 169-248              |                 | 100      | SR       | MA          | RHA at ex. Mtr  |                | 0           |  | +         |
| 6155 ACORN ST                | 5523175                               | 1-3"     | 3        | U1P-#2                       | 44       | 169-95                  | 169-248              |                 | 100      | MR       | PÇ          | EAST WALL NORTH EAST CRNER BEYOND EX. MTR             |                |             | 20   |           |
| 6157 ACORN ST                | 5523176                               |          | 1        |                              |          |                         |                      |                 |          |          |             |   |                |             | <u> </u>   |           |
| 6165 ACORN ST                | 5523177                               | 1-3"     | 3        | U1P-#2                       | 26       | 169-95                  | 169-248              |                 | 100      | MR       | PC          | NORTH WALL East OF EX. MTR                            |                | 10          |  |           |
| 6167 ACORN ST                | 5523174                               | 1        | <u> </u> |                              |          |                         |                      |                 |          |          | 1           |   |                |             | 1  |           |
| 6207 ACORN ST                | 5625537                               | 1-3"     | 3        | U1P-#2                       | 26       | RD4-71                  | 169-253              |                 | 100      | MR       | PC          | SOUTH WALL EAST OF EX. MTR                            |                |             | 22   | $\Box$    |
| 6175 ACORN ST                | 5523198                               | 1-3"     | 3        | U1P-#2                       | 28       | 169-95                  | 169-248              | -               | 100      | MR       | PC          | East WALL N/E CORNER                                  |                | 12          |  | Т         |
|                              | 5523201                               | 1 1-3    | <u> </u> | 011-72                       | 20       | 100-00                  |                      |                 |          |          | <u> </u>    |   | Ť              |             |  | 1         |
| 6177 ACORN ST                |                                       | 1-3"     | ~        | U1P-#2                       | 51       | 169-95                  | 169-248              |                 | 200      | SR       | PC          | NORTH END OF WEST WALL                                | Y              | 34          | 1  | 1         |
| 6185 ACORN ST                | 5710260                               |          | 3        |                              |          | RD4-71                  | 169-253              | ~               | 100      | SR       | PC          | SOUTH WALL EAST OF EX, MTR                            | Y              | 3           | 40   | +         |
| 6217 ACORN ST                | 5905834                               | 1-3      | 3        | U1P1/0                       | 172      |                         |                      | Y               | 200      | MR       | PČ          | East Wall South of Ex. Mtr                            |                | 25          | 5  | +         |
| 6225 ACORN ST 37             | 5632065                               | 1-3"     | 3        | U1P350                       | 42       | RD4-71                  | 169-256              |                 | 200      | NILY IN  |             |   | 1              | 1           | +  | +         |
| 6225 ACORN \$T 38            | 5631982                               |          |          | 1                            |          | +                       |                      | +               | +        | +        | <u>+</u>    |   | 1              | +           | · ·  | +         |
| 6225 ACORN ST 39             | 5632016                               |          | <u> </u> |                              |          |                         |                      |                 |          |          |             |   | 1              | 1           | <u> </u>   | +         |
| 6225 ACORN ST 40             | 5741931                               | +        | 1        | <u> </u>                     |          |                         | ~~~~                 |                 |          | +        |             |   | +              |             | <u> </u>   | +         |
| 6225 ACORN ST 41             | 5632039                               | <u> </u> |          | +                            |          |                         |                      |                 | 1        |          |             |   |                | 1           | <u> </u>   | +         |
| 6225 ACORN ST 42             | 5632062                               |          |          | <u> </u>                     |          |                         |                      |                 |          | +        | <u> </u>    | ·····   |                | 1           | 1  | +         |
| 6225 ACORN ST 53             | 5632015                               |          |          |                              |          |                         |                      |                 |          |          |             |   |                |             | +  | +         |
| 6225 ACORN ST 54             | 5631985                               |          |          | +                            |          | ļ                       |                      |                 | <u> </u> | +        |             |   |                | +           | +  | +         |
| 6225 ACORN ST 55             | 5631984                               |          |          |                              |          |                         |                      |                 |          | +        | +           |   |                | +           | +  | +         |
| 6225 ACORN ST 56             | 5632038                               | <u> </u> |          |                              |          |                         |                      |                 | <u> </u> | +        | +           | · · · · ·   | +              |             | +  | +         |
| 6225 ACORN ST 57             | 5632041                               |          |          |                              | ļ        |                         |                      | _               |          |          |             | · · · · · · · · · · · · · · · · · · ·                 | +              |             |  | +         |
| 6225 ACORN ST 58             | 5632014                               |          |          |                              | L        | L                       |                      |                 | ļ        |          | <u> </u>    |   |                | +           | ┢  | +         |
| 6225 ACORN ST 59             | 5631983                               |          |          | 1                            | 1        |                         | <b>.</b>             |                 | ļ        | l        | <u> </u>    |   |                | +           | +  | +-        |
| 6255 ACORN ST HM             | 5632017                               |          |          |                              |          |                         |                      |                 |          | ļ        |             |   |                |             |  | +-        |
| 6225 ACORN ST 43             | 5632007                               | 1-3"     | 3        | U1P350                       | 110      | RD4-71                  | 169-256              | Y               | 200      | MR       | PC          | Wire out to South Wall East of ex. Mtr                |                |             | 95   | +-        |
| 6225 ACORN ST 44             | 5905762                               |          |          |                              |          |                         |                      |                 |          |          |             |   |                | +           | +  |           |
| 6225 ACORN ST 45             | 5632030                               | 1        | I        |                              |          |                         |                      |                 |          |          | L           |   |                | 1           | +. <u> </u>  | +         |
| 6225 ACORN ST 46             | 5632008                               | 1        |          |                              |          |                         |                      |                 |          |          |             |   |                | 1           | L  |           |

| EXISTUG                               | PROPERTYADDRESS   | MER#    | COND: | NO WIRES | 117-42   | CABLE | OLD AFMR  | NWLXFRMER         | )ZYID:/  | MAG      | iswa 🥢    | PC          | POTOCATION                             | RET WALL              | DIRTIEAND | ASCHI        | ACESIFIC   |
|---------------------------------------|-------------------|---------|-------|----------|----------|-------|-----------|-------------------|----------|----------|-----------|-------------|--|-----------------------|-----------|--------------|------------|
| le                                    | 6225 ACORN ST 47  | 5632009 |       |          |          |       |           |                   |          |          |           |             |  | an galan kata mang sa |           |              | 1          |
|                                       | 6225 ACORN ST 48  | 5632032 | 1     |          |          |       |           |                   |          |          |           |             | · · · · · · · · · · · · · · · · · · ·  | +                     |           | <u> </u>     | 1          |
|                                       | 6225 ACORN ST 49  | 5632006 |       |          | 1        |       |           |                   |          |          |           |             |  | +                     | :         | 1            | 1          |
|                                       | 6225 ACORN \$T 50 | 5632033 |       | í        | 1        |       |           |                   |          |          |           |             |  | 1                     |           | <del> </del> |            |
| e                                     | 6225 ACORN ST 51  | 5632031 |       | 1        |          |       |           |                   |          |          |           |             |  | 1                     |           |              |            |
|                                       | 6225 ACORN ST 52  | 5632063 | 1     |          | 1        |       |           |                   |          | 1        |           |             |  | 1                     |           | 1            |            |
| l le                                  | 6225 ACORN ST HM  | 5632064 | 1     | 1        |          |       |           |                   |          | 1        |           |             |  |                       | · ·       | · · · · ·    |            |
| le                                    | 6263 ACORN ST 10  | 5625512 | 1-3"  | 3        | U1P1/0   | 107   | RD4-110   | 169-256           | Y        | 200      | MR        | CC          | Wire out to West wall at ex. Mtr       |                       |           | 91           | 1          |
| 6                                     | 6263 ACORN ST 11  | 5625487 |       | í        |          |       |           |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 12  | 5625510 |       | Í        |          |       |           |                   |          |          |           |             |  | 1                     |           | 1            |            |
| E                                     | 6263 ACORN ST 14  | 5625513 |       |          |          |       |           |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 15  | 5629107 |       |          |          |       |           |                   |          |          |           |             |  |                       |           |              |            |
| i i i i i i i i i i i i i i i i i i i | 6263 ACORN ST 16  | 5625536 |       |          |          |       |           |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 17  | 5625486 |       | í        |          |       |           | ··                |          |          |           |             |  |                       |           |              |            |
| le                                    | 6263 ACORN ST 18  | 5625488 |       |          | 1        |       | 1         |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 19  | 5625489 |       |          | 1        |       |           |                   |          |          |           |             | · · · · · · · · · · · · · · · · · · ·  | ·                     |           | <u> </u>     |            |
|                                       | 6263 ACORN ST 9   | 5625511 | 1     |          | F        |       | 1         |                   |          | 1        | · · · · · |             | 1                                      |                       |           | i –          | 1          |
|                                       | 6263 ACORN ST HM  | 5629106 | 1     | 1        |          |       | †         |                   |          |          |           | 1           |  |                       | :         |              |            |
|                                       | 6263 ACORN ST HM  | 5631991 | 1-3"  | 3        | U1P1/0   | 39    | RD4-110   | 169-256           | Y        | 400      | MR        | PC          | Wire out to west wall North of ex. Mir |                       | 5         | 18           | 5          |
|                                       | 6263 ACORN ST 20  | 5625258 | 1     | + -      | 1        |       | 1         |                   | <u> </u> | <u> </u> | 1701 1    |             |  | +                     |           | 1            | - <u> </u> |
|                                       | 6263 ACORN ST 21  | 5625261 | 1     |          |          |       |           |                   |          |          |           |             |  |                       |           | 1            |            |
| i ie                                  | 6263 ACORN ST 22  | 5632011 | 1     |          |          |       |           |                   |          |          |           |             |  | +                     |           |              |            |
| l le                                  | 6263 ACORN ST 23  | 6588385 | 1     |          | 1        |       |           |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN \$T 24 | 5631986 | 1     |          | 1        |       |           |                   |          |          |           |             |  |                       |           |              | 1          |
| f                                     | 6263 ACORN ST 25  | 5631989 |       |          |          |       |           | • • • • • • • • • |          |          |           | 1           |  |                       |           |              |            |
|                                       | 6263 ACORN ST 26  | 5631988 |       |          | 1        |       | İ         |                   |          |          |           | i           | 1                                      |                       |           |              |            |
| e                                     | 6263 ACORN ST 27  | 5631992 |       |          | 1        |       |           |                   |          |          |           | <u> </u>    |  |                       | 1         |              |            |
|                                       | 6263 ACORN ST 28  | 5625535 |       |          | í        |       | ( · · · · |                   |          |          |           | 1           |  |                       |           |              |            |
|                                       | 6263 ACORN ST 29  | 5631990 |       |          | (        |       |           |                   |          |          |           | · · · · · · |  |                       |           |              |            |
|                                       | 6263 ACORN ST 30  | 5631993 | 1     |          | 1        |       |           |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 31  | 5625534 | 1     |          | 1        |       |           | ······            | -        |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 32  | 5632013 |       |          | i –      |       | 1         |                   |          |          |           |             |  |                       |           |              |            |
|                                       | 6263 ACORN ST 33  | 5632010 |       |          | <u> </u> |       |           |                   |          |          |           |             |  |                       | 1         |              |            |
|                                       | 6263 ACORN ST 34  | 5625259 | 1     |          |          |       |           |                   |          |          |           | 1           |  |                       |           | 1            |            |
| e                                     | 6263 ACORN ST 35  | 5625260 | 1     |          |          |       |           |                   |          | · · · ·  |           |             |  |                       |           |              |            |
| ÷                                     | 6263 ACORN ST 1   | 5629181 | 1-3"  | 3        | U1P1/0   | 52    | RD4-102   | 169-259           | Y        | 200      | MR        | CC          | Wire out to South wall At ex. Mtr      |                       |           | 36           | <u> </u>   |
|                                       | 6263 ACORN ST 2   | 5629130 |       |          | 1        |       |           | 100 200           |          |          |           |             |  |                       |           | Ç0           |            |
|                                       | 6263 ACORN ST 3   | 5629179 | 1     | <u> </u> | 1        |       | 1         |                   |          | 1        |           |             |  | +                     |           | 1            |            |
|                                       | 6263 ACORN ST 4   | 5629180 | 1     | 1        |          |       | 1         |                   |          |          | · · · — — | <u> </u>    |  | +                     |           |              | +          |
|                                       | 6263 ACORN ST 5   | 5629109 | 1     | 1        |          |       |           |                   |          |          |           |             |  | +                     |           | · ·          | 1          |
|                                       | 6263 ACORN ST 6   | 5629132 | 1     | 1        |          |       | 1         |                   |          | 1        |           | 1           | · - ·                                  | +                     | :         | 1            | 1          |
|                                       | 6263 ACORN ST 7   | 5629133 | 1     | <u> </u> | 1        |       | 1         |                   |          |          |           |             |  |                       |           | 1            |            |
|                                       | 6263 ACORN ST 8   | 5629131 | 1     | 1        |          |       |           |                   |          | <u> </u> |           |             |  |                       | :         | 1            | 1          |
|                                       | 6263 ACORN ST HM  | 5629178 | 1     | 1        | 1        | í     | 1         |                   |          |          |           | <u> </u>    |  | 1                     | · ·       | 1            |            |
|                                       |                   | 5631991 | 1     | 1        | 1        |       | RD4-110   |                   |          | İ        | MR        | )           |  | 1                     |           | 1            | 1          |
|                                       | WELLOOPPINE TOM   | 5629106 | 1     | 1        | 1        | 1     | 1         |                   |          | 1        |           |             | · · · · · · · · · · · · · · · · · · ·  | 1                     |           | 1            | +          |
|                                       | 6278 ACORN ST     | 5522854 | 1-3"  | 3        | U1P-#2   | 21    | 169-133   | 169-257           | Y        | 200      | MR        | PC          | Wire out to East wall N/E Corner       | +                     | 8         | 1            | 83         |
|                                       | 6278 ACORN ST HM  | 5522881 | +     |          | 00-#2    | ~ 1   | 100-100   | 100-207           |          | 200      | ours      | -0          | THE OUL O LOST WAR IN L CORION         | +                     | 0         | 1            | 63         |
|                                       | 6280 ACORN ST     | 5522929 |       |          |          |       |           |                   |          | +        |           |             |  | +                     | +         |              |            |
|                                       | 6282 ACORN ST     | 5522678 | 1     | 1        |          |       |           |                   |          |          |           | ·           |  | +                     |           | <u> </u>     | <u> </u>   |
|                                       | 6284 ACORN ST     | 5522879 | †     | 1        |          |       | t i       |                   |          | <u> </u> |           |             | ·····                                  | +                     |           | ł            | + • • - •  |
|                                       | 6286 ACORN ST     | 5522880 | +     | 1        |          |       |           |                   |          | -        |           |             |  | +                     |           | <u> </u>     |            |
|                                       | 6288 ACORN ST     | 5522856 | 1     |          | · · ·    |       |           |                   |          | 1        |           |             | · · · · · · · · · · · · · · · · · · ·  | +                     | 1 .       |              |            |
|                                       | 6290 ACORN ST     | 5522926 | +     |          |          |       |           |                   |          | +        |           |             | · · · · · · · · · · · · · · · · · · ·  | 1                     | · ·       |              | +          |
|                                       | 6292 ACORN ST     | 5522927 | +     |          |          |       |           |                   |          |          |           |             |  | -                     |           |              |            |
|                                       |                   | JJCCULI | 1     | 1        | 1        |       | 1         |                   |          | 1        | 1         | 1           | 1                                      | 1                     | 1         | 1            |            |

Block 7G2 UUP Attachment E – Technical Specifications

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|          | Contraction of the second second second second second second second second second second second second second s |           | CONDE       | NIT WHERE |          | CARGE                                 | Succession in the         |                         | 02.04    | STATE MOD | SAL      | Sector in      | Poloc cost and the second state of the second |          | DISCHARGE |                          | 24.06.6  |
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|          | 6307 ACORN ST   | 6176755   |             |           |          |                                       |                           |                         | [        |           |          |                | Installed on w.o. #2969290  | +        |           |                          |          |
|          | 6335 ACORN ST   | 5628845   |             |           |          |                                       |                           |                         | <u> </u> | 100       |          |                |   |          | 17        | 5                        | 9        |
|          | 6424 ACORN ST   | 5541191   | 1-3"        | 3         | U1P-#2   | 88                                    | RD2-82                    | 169-265                 | <u> </u> | 100       | SR       | PC             | Wire out to East wall beyond ex. Mtr Panel  |          | 15        | 28                       | 16       |
|          | 6430 ACORN ST   | 5541193   | 1-3"        | 3         | U1P-#2   | 59                                    | RD2-82                    | 169-265                 | -        | 100       | SR       | PC<br>PC       | Wire out to west wall beyond window.  |          | 32        | 20                       | 5        |
|          | 6437 ACORN ST   | 5105888   | 1-3"        | 3         | U1P-#2   | 47                                    | RD2-82                    | 169-265                 | <u> </u> | 100       | SR       | MA             | Wire out to East wall beyond ex. Mtr panel<br>LHA.Wire out to West wall N/W Corner  |          | 23        | 4                        | 0        |
|          | 6447 ACORN ST   | 5541192   | 1-3"        | 3         | U1P-#2   | 42                                    | RD2-82                    | 169-265                 |          | 100       | SR       |                |   | Y ·      | 43        | 0                        | 0        |
|          | 6457 ACORN ST   | 5541217   | 1-3"        | 3         | U1P-#2   | 61                                    | RD2-82                    | 169-265                 |          | 100       | SR       | MA             | RHA. Wire out to East Wall @ N/E corner   |          | 28        | 8                        | 0        |
|          | 6501 ACORN ST   | 5541214   | 13          | 3         | U1P-#2   | 52                                    | RD2-82                    | 169-265                 |          | 100       | ŝR       | MA<br>PC       | RHA. Wire out to West wall @ NW Corner.   | Y        | 17        | 0                        | 4        |
|          | 6515 ACORN ST   | 5541216   | 1-3"        | 3         | U1P-#2   | 32                                    | RD2-58                    | 169-265                 | <u> </u> | 100       | SR<br>SR | MA             | RHA Wire out to West wall N/W Comer   | +        | 37        | 25                       | 0        |
|          | 6519 ACORN ST   | 5541215   | <u>1-3"</u> | 3         | U1P1/0   | 143                                   | RD2-58                    | 169-265                 | <u> </u> | 100       |          |                | Wire out to West wall beyond ex mtr   | Y        | 31        | 6                        | 6        |
|          | 6535 ACORN ST   | 5541258   | 1-3"        | 3         | U1P-#2   | 53                                    | RD2-58                    | 169-266                 |          | 100       | SR<br>SR | PC<br>PC       | Wire out beyond ex Mtr  | +        | 21        | 16                       | 3        |
|          | 6541 ACORN ST   | 5541259   | 1-3"        | 3         | U1P-#2_  | 142                                   | RD2-14                    | 169-266                 | [        | 100       |          |                |   |          | 25        | 0,0                      | - 4      |
|          | 6547 ACORN ST   | 6227962   | 1-3"        | 3         | U1P-#2   | 154                                   | RD2-14                    | 169-266                 | <u> </u> | 100       | SR       | PC             | Wire out to West wall beyond ex mtr   | Y        | 20        | 5                        | 3        |
|          | 6555 ACORN ST   | 5541260   | 1-3"        | 3         | U1P-#2   | 75                                    | RD2-14                    | 169-266                 | <u> </u> | 100       | SR       | PC             | Wire out to East wall Beyond ex mtr   | I        | 20        |                          | <u> </u> |
|          | 4463 COLLEGE AVE  | 6562834   |             |           | <u> </u> |                                       | 169-88                    |                         |          |           |          |                | Outside of Boundary   | -        |           | ·                        | <u> </u> |
|          | 4464 COLLEGE AVE  | 5656323   |             |           |          |                                       | 169-88                    |                         |          |           |          |                | Outside of Boundary   | Y        |           |                          |          |
| Ý        | 4511 COLLEGE AVE  | 5629821   | 1-3"        | 3         | U1P-#2   | 52                                    | 169-88                    | ex.169-88               | Y        | 100       | MR       | _CC            | South wall/ SW comer at ex. Loc.  | ۲        | 22        | <b></b>                  | +        |
|          | 4513 COLLEGE AVE  | 5629818   |             |           |          |                                       |                           |                         | <b></b>  |           |          |                | ····  |          |           |                          | <u>├</u> |
|          | 4515 COLLEGE AVE  | 5629784   |             | L         |          |                                       |                           |                         |          |           | L        |                |   |          |           | <u> </u>                 |          |
|          | 4512 COLLEGE AVE  | 5656324   |             | l         | 1        |                                       | 169-88                    |                         |          | ļ         |          |                | Outside of Boundary   | +        |           | ·                        | <u> </u> |
|          | 4514 COLLEGE AVE  | 6507011   |             |           |          |                                       | 169-88                    |                         |          | ļ         |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4522 COLLEGE AVE  | 6007559   | -           |           |          |                                       | 169-88                    |                         | 1        |           |          |                | Outside of Boundary   |          | <u> </u>  |                          |          |
| •        | 4526 COLLEGE AVE  | 5658520   | 1           |           |          |                                       | 169-89                    |                         | I .      |           |          |                | Outside of Boundary   | <u>-</u> |           |                          | <u> </u> |
|          | 4528 COLLEGE AVE  | 5658518   |             |           |          |                                       | 169-89                    |                         |          |           |          | ·              | Outside of Boundary   |          |           |                          | Ļ        |
|          | 4529 COLLEGE AVE  | 06578875  |             |           |          |                                       | 169-90                    |                         |          |           | 1        |                | Outside of Boundary   |          | · ·       |                          | Ļ        |
|          | 4534 COLLEGE AVE  | 5658519   |             |           |          |                                       | 169-89                    |                         |          |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4536 COLLEGE AVE  | 5658543   |             |           |          |                                       | 169-89                    |                         | T        |           |          |                | Outside of Boundary   |          |           |                          | <u> </u> |
|          | 4538 COLLEGE AVE  | 05658542  |             |           |          |                                       | 169-90                    |                         |          |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4540 COLLEGE AVE  | 05658545  |             |           |          |                                       | 169-90                    |                         |          |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4546 COLLEGE AVE  | 06487591  |             |           |          |                                       | 169-90                    |                         |          |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4550 COLLEGE AVE  | 05659455  |             | 1         |          |                                       | 169-90                    |                         | · ·      |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4552 COLLEGE AVE  | 05658544  | 1           |           |          |                                       | 169-90                    |                         | T        |           |          |                | Outside of Boundary   |          |           |                          |          |
|          | 4555 COLLEGE AVE  | 6540670   | 1           |           |          |                                       | 169-92                    |                         |          |           |          |                | Outside of Boundary   |          | <u> </u>  |                          |          |
|          | 4560 COLLEGE AVE  | 5978231   |             |           |          |                                       | 169-92                    |                         |          |           | . · ·    |                | Outside of Boundary   |          | ļ         |                          | <u> </u> |
|          | 4569 COLLEGE AVE  | 6697450   |             |           |          |                                       | 169-141                   |                         |          |           |          | 1              | Outside of Boundary   |          | }         |                          |          |
| Y        | 4575 COLLEGE AVE A  | 5978332   |             |           |          |                                       | 169-92                    |                         |          |           |          |                | <u></u>   |          | -··-      |                          | <u> </u> |
| Y        | 4575 COLLEGE AVE B  | 5978330   | 1           |           |          |                                       | 169-92                    |                         |          |           |          |                |   |          |           |                          |          |
| Y        | 4585 COLLEGE AVE A  | 6517727   |             |           | 1        |                                       | 343-96                    |                         |          |           |          |                |   |          |           |                          |          |
| Ŷ        | 4585 COLLEGE AVE B  | 6517729   |             |           | i        |                                       | 343-96                    |                         |          |           |          |                |   |          |           |                          |          |
|          | 4585 COLLEGE AVE C1   | 6517728   | <u> </u>    | 1         | 1        |                                       | 343-96                    |                         |          |           |          |                |   |          | L         |                          | <u> </u> |
| Ý        | 4585 COLLEGE AVE C2   | 6517730   | 1           |           | 1        |                                       | 343-96                    |                         |          |           |          |                |   |          |           |                          |          |
| Ŷ        | 4585 COLLEGE AVE D  | 5672722   |             | 1         |          |                                       | 343-96                    |                         |          | 1         |          |                |   |          | ļ         |                          | · ·      |
| Ý        | 4585 COLLEGE AVE HM   | 6517703   | 1           | 1 .       |          |                                       | 343-96                    |                         | 1        | 1         |          |                |   |          |           | L                        | <b></b>  |
| •        | 4424 ARENDO DR  | 6104320   |             | 1         |          |                                       | RD4-160                   |                         | 1        |           |          |                | Outside of Boundary   |          | · ·       |                          |          |
|          | 4434 ARENDO DR  | 5630867   | 1           |           |          |                                       | RD4-160                   |                         | T        |           |          |                | Outside of Boundary   |          | <u> </u>  | L                        | Ļ        |
|          | 4435 ARENDO DR  | 5522024   | 1           |           |          |                                       | RD4-160                   |                         |          |           |          |                | Outside of Boundary   |          | 1         |                          |          |
|          | 4447 ARENDO DR  | 5630868   | 1-3"        | 3         | U1P-#2   | 35                                    | RD2-59                    | EX. STA<br>W.O.#2969290 | <u> </u> | 200       | \$R      | CC             | Wire out to North wall N/W Comer  | Y        | 12        | 5                        |          |
| · · .    | 4454 ARENDO DR  | 5628648   | 1-3"        | 3         | U1P3/0   | 141                                   | RD2-59                    | EX. STA<br>W.O.#2969290 |          | 100       | SR       | MA             | LHA. Wire out to Northeast wall N/E corner  |          | 25        |                          |          |
| <u></u>  | 4464 ARENDO DR  | 5628647   | 1-3"        | 3         | U1P-#2   | 94                                    | RD2-59                    | EX. STA<br>W.0,#2969290 |          | 100       | SR       | PC             | Wire out to North wall Beyond ex mtr  | Y        | 35        |                          | 7        |
|          | 4465 ARENDO DR  | 5522023   | 1-3"        | 3         | U1P-#2   | 50                                    | RD2-59                    | EX. STA<br>W.O.#2969290 | Ĺ        | 200       | SR       | cc             | Wire out to North Wall N/Ecomer   |          | 14        | 5                        |          |
|          | 4501 63RD ST  | 5628873   | 1-3"        | 3         | U1P-#2   | 128                                   | RD4-102                   | 169-259                 | 1        | 100       | MR       | PC             | Westnorth wall below ext. mtr.  | Y        | 22        | L                        | 13       |
|          | 4503 63RD ST  | 5625180   | 1           | † —       |          | · · · · · · · · · · · · · · · · · · · | 1                         |                         | 1        | 1         | 1        | 1              |   |          |           |                          |          |
| <b>-</b> | 4515 63RD ST  | 5628866   | 1-3"        | 3         | U1P-#2   | 85                                    | RD4-102                   | 169-259                 | 1        | 100       | MR       | PC             | Westnorth wall east and above ext mtr.  |          | 31        |                          | 22       |
| <u> </u> |   | 5628867   | -+          | + ~~      |          | <u> </u>                              |                           |                         | 1        | 1         |          |                |   |          | 1         |                          |          |
|          | 4517 63RD ST  | 1 002000/ |             | .–        |          |                                       | 1                         |                         |          |           | )        | <u>.</u>       |   |          |           |                          |          |

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|-----------------------------|---------|---------------------------------------|----------|--------|---------|----------------|---------------------------------------|--------------|----------|---------|------|---|---|-------------|---------------------|------------|
| 4527 63RD ST                | 5628869 | 1-3"                                  | 3        | U1P-#2 | 44      | RD4-102        | 169-259                               | -            | 200      | MR      |      | Westsouth wall below and east of ext mtr.   |   | 25          | Action of the state | 12         |
| 4529 63RD ST                | 5628868 | 1-3"                                  | 3        | U1P-#2 | 44      | 110-7 102      | 100 200                               |              | 200      | 141 3   |      | Westaded was below and east of ext fina.    | -                                       | 25          | +                   |            |
| 4541 63RD ST                | 5628842 | 1-3"                                  | 3        | U1P-#2 | 44      | RD4-102        | 169-259                               |              | 200      | MR      | PC   | Westnorth wall above and east of ext mtr.   |   | 25          | +                   | 15         |
| 4543 63RD ST                | 5467284 | 1-3                                   | 3        | 011-#2 | 44      | RD4=102        | 108-208                               | <u> </u>     | 200      | IVIA    | FC   | wesdorut wail above and east of extind.     |   | 25          |                     |            |
| 4557 63RD ST                | 6537439 | 1-3"                                  | 3        | U1P-#2 | 65      | RD4-102        | 169-259                               |              | 200      | MR      | PC   | Westwall west of ext mtrs.                  |   | 10          |                     | 13         |
| 4559 63RD ST                | 5628844 |                                       |          | U1P-#2 | 65      | RD4=102        | 108-208                               |              | 200      | NUT.    |      | Westwaii west of ext mus.                   |   | 10          | <u>+</u>            | 13         |
|                             | 5628886 | 1-3"                                  | 3        |        |         | <b>DD((00)</b> | 400.050                               |              | 000      | 100     | -    |   |   | 40          | ┿───                |            |
| 4571 63RD ST                |         | 1-3"                                  | 3        | U1P-#2 | 38      | RD4-102        | 169-259                               |              | 200      | MR      | PC   | Wire out to West wall N/W comer             |   | 19          |                     | 13         |
| 4573 63RD ST                | 5628887 | 1-3"                                  | 3        | U1P-#2 | 38      |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 53RD ST 1              | 5625540 | 2-4"                                  | 3        | U1P3/0 | 33      | RD4-177        | 169-258                               | Y            | 600      | MR      | PC   | Wire out to North end of ex. Meterr cabniet |   | 17          | <u> </u>            | 7          |
| 4601 63RD ST 10             | 5541207 | 1                                     |          |        |         | ļ              |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 11             | 5625492 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 12             | 6337856 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 14             | 5249200 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD \$T 15            | 5501783 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 16             | 5614950 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 17             | 5385703 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD \$T 18            | 5625490 | Į                                     |          |        |         |                |                                       | <b> </b>     | ļ        |         |      |   |   |             |                     |            |
| 4601 63RD ST 19             | 5501785 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 2              | 5625541 |                                       | 1        |        |         |                |                                       | L            |          |         |      |   |   |             |                     | 1          |
| 4601 63RD ST 20             | 5312204 |                                       |          |        |         |                |                                       |              |          |         |      |   |   |             |                     | 1          |
| 4601 63RD ST 21             | 5614953 |                                       |          |        |         | ·              |                                       |              |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 22             | 5625466 |                                       |          |        |         |                |                                       | 1            |          |         |      |   |   |             | 1                   |            |
| 4601 63RD ST 23             | 5625467 |                                       |          |        |         | 1              |                                       | 1            |          |         |      |   |   |             |                     |            |
| 4601 63RD ST 24             | 5625458 |                                       |          |        |         | 1              |                                       | 1            | 1        |         |      |   |   |             | 1                   | 1          |
| 4601 63RD ST 25             | 5625459 |                                       |          |        |         | 1              |                                       |              | 1        |         |      |   | 1                                       |             | 1                   |            |
| 4601 63RD ST 26             | 5614952 |                                       |          |        |         | 1              |                                       |              |          |         |      |   |   |             | 1                   | 1          |
| 4601 63RD ST 27             | 5625469 |                                       | T        |        |         |                |                                       |              |          |         |      |   | 1                                       |             | 1                   | 1          |
| 4601 63RD \$T 28            | 5625468 |                                       | ĺ        |        |         |                |                                       |              |          |         |      |   |   |             | 1                   | 1          |
| 4601 63RD ST 29             | 5625461 |                                       |          |        |         |                |                                       | 1            |          |         | 1    |   |   |             | 1                   | 1          |
| 4601 63RD ST 3              | 5625516 |                                       |          |        |         |                |                                       | í            |          |         |      |   |   |             | 1                   | 1          |
| 4601 63RD ST 30             | 5625460 |                                       |          |        |         | 1              |                                       | †            |          |         |      | · · · · · · · ·                             |   |             | 1                   |            |
| 4601 63RD \$T 4             | 5625517 | · · · · ·                             |          | 1      |         | 1 1            |                                       | <u> </u>     | (        |         | 1    |   |   |             | 1                   | 1          |
| 4601 63RD ST 5              | 5541206 |                                       | i        |        |         |                |                                       | 1            |          |         | †    |   | 1                                       |             | 1                   | Í          |
| 4601 63RD ST 6              | 5625539 | 1                                     |          |        |         | 1 1            |                                       | 1            |          |         |      | · · · · · · · · · · · · · · · · · · ·       |   |             | 1                   |            |
| 4601 63RD ST 7              | 5625538 |                                       |          |        |         | 1              |                                       | 1            |          |         |      |   |   |             | 1.                  |            |
| 4601 63RD ST 8              | 5407491 |                                       |          |        |         | 1              |                                       | (            |          |         |      |   |   |             | 1                   | 1          |
| 4601 63RD ST 9              | 5625514 |                                       |          |        |         | 1 1            |                                       |              | 1        |         |      |   | i i                                     |             | 1                   | 1          |
| 4601 63RD ST HM             | 5614951 |                                       | -        |        |         | 1              |                                       | <u> </u>     |          |         |      |   |   |             | +                   | 1          |
| 4610 1/2 63RD ST            | 5614949 | 1-3"                                  | 3        | U1P-#2 | 30      | 169-133        | 169-257                               | <u> </u>     | 200      | MR      | PC   | Wire out to East wall S/E comer             | _                                       | 17          | +                   | 81         |
| 4610 63RD ST                | 5522874 |                                       | <u>+</u> |        |         |                |                                       | <u>├</u> ··· | 200      | 1910 \$ | +'ٽ  |   |   |             | +                   |            |
| 4610 63RD ST HM             | 5541208 | +                                     |          |        |         | + +            |                                       | -            | -        |         | l    | 1   |   |             | +                   | +          |
| 4612 1/2 63RD ST            | 5522877 | 1                                     |          |        |         |                |                                       | -            | }        |         |      |   |   |             | +                   | +          |
| 4612 63RD ST                | 5614946 | ł                                     |          |        |         | ├              |                                       |              |          |         | l    | 1   | +                                       |             | +                   | +          |
| 4614 1/2 63RD ST            | 5522876 | +                                     |          |        |         | + +            |                                       |              | 1        |         |      |   |   |             | +                   | +          |
| 4614 63RD ST                | 5522875 |                                       | t        | + +    |         | + +            |                                       |              |          |         |      |   |   |             | +                   | +          |
|                             | 5614948 | <u> </u>                              |          |        |         |                |                                       |              |          |         |      |   |   |             | <b></b>             | +          |
| 4616 1/2 63RD ST            |         |                                       |          | +      |         | <u> </u>       |                                       |              |          |         |      | <b>1</b>                                    |   |             | +                   | +          |
| 4616 63RD ST                | 5614947 | 4.0                                   | <u> </u> |        | 05      | 400 400        | 400 DE7                               |              | 000      | MD      |      |   | + · · · · · · · · · · · · · · · · · · · |             | <u> </u>            | +          |
| 4618 1/2 63RD ST B          | 5541256 | 1-3"                                  | 3        | U1P-#2 | 25      | 169-133        | 169-257                               | ΙΥ           | 200      | MR      | PC   | Wire out to East wall S/E comer             | _                                       | 6           | <del> </del>        | 86         |
| 4618 1/2 63RD ST B          | 5522905 |                                       |          |        |         |                |                                       |              |          | ļ       |      |   |   |             | +                   | - <b> </b> |
| 4618 63RD ST                | 5522928 |                                       |          |        |         |                |                                       |              | Į        |         | ···· |   |   | · · · · · - |                     | +          |
| 4620 1/2 63RD ST            | 5522903 | · · · · · · · · · · · · · · · · · · · | <b> </b> |        |         | <b>↓</b> ŀ     |                                       | Į            | <u> </u> | L       | L    | 1   |   |             | —                   | 4          |
| 4620 63RD ST                | 5541280 | Į                                     | ļ        |        |         |                |                                       | ļ            |          |         |      |   | _                                       |             | ↓                   | 1          |
| 4622 1/2 63RD ST            | 5522902 | ļ                                     | ļ        |        |         |                |                                       | I            |          |         | L    |   |   |             |                     | 1          |
| 4622 63RD ST                | 5522904 | <u> </u>                              | ļ        |        |         |                |                                       | L            |          | L       |      |   |   |             | <b></b>             |            |
| 4624 1/2 63RD ST            | 5541257 | ļ                                     | <u> </u> |        |         |                |                                       | <u> </u>     | Ļ        |         | ļ    |   |   |             | <u> </u>            | 1          |
| 4624 63RD ST                | 5541254 | 1                                     | I        | I      |         |                |                                       |              | <u> </u> |         |      | ·   |   | ;           | <u> </u>            | 1          |

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| EXIST LIG PUBLICS PROPERTY  | DDRESS  | CON                        | NOW  | ESTUDE 125 | CABLE    | OLD XEMR                   | CALL NW XERMER                        | 32(D)    | MAI      | SWEEK    |               | CLOCATION OF AN ART SALAR STREET, SALAR SALAR SALAR SALAR | RETWALL | DIRTIEAND     | CONC 4                                       | XCESIET                               |
|---|---|----------------------------|------|------------|----------|----------------------------|---------------------------------------|----------|----------|----------|---------------|---|---------|---------------|--|---------------------------------------|
|   |   |                            |      | U1P-#2     |          | 169-133                    | 169-257                               | Y        | 200      | MR       | PC            | Wire out to East wall S/E Corner  |         | 6             |  | 84                                    |
| 4626 1/2 63RD S<br>4626 63RD ST   | 510601  |                            |      | 010-#2     | 30       | 108-100                    | 100-207                               | 1        | 200      | MAN      | 1.0           |   |         |               |  |                                       |
|   |   |                            |      |            |          | -                          |                                       |          | i        |          |               |   |         |               |  |                                       |
| 4626 63RD ST HM   |   |                            | ··•  |            |          |                            |                                       |          |          |          |               |   |         |               |  |                                       |
| 4628 1/2 63RD ST  | 554127  |                            |      | _          |          | <u> </u>                   |                                       |          |          |          |               |   |         |               |  |                                       |
| 4628 63RD ST  | 552045  |                            |      | _          | · · · ·  |                            |                                       |          |          |          |               |   |         | +             | <u> </u>                                     | · · · · · · · · · · · · · · · · · · · |
| 4630 1/2 63RD ST  | 554128  |                            |      |            |          |                            |                                       |          |          |          |               | ·····   |         |               | +  |                                       |
| 4630 63RD ST  | 554127  |                            |      |            | <u> </u> |                            |                                       |          |          |          |               | · · · · · · · · · · · · · · · · · · ·   |         |               |  |                                       |
| 4632 1/2 63RD ST  | 552045  |                            |      |            | <u> </u> | · .                        |                                       | -        |          |          |               | · · · · · · · · · · · · · · · · · · ·   |         |               | $ \longrightarrow $                          |                                       |
| 4632 63RD ST  | 552045  |                            |      | _          | ļ        |                            |                                       | <u> </u> |          |          |               |   |         |               | ł  |                                       |
| 4645 63RD ST H  |   |                            |      |            | L        | 430-290                    |                                       | <u> </u> |          |          |               |   |         | 10            | ł  | 14                                    |
| 4666 63RD ST  | 562555  |                            | " 3  | U1P-#2     | 26       | 169-173                    | 430-306                               | Y        | 400      | MR       | PC            | Wire out to East wall S/E corner  |         | 10            |  | 14                                    |
| 4666 63RD ST 1  | 562556  |                            |      |            |          |                            |                                       | <u> </u> | ļ        |          | ļ             | · · · · · · · · · · · · · · · · · · ·   |         | !             |  |                                       |
| 4666 63RD ST 2  | 562561  |                            |      |            |          |                            |                                       |          |          |          | }             |   |         | ļ             |  |                                       |
| 4666 63RD ST 3  | 562556  | 3                          |      |            |          |                            |                                       |          | <u> </u> |          | <u> </u>      | ·····   |         | لصححص         | <u> </u>                                     |                                       |
| 4666 63RD ST 4  | 562561  | 1                          |      |            |          |                            |                                       |          |          |          |               |   |         |               |  |                                       |
| 4666 63RD ST 12   | 562555  | 59                         |      |            |          |                            |                                       |          |          |          |               |   |         | <u> </u>      |  |                                       |
| 4666 63RD ST 13   | 562556  | 5                          |      |            |          |                            |                                       |          |          |          |               |   |         | <u> </u>      | <u> </u>                                     |                                       |
| 4666 63RD ST 14   | 562556  |                            |      |            |          |                            |                                       |          |          |          |               |   |         | <u></u> '     | لـــــا                                      | <u> </u>                              |
| 4666 63RD ST 15   | 562556  |                            |      |            |          | 1                          |                                       |          |          |          |               |   |         | <u> </u>      |  |                                       |
| 4666 63RD ST 16   | 562561  |                            |      | 1          | 1        |                            |                                       |          |          |          |               |   |         | L'            | h  |                                       |
| 4666 63RD ST 17   | 562556  |                            |      |            | 1        |                            |                                       |          |          |          |               |   |         |               |  |                                       |
| 4666 63RD ST  | 562562  |                            | 5" 3 | U1P-#2     | 52       | 430-295                    | 430-295                               | Y        | 400      | MR       | PC            | Wire out to N WALL N/E CORNER   |         | ,             | 14   | 7                                     |
| 4666 63RD ST  | 562560  |                            |      |            |          |                            |                                       |          |          |          |               |   |         |               |  |                                       |
| 4666 63RD ST  | 562558  |                            |      |            | h        |                            |                                       |          | 1        |          |               |   |         |               |  |                                       |
| 4666 63RD ST  | 56253   |                            |      |            |          |                            | · · · · · · · · · · · · · · · · · · · | 1        |          |          |               |   |         |               |  |                                       |
|   | 562562  |                            |      |            |          |                            |                                       | 1        |          |          | 1             |   |         |               |  |                                       |
| 4666 63RD ST<br>4666 63RD ST  | 562558  |                            | _    |            |          | · · ·                      |                                       |          |          |          | 1             |   |         | 1             |  |                                       |
| 4666 63RD ST  | 562560  |                            |      |            | -        |                            |                                       | +        | 1        |          | <u> </u>      |   |         |               |  | 1                                     |
| 4666 63RD ST  | 56256   |                            |      |            |          |                            |                                       | <u> </u> |          |          |               |   |         | []            | !  | [                                     |
|   | 56255   |                            |      |            |          | <u> -</u>                  |                                       | +        | 1        |          |               |   |         |               |  |                                       |
| 4666 63RD ST  | 562562  |                            |      |            | +        | 1                          | ·                                     | +        |          |          |               |   |         |               | · · · ·                                      |                                       |
| 4666 63RD ST  | 56255   |                            |      |            |          | 1                          |                                       | +        |          |          |               |   |         | · · · · · ·   | 1 <del>1</del>                               |                                       |
| 4666 63RD ST  | 56256   |                            |      |            |          |                            | 1                                     | +        |          |          |               | 1   |         |               |  |                                       |
| 4666 63RD ST  |   |                            |      |            |          |                            | ]                                     |          |          |          |               |   |         |               |  |                                       |
| 4668 63RD ST  | 562560  |                            |      |            | <u>{</u> |                            |                                       |          |          |          |               |   |         |               | ·  |                                       |
| 4666 63RD ST  | 562560  |                            |      |            | <u> </u> | 100.170                    | 100.000                               |          | 405      | 100      | - 50          | Mine and the South Minil Fort of our Min  | 1       | 5             | 81   | 4                                     |
| 4666 63RD ST 1  |   |                            | 3 3  | U1P-#2     | 101      | 169-173                    | 430-306                               | <u>Y</u> | 400      | MR       | - FU          | Wire out to South Wall East of ex. Mtr  | 1       | <u> </u>      |  |                                       |
| 4666 63RD ST 11   | 562558  |                            |      |            | 1        |                            |                                       |          | ļ        |          |               |   |         | <b>└───</b> ′ |  |                                       |
| 4666 63RD ST 25   | 562558  |                            |      |            |          | _                          |                                       | 1        |          |          | L             |   |         | <sup> </sup>  |  |                                       |
| 4666 63RD ST 26   | 562561  |                            |      |            |          |                            |                                       | 4        | 1        |          | <u> </u>      |   |         |               |  | -                                     |
| 4666 63RD ST HM   | 562558  | 37                         |      |            |          |                            |                                       | 1        |          |          |               |   |         | <u> </u>      | <b>└──</b> ┘                                 |                                       |
| Y 4690 63RD ST  | 66847   |                            |      |            |          | 430-265                    |                                       |          |          |          | <u> </u>      |   |         | <u> </u>      | <u>↓                                    </u> |                                       |
| Y 6083 EL CAJON E   | LVD A 65143   | 30                         |      |            |          | 343-94                     |                                       | -        |          | 1        |               |   |         | <u> </u>      | ļ]   |                                       |
| Y 6083 EL CAJON E   |   |                            |      |            |          | 343-94                     |                                       |          |          | <u> </u> |               |   |         | <u> </u>      | ───′   |                                       |
| Y 6083 EL CAJON E   | LVD B1 651340   | 05                         |      |            |          | 343-94                     |                                       |          |          |          |               |   |         | <u> </u>      | /  |                                       |
| Y 6083 EL CAJON 8   |   |                            |      |            |          | 343-94                     |                                       |          | <u> </u> | L        |               | · · · · · · · · · · · · · · · · · · ·   | i       | <u> </u>      | <u> </u>                                     | 1                                     |
| Y 6083 EL CAJON E   | LVD C 651340  | 06                         |      |            |          | 343-94                     |                                       | <u> </u> | <u> </u> |          |               | · · · · · · · · · · · · · · · · · · ·   | ł       | L             | <b>↓</b> '                                   |                                       |
| Y 6083 EL CAJON E   | LVD HM 651340   | 14                         |      |            |          | 343-94                     | 1                                     |          |          |          | L             | · · · · · · · · · · · · · · · · · · ·   | ↓       | <u> </u>      | <b>↓</b> '                                   | ļ                                     |
| I JOUGS EL GAUON L  | LVD 65828   | 39                         |      |            | 1        | 343-94                     | 1                                     |          |          | <u> </u> |               | <u> </u>  | ļ       | <u> </u>      | ļ'   |                                       |
| Y 6095 EL CAJON E   |   | 57                         |      | 1          | 1        | 343-91                     |                                       |          |          |          |               |   | ļ       | <u> </u>      | ļ'   | ļ                                     |
|   |   | <u>13</u>                  |      |            |          | 1                          |                                       |          | 1        |          |               |   | 1       | 1             | l  | 1                                     |
| Y 6095 EL CAJON E<br>Y 6135 EL CAJON E  | LVD 657860  |                            |      |            |          | 343-93                     |                                       |          |          |          |               |   |         | ·             |  |                                       |
| Y 6095 EL CAJON E   Y 6135 EL CAJON E   Y 6145 EL CAJON E   | LVD 657866<br>LVD 1L 651342   | 29                         |      |            |          | 343-93                     |                                       |          |          |          |               |   |         |               |  |                                       |
| Y 6095 EL CAJON E   Y 6135 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   | LVD 65786<br>LVD 1L 65134<br>LVD 3K 65134   | 29<br>30                   |      |            |          |                            | · · · · · · · · · · · · · · · · · · · |          |          |          |               |   |         |               |  |                                       |
| Y 6095 EL CAJON E   Y 6135 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   | LVD 657860<br>LVD 1L 651342<br>LVD 3K 651343<br>LVD 3K 651343                           | 29<br>30<br>32             |      |            |          | 343-93                     |                                       |          |          |          |               |   |         |               |  |                                       |
| Y 6095 EL CAJON E   Y 6135 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E   Y 6145 EL CAJON E | LVD 65786<br>LVD 1L 65134<br>LVD 3K 65134<br>LVD 3K 65134<br>LVD D 62222<br>LVD E 65185 | 29<br>30<br>32<br>35       |      |            |          | 343-93<br>343-93<br>343-93 |                                       |          |          |          |               |   |         |               |  |                                       |
| Y 6095 EL CAJON E<br>Y 6135 EL CAJON E<br>Y 6145 EL CAJON E<br>Y 6145 EL CAJON E<br>Y 6145 EL CAJON E<br>Y 6145 EL CAJON E  | LVD 65786<br>LVD 1L 65134<br>LVD 3K 65134<br>LVD D 62222<br>LVD D 62222<br>LVD F 65185  | 29<br>30<br>32<br>35<br>52 |      |            |          | 343-93<br>343-93           |                                       |          |          |          | · · · · · · · |   |         |               |  |                                       |

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| Distantist and | TRACREATIVADDRESS       |  | COND                                  | CABLE |             | 2NG       |         |          |          | POCOCATION                            | NAME OF THE OWNER ang sa sa sa sa sa sa sa sa sa sa sa sa sa | ASPR/ST. | and the second | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                |                         | Children and Chi | TE A REAL REAL                        |       |             | SIRY      | A ARCAN | 21       |          |                                       | REPAGATE  | DARLICAND  | Cove     | ACES FIG       |
|                | 6145 EL CAJON BLVD HZ   | 6513382  |                                       |       | -93         |           |         | į        |          |                                       |   |  |          |                |
| Y              | 6145 EL CAJON BLVD HM   | 6513428  |                                       |       | -93         |           |         |          | L        |                                       |   |  |          |                |
| Y              | 6145 EL CAJON BLVD J    | 6513454  | · · · · · · · · · · · · · · · · · · · |       | -93         |           |         |          |          |                                       |   | :  |          |                |
| Y              | 6145 EL CAJON BLVD L    | 6513380  |                                       |       | -93         |           |         |          | <u> </u> |                                       |   |  |          | ļ              |
|                | 6145 EL CAJON BLVD M    | 6513453  |                                       |       | -93         |           |         |          |          |                                       |   |  |          | ('             |
|                | 6145 EL CAJON BLVD N    | 6513451  |                                       |       | -93         |           |         |          |          |                                       |   |  |          |                |
|                | 6145 EL CAJON BLVD P    | 6582890  |                                       |       | -93         |           |         |          |          |                                       |   | ;  |          |                |
|                | 6155 EL CAJON BLVD      | 6700925  |                                       |       | <b>⊢</b> 93 |           |         |          |          |                                       |   | - i -  |          |                |
| Υ_             | 6161 EL CAJON BLVD A    | 6512178  |                                       |       | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6161 EL CAJON BLVD B    | 6512201  |                                       |       | -88         |           |         |          |          |                                       |   | 1  |          |                |
| Y              | 6165 EL CAJON BLVD 1A   | 6514602  |                                       |       | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD A    | 6514599  |                                       |       | -88         |           |         |          |          |                                       |   | :  |          |                |
| Y              | 6165 EL CAJON BLVD B    | 6513118  |                                       |       | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD C    | 6513115  |                                       | 34    | -88         |           |         | 1        |          |                                       | •   |  |          |                |
| Y              | 6165 EL CAJON BLVD D    | 6513116  |                                       | 34    | ⊢88         | T         |         |          | 1        |                                       |   |  |          |                |
| Ϋ́             | 6165 EL CAJON BLVD E    | 6512177  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD F    | 6514601  |                                       | 34    | 88-         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJÓN BLVD G    | 6504649  |                                       | 34    | -88         |           |         |          |          |                                       | 1   |  |          |                |
| Ý              | 6165 EL CAJON BLVD H    | 6513091  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD HM   | 6221960  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD HM   | 6513117  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD J    | 6513092  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD K    | 6512202  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD L    | 6512199  |                                       | 34    | -88         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJÓN BLVD M    | 6512176  |                                       | 34    | -88         |           |         |          |          |                                       |   |  | į        |                |
| Y              | 6165 EL CAJON BLVD N    | 6512200  |                                       | 34    | -88         | 1         |         |          |          |                                       |   | 1  |          |                |
| Y              | 6165 EL CAJON BLVD O    | 6514600  |                                       | 34    | 3-88        |           |         |          |          |                                       |   |  |          |                |
| Y              | 6165 EL CAJON BLVD P    | 6226877  |                                       | 34    | -88         |           |         |          | 1        |                                       |   | ;  |          |                |
| Y              | 6175 EL CAJON BLVD      | 6556708  |                                       |       | 90          |           |         |          |          |                                       | í .   |  |          |                |
| Ý              | 6210 EL CAJON BLVD      | 5905879  |                                       |       | -268        |           |         |          |          |                                       |   | 1  |          |                |
| Y              | 6225 EL CAJON BLVD      | 6580116  | frement                               | 430   | -265        | 1         |         |          | 1        |                                       |   |  |          |                |
| Ý              | 6235 EL CAJON BLVD      | 6693266  |                                       |       | -266        |           |         |          |          |                                       |   |  |          |                |
| Y              | 6245 EL CAJON BLVD      | 6482151  | · · · · · · · · · · · · · · · · · · · | 430   | -265        |           |         |          |          |                                       | 1   |  |          |                |
| Ý              | 6265 EL CAJON BLVD      | 9009672  |                                       |       | -265        |           |         |          |          | · · · · · · · · · · · · · · · · · · · |   |  |          |                |
| Y              | 6301 EL CAJON BLVD      | 6572923  | ··· · · · ·                           |       | -96         |           |         |          |          |                                       |   |  |          |                |
| Y              | 6345 EL CAJON BLVD 124  | 6707115  |                                       | 430   | -296        | · · · · · |         |          |          | í                                     |   | :  |          |                |
| Y              | 6345 EL CAJON BLVD 3201 | 6705981  |                                       |       | -296        |           |         |          |          |                                       |   | :  |          |                |
| Ý              | 6345 EL CAJON BLVD 3202 | 6705982  |                                       |       | -296        |           |         |          | 1        |                                       | 1   |  |          | ·              |
| Y              | 6345 EL CAJON BLVD 3203 | 6705983  |                                       |       | -296        |           |         |          |          |                                       |   |  |          | į              |
| Ý              | 6345 EL CAJON BLVD 3204 | 6705984  |                                       |       | -296        | 1 1       |         |          |          |                                       | 1   | ,  |          |                |
| Y              | 6345 EL CAJON BLVD 3205 | 6705985  | † <del></del>                         |       | 296         | 1 1       |         |          | †        | 1                                     |   |  |          | 1              |
| Ý              | 6345 EL CAJON BLVD 3206 | 6705986  |                                       |       | -296        |           |         |          |          | 1                                     |   |  |          | (              |
| Ý              | 6345 EL CAJON BLVD 3207 | 6705987  | <u>   </u>                            |       | -296        |           |         |          | <u> </u> |                                       |   | :  |          | <u> </u>       |
| Ý              | 6345 EL CAJON BLVD 3301 | 6705980  |                                       |       | -296        |           |         | 1        | 1        |                                       |   |  |          |                |
| Ý              | 6345 EL CAJON BLVD 3302 | 6705312  |                                       |       | -296        |           |         |          |          |                                       |   |  |          | i              |
| Ý              | 6345 EL CAJON BLVD 3303 | 6705313  |                                       |       | -296        |           |         |          | +        |                                       | 1   |  |          |                |
| Ý              | 6345 EL CAJON BLVD 3304 | 6705314  | <u> </u>                              |       | -296        | -++       |         | <u> </u> | 1        |                                       | 1   |  |          | t              |
| Ý              | 6345 EL CAJON BLVD 3305 | 6705315  |                                       |       | -296        | 1 1       |         |          | 1        |                                       |   |  | i        |                |
|                | 6345 EL CAJON BLVD 3306 | 6705340  |                                       |       | -296        |           |         |          |          |                                       | 1   |  |          | <b>—</b>       |
| Ý              | 6345 EL CAJON BLVD 3307 | 6705341  | ╪┉┄┉╸┠┄╸╸╴┟╴┉                         |       | -296        | 1 1       |         | 1        |          |                                       | 1   |  |          |                |
| Ý              | 6345 EL CAJON BLVD 3401 | 5469151  |                                       |       | -296        | + +       |         | <u> </u> | +        | <u> </u>                              | <u> </u>  |  |          |                |
| ΗÝ             | 6345 EL CAJON BLVD 3402 | 6705342  | <u>}−−−</u> <u></u>  −−               |       | -296        |           |         |          | 1        |                                       |   |  |          | <u> </u>       |
| Ϋ́             | 6345 EL CAJON BLVD 3403 | 6705343  |                                       |       | -296        | ++        |         |          |          |                                       | 1   |  |          | <u></u>        |
| ÷-             | 6345 EL CAJON BLVD 3403 | 6705956  |                                       |       | -296        |           |         |          | +        |                                       |   |  |          | <del> </del>   |
| Ý              | 6345 EL CAJON BLVD 3404 | 6705957  |                                       |       | -296        | +         |         | <u> </u> | 1        |                                       |   |  |          | <u> </u>       |
|                | 6345 EL CAJON BLVD 3406 | 6705958  |                                       |       | -296        |           |         |          |          | i                                     | 1   | -  |          | <u> </u>       |
| <u> </u>       |                         | 0.0000   |                                       | 400   |             |           |         | H        | 1        | 1                                     | 1   |  | 1        | L              |

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| an Basing of | PROPERTY ADDRESS States   |                    | COND         | 1000 A        |             | CARTER          |                  |                      | //2ND//  | MAI      | 1. 18 A. 1 |             | PETOCATEN                                     |                | DIRTISAND | ASPHO      | ACENETO           |
|--------------|---|--------------------|--------------|---------------|-------------|-----------------|------------------|----------------------|----------|----------|------------|-------------|---|----------------|-----------|------------|-------------------|
| CEXIST OG    | Contraction of the second second second second second second second second second second second second second s |                    | S-SIZE %     | You Istal     | State State | 第1GH的           |                  |                      | STRY2    | 1. 19 19 | はれいせんわせい   |             |   | ひょうしょうていちょうでもう |           | CACONCON   | \$72750° 44752 49 |
| Υ            | 6345 EL CAJON BLVD 3407   | 6705959            |              |               |             |                 | 430-296          |                      |          |          |            |             | ······································        |                |           | r - 1      |                   |
| Y            | 6345 EL CAJÓN BLVD HM   | 6701157            |              |               |             |                 | 430-296          |                      |          |          |            |             |   |                |           |            | <u> </u>          |
| Y            | 6351 EL CAJON BLVD  | 6701154            |              |               |             |                 | 430-296          |                      |          |          |            |             |   |                |           |            | <u> </u>          |
| Y            | 6353 EL CAJON BLVD 120  | 6604636            |              |               |             |                 | 430-296          |                      |          |          |            |             |   |                |           |            | <u> </u>          |
| Y            | 6375 EL CAJON BLVD A  | 6483804            |              |               |             |                 | 430-91           |                      |          |          |            |             |   |                |           |            | <u> </u>          |
| Y            | 6375 EL CAJON BLVD B  | 6483829            |              |               |             |                 | 430-91           |                      |          | ļ        | ·          |             |   | -              |           |            | <b></b>           |
| Y            | 6375 EL CAJON BLVD C  | 6483806            |              |               |             |                 | 430-91           |                      |          |          |            |             |   | · ·            |           |            | L                 |
| Y            | 6375 EL CAJON BLVD D  | 6483828            |              |               |             |                 | 430-91           |                      |          |          |            |             |   |                |           |            |                   |
| Ý            | 6375 EL CAJON BLVD E  | 6483807            |              |               |             |                 | 430-91           |                      |          |          |            |             |   |                | <u> </u>  |            | <u> </u>          |
| Ý            | 6375 EL CAJON BLVD HM   | 6483805            | · · ·        |               |             |                 | 430-91           |                      |          |          |            |             |   |                | ·         |            | 1                 |
|              | 6073 ESTELLE ST   | 5554658            |              |               |             |                 | 169-88           |                      |          |          |            |             | Outside of Boundary                           |                |           |            | <u> </u>          |
|              | 6084 ESTELLE ST   | 5554659            |              |               |             |                 | 169-88           |                      |          |          |            |             | Outside of Boundary                           |                |           |            | <u> </u>          |
|              | 6090 ESTELLE ST   | 5554660            |              |               |             |                 | 169-88           |                      |          |          |            |             | Outside of Boundary                           |                | · · .     |            |                   |
|              | 6103 ESTELLE ST   | 5543512            | 1-3"         | 3             | U1P1/0      | 136             | RD4-86           | 169-250              | Y        | 100      | MR         | PC          | Wire out to East wall N/E Corner              | 1              | 38        |            | 17                |
|              | 6105 ESTELLE ST   | 5543513            |              |               |             |                 |                  |                      |          |          |            |             |   |                |           |            |                   |
|              | 6103 ESTELLE ST   | 5993185            | 1-3"         | 3             | U1P-#2      | 41              | RD4-86           | 169-250              | Ý        | 100      | SR         | PC          | Wire out to East wall N/E comer               | -              | 1         | 24         | 10                |
|              | 6112 ESTELLE ST   | 6468485            | 1-3"         | - 3           | U1P-#2      | 40              | RD4-86           | 169-250              |          | 200      |            | CC          | Existing at East wall sout comer              |                | 16        |            |                   |
| <b>—</b>     | 6112 ESTELLE ST   | 5543511            | 1-3"         | 3             | U1P1/0      | 127             | RD4-86           | 169-250              |          | 100      | SR         | PC          | Wire out to East wall N/E corner              |                | 21        | 12         | 21                |
| <b></b>      | 6119 ESTELLE ST   | 5543532            | 1-3          | 3             | U1P-#2      | 30              | RD4-80           | 169-250              |          | 100      | SR         | PC          | Wire out to East wall N/E corner              | Ŷ              | 9         | 4          | 55                |
|              |   |                    |              | 3             | U1P#2       | 32              | RD4-80           | 169-250              |          | 100      | SR         | PC          | Wire out to West wall N/W corner              |                | 16        |            | 36                |
|              | 6135 ESTELLE ST   | 5543531<br>5543530 | 1-3"<br>1-3" | 3             | U1P-#2      | 48              | RD4-80           | 169-250              |          | 100      | SR         | PC          | Wire out to East wall N/E corner              |                | 1         | 20         | 35                |
|              | 6143 ESTELLE ST   |                    |              |               | U1P-#2      | 46              | RD4-86           | 169-250              | -        | 100      | SR         | PC          | Wire out to West wall S/W Comer               |                |           | 26         | 11                |
|              | 6150 ESTELLE ST   | 5543554            | 1-3"         | 3             |             |                 | RD4-66           | 169-250              |          | 100      | SR         | PC          | Wire out to North wall N/W comer              |                | 20        |            | 36                |
|              | 6155 ESTELLE ST   | 5543533            | 1-3"         | 3             | U1P-#2      | 34              |                  | 169-250              |          | 100      | SR         | PC          | Wire out to East wall S/E Corner              |                | 5         | 20         | 8                 |
|              | 6158 ESTELLE ST   | 5543556            | 1-3"         | 3             | U1P-#2      | 46              | RD4-86           |                      |          | 100      |            | PC          | Wire out to East wall N/E corner              |                | 16        | 4          | 38                |
|              | 6167 ESTELLE ST   | 5543555            | 1-3"         | 3             | U1P-#2      | 128             | RD4-80           | 169-251              |          |          | \$R        |             | Wire out to West Wall N/W Corner              | Ŷ              | 20        |            | 52                |
|              | 6201 ESTELLE ST   | 5545094            | 1-3"         | 3             | U1P-#2      | 126             | RD4-80           | 169-251              |          | 100      | SR         | PC          |   |                | 21        |            | - SZ              |
|              | 6209 ESTELLE ST   | 5545097            | 1-3"         | 3             | U1P#2       | 92              | RD4-90           | 169-251              |          | 100      | SR         | PC          | Wire out to West Wall N/W Corner              |                | 21        | 32         | 39                |
|              | 6210 ESTELLE ST   | 5835759            | 1-3"         | 3             | U1P-#2      | 57              | RD4-72           | 169-251              |          | 100      | SR         | PC          | Wire out to Southeast Wall S/E Corner         |                |           | 19         | 87                |
|              | 6217 ESTELLE ST   | 5545096            | 1-3"         | 3             | U1P-#2      | 36              | RD4-90           | 169-251              |          | 100      | SR         | PC          | Wire out to N/E Wall N/E Comer                |                | 19        | 18         | 47                |
|              | 6218 ESTELLE ST   | 5540868            | 1-3"         | 3             | U1P-#2      | 38              | RD4-72           | 169-251              |          | 100      | SR         | PC          | Wire out to WestSouth Wall S/W Corner         |                | 18        | 10         | 56                |
|              | 6225 ESTELLE ST   | 5545118            | 1-3"         | 3             | U1P-#2      | 63              | RD4-90           | 169-251              |          | 100      | SR         | PC          | Wire out to most W Wall N/W Comer             |                | +         | 43         | 45                |
| -            | 6226 ESTELLE ST   | 5710234            | 1-3"         | 3             | U1P-#2      | 39              | RD4-72           | 169-251              |          | 100      | SR         | PC          | Wire out to E wall S/E Corner                 |                | 20        |            |                   |
|              | 6233 ESTELLE ST   | 5545121            | 1-3"         | 3             | U1P-#2      | 133             | RD4-90           | 169-251              | Y        | 100      | \$R        | PC          | Wire out to Eastern Wall N/E Corner           | Y              | 32        | 6          | 85                |
|              | 6234 ESTELLE ST   | 5540868            | 1-3"         | 3             | U1P-#2      | 94              | RD4-72           | 169-251              |          | 100      | SR         | PC          | Wire out to E wall S/E Corner                 |                | 15        | 4          | 91                |
|              | 6242 ESTELLE ST   | 5540867            | 1-3"         | 3             | U1P-#2      | 113             | RD4-72           | 169-252              |          | 100      | ŚR         | PC          | Wire out to E wall beyond gas                 |                |           | 20         | 78                |
|              | 6250 ESTELLE ST   | 5540845            | 1-3"         | 3             | U1P-#2      | 42              | RD4-72           | 169-252              |          | 200      | SR         | PC          | Wire out to E wall S/E Corner                 |                | 14        | 6          | 87                |
|              | 6256 ESTELLE ST   | 5540842            | 1-3"         | 3             | U1P-#2      | 39              | RD4-72           | 169-252              |          | 100      | \$R        | PC          | Wire out to W wall S/W Comer                  |                | 14        | 6          | 86                |
|              | 6262 ESTELLE ST   | 5540844            | 1-3"         | 3             | U1P-#2      | 34              | RD4-73           | 169-252              |          | 200      | ŞR         | PĈ          | Wire out to S wall S/E Corner                 | <u> </u>       | 14        | . <u> </u> | 96                |
|              | 6265 ESTELLE ST   | 5545120            | 1-3"         | 3             | U1P#2       | 42              | RD4-160          | 169-252              |          | 100      | SR         | PC          | Wire out to North Wall N/E Corner             |                | 13        | 4          | 72                |
|              | 6270 ESTELLE ST   | 6567166            | 1-3"         | 3             | U1P-#2      | 39              | RD4-73           | 169-252              |          | 100      | SR         | PC          | Wire out to W wall S/W Comer                  | Y              | 20        |            | 87                |
|              | 6273 ESTELLE ST   | 5545119            | 1-3"         | 3             | U1P-#2      | 44              | RD4-160          | 169-252              |          | 100      | SR         | PC          | Wire out to West Wall N/W Comer               |                |           | 19         | 69                |
|              | 6276 ESTELLE ST   | 5540843            | 1-3"         | 3             | U1P-#2      | 100             | RD4-73           | 169-252              |          | 200      | SR         | PC          | Wire out to W wall S/W Comer                  |                | 18        | 1          | 82                |
| <u> </u>     | 6281 ESTELLE ST   | 5523224            | 1-3          | 3             | U1P-#2      | 103             | RD4-160          | 169-252              |          | 100      | SR         | PC          | Wire out to Eastnorthern Wall N/E Corner      | Y              | 5         | 17         | 61                |
|              | 6284 ESTELLE ST   | 5540792            | 1-3"         | 3             | U1P#2       | 103             | RD4-73           | 169-252              |          | 100      | SR         | PC          | Wire out to E wall S/E Corner                 |                | 18        |            | 28                |
|              | 6287 ESTELLE ST   | 5523223            | 1-3"         | 3             | U1P#2       | 100             | RD4-160          | 169-252              |          | 100      | SR         | PC          | Wire out to North Wall N/W Comer, DEC, PAVING |                | 2         | 15         | 84                |
|              | 6292 ESTELLE ST   | 5540791            | 1-3"         | 3             | U1P-#2      | 130             | RD4-73           | 169-252              |          | 100      | SR         | PĆ          | Wire out to W wall S/W Comer                  |                | 13        | 5          | 29                |
|              | 6403 ESTELLE ST   | 5523222            | 1-3"         | 3             | U1P-#2      | 45              | RD2-59           | EX STA W.O.#2969290  |          | 100      | SR         | MA          | RHA.Wire out to West wall N/W Corner          |                | 20        |            |                   |
|              | 6404 ESTELLE ST   | 5660006            |              | <u> </u>      |             | <u> </u>        | RD2-59           | EX. STA W.O.#2969291 | i        | 100      | SR         | PC          | Service to beinstalled on W.O.#2969290        |                |           |            |                   |
|              | 6411 ESTELLE ST   | 5523225            | 1-3"         | 3             | U1P-#2      | 123             | RD2-59           | 169-264              | 1        | 100      | SR         | MA          | LHA, Wire out to East wall at ex mtr          | 1              | 7         | 15         |                   |
| <u> </u>     | 6414 ESTELLE ST   | 5629193            | 1-3"         | 3             | U1P#2       | 48              | RD2-59           | 169-264              |          | 100      | SR         | PĆ          | Wire out to East Wall beyond ex mtr           |                |           | 25         | 3                 |
|              |   | 5543496            | 1-3          | 3             | U1P#2       | 82              | RD2-59           | 169-264              | i        | 100      | SR         | MA          | LHA. Wire out to East wallat ex mtr           | 1              |           | 21         | 1                 |
| <u> </u>     | 6419 ESTELLE ST   | 5629190            | 1-3"         | 3             | U1P-#2      | 45              | RD2-59           | 169-264              | -        | 100      | SR         | PC          | Wire out to West wall beyond ex mtr           | Y              | 25        | 3          | 5                 |
| <b> </b>     | 6424 ESTELLE ST   |                    | 1-3"         | 3             | U1P-#2      | 94              | RD2-59           | 169-264              | <u> </u> | 100      | SR         | cc          | Wire out to West wall N/W corner              |                | 27        | 5          | 1                 |
|              | 6427 ESTELLE ST   | 5947522            | 1-3"         | 3             | U1P-#2      | 94<br>34        | RD2-59           | 169-264              |          | 100      | SR         | PC          | Wire out to East wall N/E Corner              |                |           | 13         | 5                 |
|              | 6435 ESTELLE ST   | 5947568            |              | -             | U1P-#2      | <u>34</u><br>54 | RD2-59           | 169-264              |          | 100      | SR         | - <u>cc</u> | Wire out to East Wall at existr               |                | 27        | 1          | 1                 |
|              | 6436 ESTELLE ST<br>6443 ESTELLE ST  | 5629119<br>5543495 | 1-3"         | <u>3</u><br>3 | U1P-#2      | 38              | RD2-59<br>RD2-59 | 169-264              | <u> </u> | 100      | SR         | MA          | LHA, Wire out to West wall N/W corner         | 1              | 16        | 6          | +                 |
|              |   |                    |              | . 3           | 111112222   | 1.58            | 1 11/2-08        | 1034204              |          |          | 1 31       | 1 10/24     | EN THE THE OLD TO THE CONTROL OF THE OTHER    |                |           |            |                   |

| EXIST US PROPERTY ADDRESS | MTR# *  | SIZE     | NO WIRES | 01942       | CABLE<br>LGTH | OLD AFMR | NWXFRMER | 210<br>STRY | MAU   | 1.5VA    | PC       | PCLOCATION  | RETWALL   | DIRULAND. | ASPH/    | XCEST    |
|---------------------------|---------|----------|----------|-------------|---------------|----------|----------|-------------|-------|----------|----------|---|-----------|-----------|----------|----------|
| 6446 ESTELLE ST           | 5629120 | 1-3"     | 3        | U1P-#2      | 44            | RD2-59   | 169-264  |             | 100   | SR       | PC       | Wire out to West wall beyond ex mtr               | 1         | 20        |          | 4        |
| 6451 ESTELLE ST           | 5466610 | 1-3"     | 3        | U1P-#2      | 83            | RD4-39   | 169-264  |             | 100   | SR       | PC       | Wire out to East wall before ex mtr : DEC. PAVING |           |           | 22       | 14       |
| 6452 ESTELLE ST           | 5629121 | 1-3"     | 3        | U1P-#2      | 49            | RD2-59   | 169-264  |             | 100   | SR       | PC       | Wire out to West wall beyond ex mtr               |           | 29        |          | 4        |
| 6459 ESTELLE ST           | 5543494 | 1-3"     | 3        | U1P-#2      | 84            | RD4-39   | 169-264  |             | 100   | SR       | PC       | Wire out to West wall N/W corner                  |           |           | 22       | 14       |
| 6502 ESTELLE ST           | 5629118 | 1-3"     | 3        | U1P-#2      | 42            | RD4-202  | 169-264  |             | 200   | SR       | PC       | Wire out to East wall S/E comer beyond gas meter  | -i        |           | 17       | 10       |
| 6503 ESTELLE ST           | 6565455 | 1-3"     | 3        | U1P-#2      | 39            | RD4-39   | 169-264  |             | 100   | SR       | PC       | Wire out to East wall N/E corner beyond window    |           | 22        |          | 23       |
| 6508 ESTELLE ST           | 6224442 | 1-3"     | 3        | U1P-#2      | 127           | RD4-202  | 169-264  |             | 100   | SR       | MA       | LHA. Wire out to East wall at ex mtr              |           | ~~~       | 37       | 23       |
| 6511 ESTELLE ST           | 5543497 | 1-3"     | 3        | U1P-#2      | 35            | RD4-39   | 169-264  |             | 100   | SR       | PC       | Wire out to West Wall N/W Corner                  | _         |           | 21       | 18       |
| 6516 ESTELLE ST           | 5629124 | 1-3"     | 3        | U1P-#2      |               | RD4-202  | 169-264  |             | 100   | SR       | FC       | Wire out to West wall Beyond Gas                  |           | 20        | 5        | 15       |
| 6519 ESTELLE ST           | 5629149 | 1-3"     | 3        | U1P-#2      |               | RD4-82   | 169-263  |             | 100   | SR<br>SR | PC       | Wire out to East wall N/E comer                   |           | 20        | <u> </u> | 15       |
| 6524 ESTELLE ST           | 5629122 | 1-3"     | 3        | U1P-#2      | 40            | RD4-202  | 169-263  |             | 100   | SR       | PC       | Wire out to East wall S/E comer                   | Ŷ         | 20        | ~ ~ ~    |          |
| 6527 ESTELLE ST           | 5629146 | 1-3"     | 3        | U1P-#2      |               | RD4-202  | 169-263  |             | 100   | SR       | PC<br>PC |   | ř         |           | 21       | 15       |
| 6534 ESTELLE ST           | 5629125 |          | 3        |             |               |          |          |             |       |          |          | wire out to West wall N/W corner                  |           | 16        | 9        | 15       |
|                           |         | 1-3"     |          | U1P-#2      |               | RD4-202  | 169-263  |             | 100   | \$R      | PC       | Wire out to West Beyond Gas                       | Y         | 14        | 12       | 15       |
| 6535 ESTELLE ST           | 5629147 | 1-3"     | 3        | U1P-#2      | 83            | RD4-82   | 169-263  |             | 100   | SR       | PC       | wire out to West wall N/W Comer beyond gas meter  | _         | 17        | 8        | 10       |
| 6543 ESTELLE ST           | 5466606 | 1-3"     | 3        | U1P-#2      | 84            | RD4-82   | 169-263  |             | 100   | SR       | PC       | wire out to North wall N/E Corner                 |           | 18        | 5        | 25       |
| 6550 ESTELLE ST           | 5629148 | 1-3"     | 3        | U1P-#2      | 118           | RD4-207  | 169-263  |             | 100   | SR       | MA       | RHA. WIRE out to East wall at ex mtr              |           | 20        |          |          |
| 6551 ESTELLE ST           | 6270561 | 1-3"     | 3        | U1P-#2      | 86            | RD4-82   | 169-263  |             | 100   | SR       | PC       | Wire out to West wall N/W Comer                   | 1         |           | 21       | 15       |
| 6112 1/2 LORCA DR         | 5993172 |          |          |             |               | RD4-80   | ]        |             |       |          |          | OUTSIDE OF BOUNDRY                                |           |           |          |          |
| 6112 LORCA DR             | 5993196 |          |          | · · ·       |               | RD4-80 : |          |             |       |          |          | OUTSIDE OF BOUNDRY                                | 1         | :         |          |          |
| 6114 LORCA DR             | 5993175 |          |          | 1           |               | RD4-80   |          |             | 1     |          |          | OUTSIDE OF BOUNDRY                                |           |           |          |          |
| 6128 LORCA DR             | 5503725 |          |          |             |               | RD4-80   |          |             |       |          |          | OUTSIDE OF BOUNDRY                                |           |           |          | 1        |
| 6144 LORCA DR             | 5503723 |          | 1        | 1           |               | RD4-80   |          |             | 1     |          |          | OUTSIDE OF BOUNDRY                                |           | ;         |          |          |
| 6152 LORCA DR             | 5503724 |          | 1        |             | 1             | RD4-80   |          |             | 1     |          |          | OUTSIDE OF BOUNDRY                                | 1         |           |          | 1        |
| 6160 LORCA DR             | 5547354 |          |          |             |               | RD4-80   |          |             |       |          |          | OUTSIDE OF BOUNDRY                                |           |           |          |          |
| 6168 LORCA DR             | 5547355 |          |          |             |               | RD4-90   |          |             | ł – – |          |          | OUTSIDE OF BOUNDRY                                |           |           |          | 1        |
| 6176 LORCA DR             | 5547357 |          |          |             |               | RD4-90   |          |             | 1     |          | -        | OUTSIDE OF BOUNDRY                                |           |           |          | 1        |
| 6184 LORCA DR             | 5547356 | -        |          |             |               | RD4-90   |          |             |       |          |          |   |           |           |          |          |
| 6194 LORCA DR             | 5947569 |          |          |             |               | RD4-90   |          |             |       |          |          | OUTSIDE OF BOUNDRY                                |           |           |          |          |
| 6111 MADELINE ST          | 5543557 | 1 3"     | 3        | U1P-#2      | 38            | RD4-86   | 169-250  |             | 100   | SR       | PC       | Wire out to East wall beyond ex meter             | _ <u></u> | 19        |          | 7        |
| Y 6114 1/3 MADELINE ST    | 5993187 | <u> </u> |          | 011-72      | 152           | RD4-87   | 169-249  |             | 100   |          |          | Whe out to East wall beyond exilineter            |           | 18        |          | - '      |
| 6114 MADELINE ST          | 5543537 | 1-3"     | 3        | U1P-#2      | 152           | RD4-87   | 169-249  |             | 100   | SR       | PC       | Wire out South wall Beyong Ex. Mtr                |           |           | 43       | 17       |
| 6122 MADELINE ST          | 5543536 | 1-3"     | 3        | U1P-#2      | 38            | RD4-67   | 169-249  |             | 100   | SR<br>SR | PC       |   |           | 40        |          |          |
|                           |         |          |          |             |               |          |          |             |       |          |          | South Easterly Wall/ South easterlu corner        |           | 19        | 2        | 6        |
| 6129 MADELINE ST          | 6466561 | 1-3"     | 3        | U1P-#2      | 126           | RD4-87   | 169-249  |             | 100   | SR       | PC       | East wall beyond ex mtr                           | _         | 28        | 5        | 7        |
| 6130 MADELINE ST          | 5543534 | 1-3"     | 3        | U1P-#2      | 49            | RD4-87   | 169-249  |             | 100   | \$R      | PC       | Wire out East wall north of Ex. Mtr               |           | 30        |          | 3        |
| 6138 MADELINE ST          | 5543535 | 1-3"     | 3        | U1P-#2      | 37            | RD4-87   | 169-249  |             | 100   | SR       | PC       | Wire out to West Wall South West Corner           |           | 18        | 3        | 13       |
| 6141 MADELINE ST          | 5543580 | 1-3"     | 3        | U1P-#2      | 47            | RD4-87   | 169-249  |             | 100   | SR       | PC       | Wire out to East Wal Beyond Ex. Mtr.              |           | 4         | 26       | 11       |
| 6146 MADELINE ST          | 5523148 | 1-3"     | 3        | U1P-#2      | 39            | RD4-87   | 169-249  |             | 100   | \$R      | MA       | RHA East wall at ex mtr                           |           | 2         | 7        | 1        |
| 6151 MADELINE ST          | 5543578 | 1-3"     | 3        | U1P-#2      | 32            | RD4-87   | 169-249  |             | 100   | SR       | CC       | Wire out to West wall at ex. Mtr                  |           |           | 15       |          |
| 6154 MADELINE ST          | 5522119 | 1-3"     | 3        | U1P-#2      | 38            | RD4-87   | 169-249  |             | 100   | SR       | MA       | RHA West wall at Ex. Mtr                          |           | 22        |          |          |
| 6157 MADELINE ST          | 5543581 | 1-3"     | 3        | U1P-#2      | 93            | RD4-87   | 169-249  |             | 200   | \$R      | PC       | Wire out to West wall Beyong Existing Meter       |           | 31        |          | 13       |
| 6162 MADELINE ST          | 5523200 | 1-3"     | 3        | U1P-#2      | 49            | RD4-87   | 169-249  |             | 200   | SR       | PC       | Wire out to East wall, Beyong Ex. Mtr             |           | 30        |          | 11       |
| 6201 MADELINE ST          | 5625179 | 1-3"     | 3        | U1P-#2      | 26            | RD4-71   | 169-253  |             | 100   | SR       | MA       | LHA at ex. Mtr                                    |           | 3         |          | 1        |
| 6204 MADELINE ST          | 5625178 | 1-3"     | 3        | U1P-#2      | 65            | RD4-71   | 169-253  | Y           | 200   | SR       | PC       | EAST WALL NORTH OF EX. MTR: DEC. PAVING           | Y         |           | 44       | 7        |
| 6209 MADELINE ST          | 5476588 | 1-3"     | 3        | U1P-#2      |               | RD4-72   | 169-253  |             | 100   | SR       | PC       | WEST WALL North of Ex. Mir                        | Ý         | 3         | 44       | 5        |
| 6211 MADELINE ST          | 5476589 | 1-0      | +        |             |               | 10472    | 100-200  |             | 100   |          | - 10     |   |           |           |          |          |
| 6214 MADELINE ST          | 5815363 | 1-3″     | 3        | U1P-#2      | 07            | RD4-71   | 169-253  |             | 100   | SR       |          |   |           |           |          |          |
|                           |         | 1-5      | 3        | UIP-#Z      | 97            | RU4-71   | 109-203  |             | 100   | 38       | PC       | SOUTH WALL S/W CORNER                             | Ý         | 5         | 5        | 111      |
| 6216 MADELINE ST          | 5729880 |          |          |             |               |          |          |             |       |          |          |   |           |           |          |          |
| 6222 MADELINE ST 102      | 5476661 | 1-3"     | 3        | U1P-#2      | 20            | RD4-103  | 169-254  | Y           | 400   | MR       | PC       | East Wall South of Ex. Mtr                        | Ý         | · · ·     | 5        | 14       |
| 6222 MADELINE ST 103      | 5476658 | -        | L        |             |               |          |          |             | ļ     |          |          |   |           |           |          |          |
| 6222 MADELINE ST 104      | 5629187 |          | 1        |             |               |          |          |             |       |          |          |   |           |           |          |          |
| 6222 MADELINE ST 105      | 5476636 |          | 1        |             |               |          |          |             |       |          |          |   | 1         |           |          |          |
| 6222 MADELINE ST 106      | 5629189 |          |          |             |               |          |          |             |       |          |          |   | 1         | · · ·     |          |          |
| 6222 MADELINE ST 107      | 5476634 |          |          |             |               |          |          |             | 1     |          |          |   | 1         | · ·       |          | 1        |
| 6222 MADELINE ST 108      | 5476611 |          | 1        |             |               |          |          |             |       |          |          |   |           | : 1       |          | 1        |
| 6222 MADELINE ST 109      | 5476612 |          | 1        |             |               |          |          |             | 1     |          |          | 1   |           | · · ·     |          | <u> </u> |
| 6222 MADELINE ST 110      | 5476613 | 1        | 1        | 1 1         |               |          |          |             | 1     |          |          |   |           | . 1       |          | <u> </u> |
|                           |         |          |          | · · · · · · | 1             |          |          | · ·         | 1     |          |          |   |           | i         |          | <u>i</u> |

| IG. 14.50-50 PROPERTY ADDRESS and the        | MIR#    | COND24       | NO WIRES                                      | 1012 #24  | CABLE:                                       | <b>SCEDXEMR</b> | C NV XERMER | STRY     | MAL NO. | SME        | Yez Mi                                       | CCLOCKION CONTRACTOR                   | RETWALL  | SDIRT/TAND | ACONC .  | 105      |
|--|---------|--------------|---|-----------|--|-----------------|-------------|----------|---------|------------|--|--|----------|------------|----------|----------|
| 6222 MADELINE ST 111                         | 5476610 |              |   |           | •  |                 |             |          | }       |            |  |  |          |            |          |          |
| 6222 MADELINE ST 112                         | 5476635 |              |   |           |  |                 |             | 1        | 1       |            |  |  |          |            |          |          |
| 6222 MADELINE ST 114                         | 5629188 |              |   |           |  |                 |             | 1        |         |            |  |  |          |            |          |          |
| 6222 MADELINE ST 115                         | 5476637 |              |   |           |  |                 |             |          | 1       | 1          |  |  | 1        |            |          |          |
| 6222 MADELINE ST 116                         | 5629186 |              |   |           |  | <u> </u>        |             |          |         | <u> </u>   |  |  |          |            |          |          |
| 6222 MADELINE ST 117                         | 5476659 |              |   |           |  |                 |             |          |         | · · · ·    |  |  |          | 1          |          |          |
|  | 5476660 |              |   |           |  |                 | ···· ,      | +        |         | · ·        |  |  |          |            |          | 1        |
| 6222 MADELINE ST 118                         | 5629140 |              |   |           |  |                 |             | +        | · · ·   |            |  |  |          |            |          | f        |
| 6222 MADELINE ST HM                          |         | 4 01         |   | 114777.00 |  | DD ( 400        | 169-254     |          | 400     | MR         | CC   | Wire out to East at Ex. Mtr            | Y        |            | 100      | <u> </u> |
| 6222 MADELINE ST 119                         | 5629136 | 1-3"         | 3   | U1P1/0    | 116  | RD4-103         |             | Y        | 400     | IVIR       |  | WHE OUT TO EAST ALEX. WID              | T        |            | 100      | ┢──      |
| 6222 MADELINE ST 120                         | 5629137 |              |   |           | 116  | RD4-103         | 169-254     | <u>}</u> | ļ       | -          | ļ  | · · · · · · · · · · · · · · · · · · ·  |          | ł          |          |          |
| 6222 MADELINE ST 121                         | 5953094 |              |   |           | 116  | RD4-103         | 169-254     | 1        |         |            |  |  |          |            | <u> </u> | +        |
| 6222 MADELINE ST 122                         | 5476586 |              |   |           | 116  | RD4-103         | 169-254     | 1        | I       |            |  |  |          |            |          |          |
| 6222 MADELINE ST 123                         | 5628621 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          |            | <u> </u> | <u> </u> |
| 6222 MADELINE ST 124                         | 5628619 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          |            |          |          |
| 6222 MADELINE ST 125                         | 5628618 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          |            |          | 4        |
| 6222 MADELINE ST 126                         | 5628573 |              | · · · ·                                       |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          |            |          |          |
| 6222 MADELINE ST 127                         | 5628572 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          |            |          |          |
| 6222 MADELINE ST 128                         | 5628571 |              | 1   | Í         | 116  | RD4-103         | 169-254     | 1        | 1       |            |  |  |          |            |          |          |
| 6222 MADELINE ST 120                         | 5629110 |              | 1   | ·         | 116  | RD4-103         | 169-254     | 1        | 1       | 1          |  |  |          |            |          | Γ        |
| 6222 MADELINE ST 129                         | 5629111 |              |   |           | 116  | RD4-103         | 169-254     | 1        | 1       | <u> </u>   |  |  |          |            | 1        | L        |
| 6222 MADELINE ST 130                         | 5629113 |              | <u>                                      </u> | -         | 116  | RD4-103         | 169-254     | 1        | 1       | 1          |  |  |          | 1          |          | T        |
|  |         | }            |   |           | 116  | RD4-103         | 169-254     |          | +       | 1.         | <u> </u>                                     |  |          |            | 1        | 1-       |
| 6222 MADELINE ST 132                         | 5628620 |              |   | - · ·     | 116  | RD4-103         | 169-254     |          |         |            |  | · · · · · · · · · · · · · · · · · · ·  |          |            |          | 1-       |
| 6222 MADELINE ST 133                         | 5629112 | ļ            |   | <u> </u>  |  |                 | 169-254     |          |         | <u> </u>   | i  | · · · · · · · · · · · · · · · · · · ·  |          | i          | <b>-</b> | +        |
| 6222 MADELINE ST 134                         | 5476587 |              |   |           | 116  | RD4-103         |             |          | -       |            | i  | · · · · · · · · · · · · · · · · · · ·  | -        | <u>+</u>   |          | +        |
| 6222 MADELINE ST 135                         | 5628570 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  |          | 1          |          | +        |
| 6222 MADELINE ST 136                         | 5629135 |              |   |           | 116  | RD4-103         | 169-254     | -        |         |            |  |  |          |            |          | +        |
| 6222 MADELINE ST HM                          | 5629134 |              |   |           | 116  | RD4-103         | 169-254     |          |         |            |  |  | -        |            |          |          |
| 6231 MADELINE ST HM                          | 5625246 | 1-3"         | 3   | U1P1/0    | 46   | RD4-111         | 169-255     | Y        | 400     | MR         | PC   | Wire out to North wall South of pool   | Y        | 30         |          | -        |
| 6231 MADELINE ST 171                         | 5625223 |              |   | <u> </u>  |  |                 |             |          |         |            |  |  | <u> </u> |            |          | +        |
| 6231 MADELINE ST 172                         | 5625247 |              | 1   |           | l  |                 |             |          |         |            |  |  |          |            |          |          |
| 6231 MADELINE ST 173                         | 5625249 |              |   |           |  |                 |             |          |         |            |  |  |          |            |          | +        |
| 6231 MADELINE ST 174                         | 5628694 | ſ            |   | T         |  |                 |             | 1        |         |            |  |  |          |            |          |          |
| 6231 MADELINE ST 175                         | 5628902 |              | 1   |           |  |                 | ··· ·       | 1        | 1       |            |  |  |          |            |          |          |
| 6231 MADELINE ST 176                         | 5628897 | 1            |   | · · · ·   |  | 1.              | · · · · · · | 1        |         | -          |  |  |          |            | 1        |          |
| 6231 MADELINE ST 178                         | 5628878 |              |   |           | 1.   | 1               |             | 1        |         | 1          |  |  |          | 1.         | I        |          |
| 6231 MADELINE ST 179                         | 5628905 |              |   |           |  | 1               |             |          | í       | ĺ.         |  |  |          | 1          |          |          |
| 6231 MADELINE ST 180                         | 5628904 |              |   | · · · ·   |  |                 |             | -        | -       |            |  |  |          | 1          |          | T        |
|  | 5628879 |              |   |           |  |                 |             |          |         | · ·        |  | - <u> </u>                             |          |            |          | T        |
| 6231 MADELINE ST 181                         |         |              |   | +         | <u>                                     </u> |                 |             |          |         | <u> </u>   |  |  |          |            |          | T        |
| 6231 MADELINE ST 182                         | 5628881 |              |   | <u> </u>  | <del> </del>                                 |                 | · · · ·     | +        | +       |            |  |  |          | t i        |          | t        |
| 6231 MADELINE ST 183                         | 5628896 |              | Į   | +         |  | 1               |             | +        | +       | +          |  |  |          | <u>†-</u>  | 1        | +        |
| 6231 MADELINE ST 184                         | 5628903 | +            | <u> </u>                                      | <u> </u>  | 1  | 1               |             |          |         | +          | <u> </u>                                     |  |          | +          | 1        | +        |
| 6231 MADELINE ST 185                         | 5628895 | ļ            |   |           |  | -               |             | +        |         |            |  |  |          |            |          | +        |
| 6231 MADELINE ST 186                         | 5625248 | <u> </u>     | <u> </u>                                      | L         | I  |                 |             |          |         |            | ļ  |  |          | +          | +        | +        |
| 6231 MADELINE ST 187                         | 5625222 | 1            |   |           |  |                 |             |          | +       |            | <u> </u>                                     |  |          |            |          | +        |
| 6231 MADELINE ST 188                         | 5625224 | 1            |   | <u> </u>  |  |                 | L           |          |         | 1          | <u>}                                    </u> |  |          | 1          |          | ┿        |
| 6231 MADELINE ST 189                         | 5625228 | 1-3"         | 3   | U1P1/0    | 85   | RD4-111         | 169-255     | Y        | 400     | MR         | PC   | Wire out to East wall North of Ex. Mtr | Y        | 15         | 55       | ╇        |
| 6231 MADELINE ST 190                         | 5628860 | 1            | 1   | Τ         |  | RD4-111         |             |          |         | <u> </u>   |  |  |          | · · ·      |          | +        |
| 6231 MADELINE ST 191                         | 5625226 | <u>r</u>     |   |           |  | RD4-111         |             |          |         |            |  |  |          | <u>i</u>   |          | +        |
| 6231 MADELINE ST 192                         | 5628859 | 1            | 1   | 1         |  | RD4-111         |             |          |         |            |  |  |          | 1          |          | $\perp$  |
| 6231 MADELINE ST 193                         | 5625204 | <u> </u>     |   | 1         | 1  | RD4-111         |             |          | 1       |            |  |  |          |            |          |          |
| 6231 MADELINE ST 194                         | 5625202 | 1            |   | 1         | 1  | RD4-111         |             |          |         |            |  |  |          |            |          |          |
| 6231 MADELINE ST 195                         | 5628856 |              | 1   | 1         | 1  | RD4-111         | i           | 1        | 1       |            | 1  |  |          |            |          |          |
| 6231 MADELINE ST 195                         | 5628854 | +            | 1   | +         | 1  | RD4-111         | · ···       | -1       | 1       | 1          | 1  |  |          |            | 1        | Т        |
|  | 5628855 | <del> </del> |   | +         | +  | RD4-111         |             | 1        | 1       | 1          |  |  |          |            |          | 1        |
| 6231 MADELINE ST 197                         | 5628857 | <u> </u>     | +   | +         |  | RD4-111         | ·           |          |         |            | 1  |  |          | 1          | 1        | T        |
| 6231 MADELINE ST 198<br>6231 MADELINE ST 199 |         | <u> </u>     | +   |           |  | RD4-111         |             |          |         | · <u>†</u> | +  | · · · · · · · · · · · · · · · · · · ·  | 1        | 1          | 1        | +        |
|  | 5625203 | 1            | 1   | 1         |  | 11304-111       | 1           |          |         | +          |  | 1                                      |          |            |          |          |

| st gg | PROPERTY ADDRESS     | MTR#    | COND.    | NO MARES | 1. UTP #2/ | LGTH | OLDXFMR | WXERSER                                 | STRY     | MAG                     | CSW                                   | PC /       | PCLOCATION                                  | REDWALL  | DIRTICAND | ASPHT    | XCES F   |
|-------|----------------------|---------|----------|----------|------------|------|---------|---|----------|-------------------------|---------------------------------------|------------|---|----------|-----------|----------|----------|
|       | 6231 MADELINE ST 200 | 5625205 | 1        |          |            |      | RD4-111 |   |          |                         |                                       |            |   | 1        |           |          |          |
|       | 6231 MADELINE ST 201 | 5628858 |          | 1        | <u> </u>   |      | RD4-111 |   |          |                         |                                       |            | ····-                                       |          | ,         |          | 1        |
|       | 6231 MADELINE ST 202 | 5625227 |          |          |            |      | RD4-111 |   |          |                         |                                       |            |   | +        |           |          | 1        |
|       | 6231 MADELINE ST 203 | 5628861 |          | · · · ·  |            |      | RD4-111 |   | 1        |                         |                                       |            | 1   | · · ·    |           |          | +        |
|       | 6231 MADELINE ST 204 | 5625229 | 1        | 1        |            |      | RD4-111 |   |          |                         | l                                     |            | <u>.</u>                                    |          | ,         |          |          |
|       | 6231 MADELINE ST HM  | 5625181 |          |          |            |      | RD4-111 |   |          |                         |                                       |            |   | -        |           |          | +        |
|       | 6231 MADELINE ST HM  | 5625246 |          |          |            |      | RD4-111 |   |          |                         | -                                     |            | · · · · · · · · · · · · · · · · · · ·       |          |           |          | +        |
|       |                      |         |          | 1        |            |      |         |   |          |                         | 1                                     |            |   | _        |           |          |          |
|       | 6266 MADELINE ST HM  | 5629165 | 1-3"     | 3        | U1P1/0     | 47   | RD4-102 | 169-259                                 | Y        | 200                     | MR                                    | CC         | North Wall At Ex. MTR                       |          | 23        | . 5      | 1        |
|       | 6266 MADELINE ST 60  | 5629164 |          |          |            |      |         |   |          |                         | ł                                     |            |   |          | :         |          |          |
|       | 6266 MADELINE ST 61  | 5522945 |          |          |            |      |         |   |          | ŀ                       |                                       |            |   |          |           |          | 1        |
|       | 6266 MADELINE ST 62  | 5522944 |          |          |            |      |         |   |          |                         |                                       |            |   |          |           |          | 1        |
|       | 6266 MADELINE ST 63  | 5522921 |          |          |            |      |         |   | 1        |                         |                                       |            |   |          |           |          | 1        |
|       | 6266 MADELINE ST 64  | 5522920 |          | 1        | İ          |      |         |   |          |                         | · · · · · · · · · · · · · · · · · · · |            |   |          |           |          | 1        |
|       | 6266 MADELINE ST 65  | 5629141 |          |          |            |      |         |   |          |                         |                                       |            |   |          |           |          | +        |
|       | 6266 MADELINE ST 66  | 5522918 |          |          |            |      |         |   | 1        | <u> </u> <del>.</del> . |                                       |            |   | 1        |           |          | +        |
|       | 6266 MADELINE ST 67  | 5522919 |          |          |            |      |         |   | -        |                         |                                       | ····       |   | 1        |           |          | +        |
|       | 6266 MADELINE ST 68  | 5522942 |          | +        |            |      |         |   | 1        |                         | 1                                     |            |   |          |           |          | +        |
|       | 6266 MADELINE ST 69  | 5522942 |          |          |            |      |         |   | -        | 1                       |                                       |            |   | +        |           |          |          |
|       |                      |         | ŀ        | -        |            |      |         |   | 1        |                         |                                       | ·- · · · · |   |          |           |          | <u> </u> |
|       | 6266 MADELINE ST 70  | 5629162 |          |          |            |      |         |   | 1        |                         |                                       |            |   |          |           |          |          |
|       | 6266 MADELINE ST 71  | 5629163 |          |          |            |      |         |   |          |                         |                                       |            |   |          | -         | i        |          |
|       | 6266 MADELINE ST 72  | 5629183 | 1-3"     | 3        | U1P-#2     | 64   | RD4-103 | 169-254                                 | Y        | 400                     | MR                                    | CC         | Wire out to the West wall At Ex. Mtr        | Y        | 5         | 43       | 1        |
|       | 6266 MADELINE ST 73  | 5629184 |          |          |            |      |         |   | 1        |                         |                                       |            |   |          |           | ł        | 1        |
|       | 6266 MADELINE ST 74  | 5629185 |          | 1        | 1          |      |         |   | 1        | 1                       | 1                                     |            |   | 1        |           |          | 1        |
| 1     | 6266 MADELINE ST 75  | 5268183 |          |          | 1          |      |         |   | 1        |                         |                                       | · · ·      | 1   |          |           |          | 1        |
|       | 6266 MADELINE ST 76  | 5522873 |          |          | <u> </u>   |      |         |   | 1        |                         |                                       | <u> </u>   |   |          |           | <u> </u> | +        |
|       | 6266 MADELINE ST 77  | 5522872 |          |          |            |      |         |   | <u> </u> | <del> </del>            |                                       |            |   |          |           |          | +        |
|       | 6266 MADELINE ST 78  | 5629159 |          | +        | ···        |      | 1       |   |          |                         |                                       |            |   | 1        |           |          |          |
|       | 6266 MADELINE ST 79  | 5629160 |          |          |            |      |         |   |          |                         |                                       |            |   | +        |           |          | +        |
|       |                      |         |          |          | h          |      |         | ·                                       |          | <u> </u>                |                                       |            |   | 1        |           |          | +        |
|       | 6266 MADELINE ST 80  | 5629138 |          |          |            |      |         |   |          | ļ                       |                                       |            |   |          |           | <u> </u> | _        |
|       | 6266 MADELINE ST 81  | 5629139 |          | <u> </u> |            |      |         |   |          | <u> </u>                |                                       |            |   |          |           |          | _        |
|       | 6266 MADELINE ST 82  | 5629161 |          |          |            |      |         |   |          |                         |                                       |            |   |          | · · ·     |          |          |
|       | 6266 MADELINE ST 83  | 5522870 |          |          |            |      |         |   |          |                         |                                       |            |   |          | :         | 1        |          |
|       | 6266 MADELINE ST 84  | 5522871 |          |          |            |      |         |   |          |                         |                                       |            |   | i i      |           | 1        |          |
|       | 6266 MADELINE ST 85  | 5629182 |          |          | 1          |      |         |   |          |                         |                                       |            |   | 1        |           |          |          |
|       | 6266 MADELINE ST HM  | 5629158 |          |          |            |      |         |   |          | 1                       |                                       |            |   |          |           |          | 1        |
|       | 6266 MADELINE ST HM  | 5629108 | 1-3"     | 3        | U1P-#2     | 22   | RD4-103 | 169-254                                 | I Y I    | 400                     |                                       | PC         | Wire out West Wall South of Ex. Mtr         | Y        | 5         |          |          |
|       | 6266 MADELINE ST 86  | 5522941 |          | ┼╍╌╌╸    |            |      |         |   | 1 ·      |                         | l                                     | · •        |   |          |           | i .      | +        |
|       | 6266 MADELINE ST 87  | 6569029 | <u> </u> |          |            |      |         |   | 1        |                         |                                       |            |   | -        |           |          | +        |
|       | 6266 MADELINE ST 88  | 5629117 |          |          | <u> </u>   |      |         |   |          |                         |                                       |            |   |          |           |          | +        |
|       | 6266 MADELINE ST 89  | 5629116 |          | +        | <u> </u>   |      |         |   |          |                         | <u> </u>                              |            |   | +        |           | <u> </u> | +        |
|       |                      |         |          |          | <u> </u>   |      |         |   |          | ┢───                    |                                       |            | 1   |          | <u> </u>  |          | +        |
|       | 6266 MADELINE ST 90  | 5522896 |          |          |            |      |         |   | <b> </b> | L                       | ļ                                     |            | · · · · · · · · · · · · · · · · · · ·       | 4        |           | ļ        | +        |
|       | 6266 MADELINE ST 91  | 5522895 | L        |          |            |      |         |   |          |                         |                                       |            |   | <u> </u> |           |          | 4        |
|       | 6266 MADELINE ST 92  | 5629155 |          |          |            |      |         |   |          |                         |                                       |            |   |          | · ·       |          |          |
|       | 6266 MADELINE ST 93  | 5629156 |          |          |            |      |         |   |          |                         |                                       |            |   |          |           |          |          |
|       | 6266 MADELINE ST 94  | 5629157 |          |          |            |      |         |   |          |                         |                                       |            |   |          |           |          |          |
| T     | 6266 MADELINE ST 95  | 5629154 |          |          |            |      |         |   |          |                         |                                       |            |   |          |           |          | T        |
|       | 6266 MADELINE ST 96  | 5522894 |          | T        |            |      |         |   |          |                         |                                       |            |   |          |           |          | T        |
|       | 6266 MADELINE ST 97  | 5522897 | 1        | <u> </u> |            |      |         |   |          | <u> </u>                |                                       |            | 1   | 1        | · · ·     |          | 1        |
|       | 6266 MADELINE ST 98  | 5629115 | 1        | <u> </u> | ····       |      |         | í — — — — — — — — — — — — — — — — — — — |          |                         |                                       |            |   | 1        | 1         | 1        | +        |
|       | 6266 MADELINE ST 99  | 5629114 | 1        |          |            |      |         |   |          |                         |                                       |            |   |          | <u> </u>  |          | +        |
|       | 6266 MADELINE ST 100 | 5522938 |          | +        |            |      |         |   |          |                         |                                       | <u> </u>   |   |          |           |          | +        |
|       |                      |         |          |          | -          |      |         |   |          |                         |                                       | ŧ.         |   | +        | <u> </u>  |          | +        |
|       | 6266 MADELINE ST 101 | 5522940 |          | <u> </u> |            |      |         |   |          |                         |                                       |            |   |          | 1         |          | _        |
|       | 6271 MADELINE ST 137 | 5628893 | 1-3"     | 3        | U1P1/0     | 47   | RD4-111 | 169-255                                 | Y        | 400                     | MR                                    | PC         | Wire out to West wall North of Existing Mtr | Y        | 1 .       | 60       |          |
|       | 6271 MADELINE ST 138 | 5628891 |          |          | L          |      |         |   |          |                         |                                       | ·          |   |          | 1         |          |          |
|       | 6271 MADELINE ST 139 | 5628909 |          |          | 1          |      |         |   |          |                         |                                       |            |   |          | 1         |          |          |
| - 1   | 6271 MADELINE ST 140 | 6230657 |          | 1        | 1          |      |         |   |          |                         |                                       | 1          |   | 1        | 1         |          | T        |

| EXISTAIC      | PROPERTYADDRESS      | MIR#2   | COND.    | NO WIRES | 111P 42  | CABLES      | OLDOFMR  | MAXERMER                                | 2ND/2<br>STRT | MAI      | swe here | Vorsilie              | RCIOCATION Statements                     | RETWALL | DIRT/LAND | ASPH     | XCESTIG                                       |
|---------------|----------------------|---------|----------|----------|----------|-------------|----------|---|---------------|----------|----------|-----------------------|---|---------|-----------|----------|---|
| WORKS AND ADD | 6271 MADELINE ST 141 | 5628883 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 142 | 5625201 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          | ļ   |
|               | 6271 MADELINE ST 143 | 5625199 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 144 | 5628885 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 145 | 5628884 |          |          | 1        |             |          |   |               |          |          |                       |   |         |           |          | ļ   |
| L             | 6271 MADELINE ST 146 | 5625198 |          |          |          |             |          |   |               |          |          |                       |   |         |           | · .      | ļ   |
|               | 6271 MADELINE ST 147 | 5628882 |          |          | <u> </u> |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 148 | 5628906 | 1        | 1        |          |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 149 | 5628908 | 1        |          |          |             |          |   |               | 1        |          |                       |   |         |           |          | <u> </u>                                      |
|               | 6271 MADELINE ST 150 | 5628890 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          | ļ   |
| _             | 6271 MADELINE ST 151 | 5628892 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          | <u> </u>                                      |
|               | 6271 MADELINE ST 152 | 5625225 | 1        |          | <u> </u> |             |          |   |               |          |          |                       |   |         |           |          | i   |
|               | 6271 MADELINE ST HM  | 5625200 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          | L   |
|               | 6271 MADELINE ST 153 | 5628874 | 1-3"     | 3        | U1P-#2   | 48          | RD4-111  | 169-255                                 | Y             | 400      | MR       | PC                    | On the West wall East of Existing Meter   | Y.      | 15        | 15       | 10  |
|               | 6271 MADELINE ST 154 | 5628876 |          |          | 1        |             |          |   | <u> </u>      |          |          |                       |   |         |           |          | L   |
|               | 6271 MADELINE ST 155 | 5628850 |          | 1        | · · · ·  |             |          |   |               | 1        |          |                       |   | 1       |           |          | <u> </u>                                      |
|               | 6271 MADELINE ST 156 | 5628852 |          | 1        | <u> </u> |             |          |   | 1             |          |          |                       |   | 1       |           |          | l   |
|               | 6271 MADELINE ST 157 | 5628830 | 1        | 1        | 1        |             |          |   | 1             | 1        |          |                       |   |         |           |          | L   |
| <u> </u>      | 6271 MADELINE ST 158 | 5628832 | 1        |          |          |             | · · · ·  |   | T T           |          |          |                       |   |         |           |          | L   |
| <u> </u>      | 6271 MADELINE ST 159 | 5628870 | 1        | 1        | 1        |             |          |   |               |          |          |                       |   |         |           |          |   |
|               | 6271 MADELINE ST 160 | 5628872 | 1.       | 1        |          |             | [        |   |               |          |          |                       | <u> </u>                                  | 1       |           |          | ļ   |
|               | 6271 MADELINE ST 161 | 5628900 | 1        | 1        | 1        |             | 1        | · · · · · · · · · · · · · · · · · · ·   |               |          |          |                       |   |         |           |          | ļ   |
|               | 6271 MADELINE ST 162 | 5628875 |          |          |          |             | 1        |   |               |          |          |                       |   |         |           |          | -   |
|               | 6271 MADELINE ST 163 | 5628901 |          |          | 1        | -           |          |   | <u> </u>      | l        |          |                       |   |         |           |          | <u>i</u>                                      |
|               | 6271 MADELINE ST 164 | 5628877 |          |          | 1        |             |          |   |               |          |          |                       |   |         |           |          | Ļ   |
|               | 6271 MADELINE ST 165 | 5628851 |          |          | 1        |             |          |   | 1             | 1        |          |                       |   |         |           |          | 1   |
|               | 6271 MADELINE ST 166 | 5628853 |          | 1        | 1        |             |          |   |               | 1        |          |                       |   |         |           |          | <b></b>                                       |
| <u> </u>      | 6271 MADELINE ST 167 | 5628831 | 1        |          |          | · · ·       |          |   |               |          |          |                       |   |         |           |          |   |
| <u> </u>      | 6271 MADELINE ST 168 | 5628833 |          |          |          |             |          |   | 1             | 1        |          |                       |   |         |           |          | Ļ   |
|               | 6271 MADELINE ST 169 | 5628871 | 1        |          |          |             |          |   | 1             | 1        |          |                       |   |         |           |          | L   |
|               | 6271 MADELINE ST 170 | 5628899 |          |          |          |             |          |   |               |          |          |                       |   |         |           |          | L   |
|               | 6271 MADELINE ST HM  | 5628898 |          |          |          |             |          |   | Г             |          |          | 1                     |   |         |           |          |   |
|               | 6210 1/2 STANLEY AVE | 5625294 | 1-3"     | 3        | U1P13/0  | 41          | 169-173  | 343-141                                 | Y             | 100      | MR       | PC                    | Wire out to East wall South of ex. Mtr    |         |           | 16       | 4   |
|               | 6210 STANLEY AVE     | 5627278 | <u> </u> |          | 1        |             |          |   | <u> </u>      |          |          |                       |   |         |           |          |   |
|               | 6212 1/2 STANLEY AVE | 5625297 | · ·      |          | 1        |             |          |   | <u> </u>      |          |          | 1                     |   |         |           |          |   |
|               | 6212 STANLEY AVE     | 5725730 |          |          | 1        | · · · · · · |          |   | <u> </u>      |          |          | Í                     |   |         |           |          |   |
|               | 6211 STANLEY AVE A   | 5627038 | 1-3"     | 3        | U1P#2    | 47          | 169-133  | 343-140                                 | Ŷ             | 100      | MR       | PC                    | South Wall approx, 10' East of S/W corner | 1       |           | 20       | 17  |
| · · ·         | 6211 STANLET AVE B   | 5627040 |          | °        | 011-772  |             | 100-100  | 010-310                                 | <u>  ·</u>    |          |          | <u> </u>              |   |         |           |          |   |
|               | 6211 STANLEY AVE C   | 5627039 |          | +        |          |             |          | 41.5                                    |               |          |          |                       |   |         |           |          |   |
| <b>—</b> —    | 6211 STANLEY AVE D   | 5627055 | +        | +        |          | l           | - ··     |   | 1             | 1        |          | 1                     |   |         | 1         |          |   |
| <u> </u>      | 6211 STANLEY AVE D   | 5627063 |          | +        | +        |             | 1        |   | 1             | 1        |          | 1                     |   |         |           |          |   |
| <u> </u>      | 6211 STANLEY AVE F   | 5627063 | 1        |          |          |             |          |   | 1             | 1        | 1        | <u> </u>              |   |         |           |          | <u> </u>                                      |
|               | 6211 STANLEY AVE G   | 5625625 |          |          |          |             | -        |   | 1             | 1        |          | · ·                   |   |         |           |          |   |
|               | 6211 STANLEY AVE G   | 5625623 |          |          |          |             | 1        | + · · · · · · · · · · · · · · · · · · · | <u> </u>      | 1        | 1        | · ·                   |   |         |           |          |   |
| <u> </u>      | 6211 STANLEY AVE HM  | 5627062 | +        |          | 1        |             | 1        | 1                                       |               | 1        | 1        | 1                     |   |         |           |          |   |
|               |                      | 5818534 | 1-3"     | 3        | U1P13/0  | 27          | 169-173  | 343-141                                 | Y             | 200      | MR       | PC                    | Wire out to West wall South of ex. Mtr.   |         | 1         | 10       | 4   |
|               | 6214 STANLEY AVE     | 5627279 | + 120    |          | Joir Ian | <u> </u>    | 1.00-110 |   | + -           | 1-200    |          | + <b>`</b>            |   |         | 1         | Ì        | 1   |
|               | 6216 STANLEY AVE     | 5627281 | +        | <u> </u> | 1.       |             |          | +                                       | 1             | <u> </u> | 1        | <u> </u>              |   |         |           | i        | <u> </u>                                      |
| <b></b>       | 6218 STANLEY AVE     | 5627280 | +        | +        | +        |             | 1        | +                                       | 1             | +        | 1        | 1                     |   | 1       |           |          | -   |
|               | 6220 STANLEY AVE     |         | 4 00     | 3        | U1P#2    | 62          | 169-133  | 343-140                                 | 1             | 100      | MR       | PC                    | Wire out to South Wall West of ex. Mtr    | 1       |           | 20       | 7   |
| <u> </u>      | 6219 STANLEY AVE     | 5627016 | 1-3"     | 3        | UIP=#2   |             | 108-133  | 343-140                                 | 1             | - 100    | L MM     | <u>+ '</u> , <u>∼</u> | The out to count vide troot of out into   | ·       |           |          | í   |
| <u> </u>      | 6219 STANLEY AVE 1   | 5625532 |          |          | +        | +           |          |   | -             |          |          | +                     | · · · · · · · · · · · · · · · · · · ·     |         |           | 1        | <u> </u>                                      |
|               | 6219 STANLEY AVE 2   | 5625530 |          |          | +        |             |          |   | -             | 1        |          |                       |   |         |           |          | <u>                                      </u> |
|               | 6219 STANLEY AVE 3   | 5520535 |          | +        | +        | <u> </u>    |          |   | +             | +        |          |                       |   |         | 1         | 1        | <u> </u>                                      |
|               | 6219 STANLEY AVE 4   | 5625624 |          |          |          | <u> </u>    | -        | ·                                       |               |          |          |                       | ······································    | -       | 1         | 1        | t   |
|               | 6219 STANLEY AVE 5   | 5625623 |          | _        |          |             | <u> </u> |   | +             | -        |          | +                     | ·····                                     |         |           | <u> </u> | 1.  |
| 1             | 6219 STANLEY AVE 6   | 5627014 |          |          |          |             | I        | <u> </u>                                | <u> </u>      |          | 1        |                       |   |         | 1         | L        |   |

| EXIST UC. | Service PROPERTY ADDRESS AND THE         | MIRBANNA           | CONDUCT ON D  | NO WIRES                  | 019.425   | CABLE          | OLD XEMR                           | NW XPRMER | 240        | A BOMAN | (SVAL AU                | L.PC.S.        | IC LOGATON THE TRADE OF THE STATE OF THE STATE OF THE | RET VIALL | DIRTILAND | ASP 4    | ACESFIC        |
|-----------|--|--------------------|---------------|---------------------------|---|----------------|------------------------------------|-----------|------------|---------|-------------------------|----------------|---|-----------|-----------|----------|----------------|
|           | 6219 STANLEY AVE 7                       | 5627015            | SIZE A        | Contraction of the second | Constant of the second s | Woldst Million | SPECIES AND MAKES                  |           | SIRT       |         | nderson finder der<br>1 | East of Carton |   |           |           |          | Burger Manager |
| <u> </u>  |  | 5627017            |               |                           |   |                |                                    |           |            |         |                         | <u> </u>       |   |           |           |          |                |
|           | 6219 STANLEY AVE 8                       |                    | 1.07          | <u> </u>                  | 1140.40   | DC             | 400 400                            | 810 110   |            | (00     | 210                     |                | NATION AND AND AND AND AND AND AND AND AND AN         |           | · · · · · | 00       | <u> </u>       |
|           | 6225 STANLEY AVE<br>6225 STANLEY AVE 1   | 5625531<br>5626991 | 1 <b>-3</b> " | 3                         | U1P-#2  | 65             | 169-133                            | 343-140   | <u>  Y</u> | 100     | MR                      | PC_            | Wire out to South Wall West of ex. Mtr                |           |           | 29       | 9              |
|           | 6225 STANLET AVE 1                       | 5626992            |               | <u> </u>                  | <u> </u>  |                |                                    |           |            |         |                         |                |   | <u> </u>  | · · · ·   |          | <u> </u>       |
|           | 6225 STANLEY AVE 3                       | 6230656            |               |                           |   |                |                                    |           | -          |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6225 STANLET AVE 5                       | 5626993            |               |                           |   |                |                                    |           |            |         |                         | 1              |   |           |           |          | ┝───           |
|           |  | 5627070            |               |                           |   | -              |                                    |           | +          |         |                         | 1              |   |           |           |          |                |
|           | 6225 STANLEY AVE 5                       | 5627070            |               |                           |   |                |                                    |           | -          |         |                         | <u> </u>       |   |           |           |          | ┝───           |
|           | 6225 STANLEY AVE 6<br>6225 STANLEY AVE 7 |                    |               |                           | +   |                |                                    |           |            |         |                         |                |   |           |           |          | <u> </u>       |
|           |  | 5627072            |               |                           |   |                |                                    |           | -          |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6225 STANLEY AVE 8                       | 5627073            | 4.0           | <u> </u>                  | 1/45400   | 07             | 400 470                            | 040 444   | +          | 400     | MD                      |                | Mine and the English of the Min                       |           |           | 10       | <u> </u>       |
|           | 6222 STANLEY AVE                         | 5631790            | 1-3"          | 3                         | U1P13/0   | 27             | 169-173                            | 343-141   | 1 *        | 100     | MR                      | PC             | Wire out to East wall South of ex. Mtr                |           |           | 10       | 5              |
|           | 6224 STANLEY AVE                         | 5625546            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6226 STANLEY AVE                         | 5625549            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | ───            |
| <u> </u>  | 6228 1/2 STANLEY AVE                     | 5625533            |               |                           |   |                |                                    |           | -          | -       |                         |                |   |           |           |          | <u> </u>       |
| L         | 6228 STANLEY AVE                         | 5631793            |               |                           | 111.0   |                |                                    | *** ***   | _          |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6230 STANLEY AVE                         | 5625548            | 1-3"          | 3                         | U1P13/0   | 30             | 169-173                            | 343-141   |            | 400     | MR                      | <u> </u>       | Wire out West Wall at ex, Mtr                         |           |           | 5        | Ļ              |
|           | 6232 STANLEY AVE                         | 5625547            |               |                           | <b> </b>  |                |                                    |           |            | L       | <u> </u>                |                | 1   |           |           |          | <u>{</u>       |
|           | 6234 STANLEY AVE                         | 5627295            |               |                           |   |                |                                    |           | 1          | [       | ļ                       |                |   |           |           |          | <b></b>        |
|           | 6236 1/2 STANLEY AVE                     | 5627297            |               | L                         |   |                |                                    |           | 1          |         |                         |                |   |           | ·         |          | <u> </u>       |
|           | 6236 STANLEY AVE                         | 6588319            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6235 STANLEY AVE HM                      | 5112467            | 1-3"          | 3                         | U1P-#2  | 48             | 169-133                            | 343-140   | Y          | 100     | MR                      | PC             | Wire out to South WALL West of ex. Mtr                | ļ         |           | 9        | 6              |
|           | 6235 STANLEY AVE 1                       | 5522925            |               |                           |   |                |                                    |           |            | ļ       |                         | ļ              |   | <u> </u>  |           | <u> </u> | $\vdash$       |
|           | 6235 STANLEY AVE 2                       | 5522900            |               |                           | <u> </u>  |                |                                    |           |            |         |                         | ļ              |   |           |           |          | Ļ              |
|           | 6235 STANLEY AVE 3                       | 5522899            |               |                           | <u> </u>  |                |                                    |           |            |         |                         |                |   |           |           |          | Ļ              |
|           | 6235 STANLEY AVE 4                       | 5522901            |               |                           | <u>i</u>  |                |                                    |           |            |         |                         | 1              |   |           |           |          |                |
|           | 6235 STANLEY AVE 5                       | 5522898            | 1             |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | L              |
|           | 6235 STANLEY AVE 6                       | 5522924            |               |                           |   |                |                                    |           |            |         |                         | <b></b>        |   |           | :         |          | <u> </u>       |
|           | 6235 STANLEY AVE 7                       | 5522923            |               |                           |   |                |                                    |           | ļ          |         |                         |                |   |           |           |          | L              |
|           | 6235 STANLEY AVE 8                       | 5522922            |               |                           |   |                | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |           |            |         |                         |                |   |           |           |          |                |
|           | 6235 STANLEY AVE 9                       | 5520473            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | <u> </u>       |
|           | 6235 STANLEY AVE 10                      | 5520472            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6240 STANLEY AVE                         | 5627294            | 1-3"          | 3                         | U1P-#2  | 50             | 169-173                            | 430-306   | Y          | 100     | MR                      | PC             | West Wall South of Ex. Mtr                            |           |           | 25       | 4              |
|           | 6242 STANLEY AVE                         | 5625507            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6244 STANLEY AVE                         | 5625506            |               | L                         |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6246 STANLEY AVE HM                      | 5625508            |               |                           |   |                |                                    |           |            | ļ       |                         |                |   |           | -         |          |                |
|           | 6246 STANLEY AVE HM                      | 5625509            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE                         | 5630831            | 1-3"          | 3                         | U1P1/0  | 115            | 169-133                            | 343-140   | Y          | 100     | MR                      | PC             | Wire out to South wall S/E corner                     |           |           | 17       | 21             |
|           | 6245 STANLEY AVE K                       | 5541231            |               |                           |   |                |                                    |           |            |         |                         | L              |   |           |           |          |                |
|           | 6245 \$TANLEY AVE L                      | 5541232            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE M                       | 5630830            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE N                       | 5630832            |               |                           |   |                |                                    |           |            |         |                         |                |   | <u> </u>  | L         |          |                |
|           | 6245 STANLEY AVE O                       | 5630833            |               |                           |   |                |                                    |           | 1          |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE A                       | 5520470            | 1-3"          | 3                         | U1P1/0  | 98             | 169-133                            | 343-140   | Y          | 100     | MR                      | PC             | Wire out to West wall S/W comer                       |           |           | 28       | 18             |
|           | 6245 STANLEY AVE B                       | 5520471            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          | L              |
|           | 6245 STANLEY AVE P                       | 5520526            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 \$TANLEY AVE Q                      | 5520527            |               |                           |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE R                       | 5520504            |               |                           |   |                |                                    |           |            |         | 1                       |                |   |           |           |          |                |
|           | 6245 STANLEY AVE S                       | 5520505            |               |                           |   |                |                                    |           |            |         | 1                       |                |   | 1         |           |          |                |
|           | 6245 STANLEY AVE T                       | 5520528            |               |                           |   |                |                                    |           |            |         | 1                       |                |   |           |           |          | 1              |
|           | 6245 \$TANLEY AVE U                      | 5520529            |               |                           |   |                |                                    |           |            |         | 1                       |                |   |           |           |          |                |
|           | 6245 STANLEY AVE V                       | 5520503            |               | 1                         |   |                |                                    |           |            |         |                         |                |   |           |           |          |                |
|           | 6245 STANLEY AVE W                       | 5520502            |               | 1                         | T   |                |                                    |           |            |         | 1                       |                | 1   |           |           |          | 1              |
|           | 6245 STANLEY AVE C                       | 5520455            | 1-3"          | 3                         | U1P13/0   | 186            | 169-133                            | 343-140   | Y          | 100     | MR                      | PC             | Wire out to East wall S/E comer                       |           |           | 50       | 16             |
|           | 6245 \$TANLEY AVE D                      | 5520454            | 1             |                           | T   |                |                                    |           | 1          |         | 1                       |                | 1   |           |           |          | F              |
|           | 6245 STANLEY AVE E                       | 5520456            | 1             | 1                         | <b>1</b>  |                |                                    |           |            |         | 1                       |                |   |           |           |          |                |

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|------------|-------------------------|---------|-----------|---|--|--------------|-----------------|---------------------------------------|--------------|----------------------|--------------|-----------------|---|-------------|--|-----------|-----------------|
| I EXISTERS |                         |         |           | NO MIRES  |  | <b>CITHE</b> | OF DIXEMR       | NW APPLER SAX                         | STRY         |                      | States       | Constant of the |   | REFLORATION | DR: LANCE                              | CONCER    | References El G |
|            | 6245 STANLEY AVE F      | 5520457 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6245 STANLEY AVE G      | 5520481 |           |   |  |              | 1 1             |                                       |              |                      |              |                 |   | [`]         |  |           |                 |
|            | 6245 STANLEY AVE H      | 5520480 |           |   |  |              |                 |                                       |              |                      |              | -               |   |             |  |           |                 |
|            | 6245 STANLEY AVE I      | 5520478 |           |   | 1  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6245 STANLEY AVE J      | 5520479 |           | 1   |  |              | T               |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6250 1/2 STANLEY AVE    | 5631792 | 1-3"      | 3   | U1P-#2                                       | 31           | 169-173         | 430-306                               |              | 400                  | MR           | CC              | Wire out to North Wall N/W Corner                     |             |  | 12        |                 |
|            | 6250 STANLEY AVE        | 5631791 |           |   |  |              |                 |                                       | 1            |                      |              |                 |   |             |  |           |                 |
|            | 6252 1/2 STANLEY AVE    | 5627323 |           |   |  |              | 1 1             |                                       | 1            | 1                    |              |                 |   |             |  |           |                 |
|            | 6252 STANLEY AVE        | 5627322 |           | í   |  |              |                 |                                       |              |                      |              |                 |   |             | 1                                      |           |                 |
|            | 6252 1/2 STANLEY AVE HM | 5627325 | 1-3"      | 3   | U1P-#2                                       | 79           | 169-173         | 430-306                               |              | 400                  | MR           | PC.             | Wire out to North Wall N/E Comer                      | 1           | [ !                                    | 22        | 6               |
|            | 6254 1/2 STANLEY AVE    | 5627341 | 1         |   |  |              |                 |                                       |              | 1                    |              |                 |   |             |  |           |                 |
|            | 6254 STANLEY AVE        | 5627324 | 1         |   |  |              |                 |                                       |              |                      |              |                 |   | 1           |  |           |                 |
|            | 6256 1/2 STANLEY AVE    | 5627338 | 1         |   | 1  |              | 1 1             |                                       | 1            | 1                    |              |                 |   |             |  |           |                 |
|            | 6256 STANLEY AVE        | 5627339 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             | <u> </u>                               |           | 1               |
|            | 6258 1/2 STANLEY AVE    | 5627353 | 1-3"      | 3   | U1P-#2                                       | 47           | 169-173         | 430-306                               | Ţ            | 400                  | MR           | PC PC           | Wire out to North Wall Approx. 6' East of N/W corner  | [· · · ·    |  | 29        | 8               |
|            | 6258 STANLEY AVE        | 5627350 |           |   |  |              |                 |                                       |              |                      |              | ["-             |   |             |  |           | †               |
|            | 6260 1/2 STANLEY AVE    | 5627352 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6260 STANLEY AVE        | 5627351 |           |   |  |              | 1               |                                       |              |                      |              |                 | · · · · · · · · · · · · · · · · · · ·                 |             |  |           |                 |
|            | 6262 1/2 STANLEY AVE    | 5627329 | 1-3"      | - 3   | U1P-#2                                       | 64           | 169-173         | 430-306                               |              | 400                  | MR           | CC              | Wire out to North Wall N/E corner                     |             | , , , , , , , , , , , , , , , , , , ,  | 46        |                 |
|            | 6262 STANLEY AVE        | 5627326 |           |   | 1  |              |                 | 13 1                                  | +            |                      |              |                 |   |             |  |           |                 |
|            | 6264 1/2 STANLEY AVE    | 5627327 |           |   | 1  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6264 STANLEY AVE        | 5627328 |           |   |  |              |                 |                                       | 1            |                      |              |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE        | 5520475 | 1-3"      | 3   | U1P1/0                                       | 115          | RD4-178         | 169-258                               | Y            | 225                  | MR           | PC              | Wire out to East wall S/E corner                      |             | 14                                     |           | 8               |
|            | 6295 STANLEY AVE 1      | 5541233 | ,         |   | 011 110                                      |              | 112-11-0        |                                       | <u> </u>     |                      |              |                 |   |             | · · · · · ·                            |           |                 |
|            | 6295 STANLEY AVE 10     | 5520474 |           |   |  |              |                 |                                       | +            |                      |              |                 | · · · · · · · · · · · · · · · · · · ·                 |             |  |           |                 |
|            | 6295 STANLEY AVE 11     | 5520524 |           |   | <u>                                     </u> |              | 1               |                                       | +            |                      | ·            | <u>}</u>        |   |             | ,                                      |           |                 |
|            | 6295 STANLEY AVE 12     | 5520476 |           |   |  |              | 1               |                                       |              | <u> </u>             |              | <u> </u>        |   | ,           | · · · · · ·                            |           |                 |
|            | 6295 STANLEY AVE 13     | 5520522 | 1         |   |  |              |                 | · · · · · · · · · · · · · · · · · · · | 1            |                      |              |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE 2      | 5520501 |           |   |  |              |                 |                                       |              | 1                    |              |                 |   | 1           | · · · · ·                              |           |                 |
|            | 6295 STANLEY AVE 3      | 5520500 | í –       |   |  |              |                 |                                       | 1            |                      | 1            |                 |   | ļ,          | -                                      |           |                 |
|            | 6295 STANLEY AVE 4      | 5520525 |           |   | +  |              | 1               |                                       |              |                      | 1            |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE 5      | 5520499 | · · · · · |   |  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE 6      | 5520498 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE 7      | 5541230 |           |   |  | -            |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6295 STANLEY AVE 8      | 5520477 |           |   | 1  |              | 1               |                                       |              |                      |              |                 |   |             |  |           | 1               |
|            | 6295 STANLEY AVE 9      | 5520523 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             | l                                      |           |                 |
|            | 6305 STANLEY AVE 1      | 5625307 | 1-3"      | 3   | U1P-#2                                       | 72           | RD4-178         | 169-258                               | Ý            | 150                  | MR           | PC              | Wire out to South Wall S/W comer aove ex. Mtr cabinet |             | 3                                      | 14        | 2               |
|            | 6305 STANLEY AVE 10     | 5625284 |           |   | 1  |              |                 |                                       | T            |                      |              |                 |   |             | · · · · · ·                            |           |                 |
|            | 6305 STANLEY AVE 11     | 5625283 | 1         |   | 1  |              |                 |                                       |              |                      |              |                 |   | -           |  |           |                 |
|            | 6305 STANLEY AVE 12     | 5625308 |           |   |  |              |                 |                                       |              |                      |              |                 |   |             |  |           |                 |
|            | 6305 STANLEY AVE 13     | 5541209 |           |   |  |              |                 |                                       |              |                      |              |                 |   | <u> </u>    | Ľ                                      |           | <b> </b>        |
|            | 6305 STANLEY AVE 14     | 5625355 |           | T   |  |              |                 |                                       |              |                      |              |                 |   | <u> </u>    |  |           | <u> </u>        |
|            | 6305 STANLEY AVE 15     | 5625354 |           |   |  |              |                 |                                       | 1            |                      |              |                 |   | <u> </u>    | <u> </u>                               |           | <u> </u>        |
|            | 6305 STANLEY AVE 16     | 5625356 |           |   |  |              |                 |                                       | 1            | 1                    |              |                 |   | L           | ļ'                                     |           |                 |
|            | 6305 STANLEY AVE 2      | 5625333 |           |   |  |              |                 |                                       |              |                      | 1            | 1               |   | <u> </u>    | 'ســــــــــــــــــــــــــــــــــــ |           | <u> </u>        |
|            | 6305 STANLEY AVE 3      | 5625330 |           | 1   |  |              |                 |                                       |              |                      |              |                 |   | 4           | ļ                                      |           | <u> </u>        |
|            | 6305 STANLEY AVE 4      | 5625332 |           |   |  |              |                 |                                       |              | 1                    |              |                 |   | <u> </u>    | ļ                                      |           |                 |
|            | 6305 STANLEY AVE 5      | 5625285 |           |   |  |              |                 |                                       | 1            |                      |              |                 |   | '           | <b>└</b> ·───                          |           |                 |
|            | 6305 STANLEY AVE 6      | 5625282 |           |   |  |              |                 |                                       |              | ļ                    | Ļ            |                 |   |             | ļ                                      | ļ         | <b> </b>        |
|            | 6305 STANLEY AVE 7      | 5625309 |           |   |  |              | 1               |                                       |              |                      | [            | L               |   | <u> </u>    | <u> </u>                               | L         | <del> </del>    |
|            | 6305 STANLEY AVE 8      | 5625306 |           |   |  |              |                 |                                       | _            |                      |              | L               |   | <u></u>     | L                                      |           | <u> </u>        |
|            | 6305 STANLEY AVE 9      | 5625357 |           |   |  |              |                 |                                       |              |                      |              | <u> </u>        |   | <u> </u>    | <u> </u>                               | · · · · · |                 |
|            | 6305 STANLEY AVE HM     | 5625331 |           |   |  |              | 1               |                                       |              |                      |              | Ľ               |   | <u> </u>    | <u></u>                                |           | <u> </u>        |
|            | 6372 STANLEY AVE        | 5528124 | 1-3"      | 3   | U1P-#2                                       | 49           | RD2-7           | 343-156                               |              | 100                  | ŞR           |                 | Wire out to East wall beyond ex mtr                   |             | 18                                     | 5         | 9               |
|            | 6377 STANLEY AVE        | 5523667 | 1-3"      | 3   | U1P-#2                                       | 61           | RD2-7           | 343-156                               |              | 100                  | SR           | MA              | LHA Wire out to West wall at ex mtr                   | 1           | 31                                     | 1         |                 |
|            | 6378 STANLEY AVE        | 5541265 | 1-3"      | 3   | U1P-#2                                       | 43           | RD2-7           | 343-156                               |              | 100                  | SR           | MA              | LHA Wire out to West wall S/W corner                  | +           |  | 20        |                 |

| EXIST UG | PROPERTYADDRESS                                | MTR#               | SIZE     | NO, WIRES | JU18-#2 | CABLE      | OLDXEMR          | NUCXFRMER          | 285)<br>Surak | MAD  | ISME /// | PC         | PCLOCATON  | RETWALE | NRT/LAND | ASPB. | KCES FTG |
|----------|--|--------------------|----------|-----------|---------|------------|------------------|--------------------|---------------|------|----------|------------|--|---------|----------|-------|----------|
|          | 6383 STANLEY AVE                               | 5541205            | 1-3"     | 3         | U1P-#2  | 40         | RD2-7            | 343-156            |               | 100  | SR       | PC         | Wire out to East wall North East corner            |         | 26       |       | 15       |
|          | 6384 STANLEY AVE                               | 5528123            | 1-3"     | 3         | U1P-#2  | 33         | RD2-7            | 343-156            |               | 100  | SR       | PC         | Wire out to East wall S/E corner                   |         | 20       |       | 10       |
|          | 6389 STANLEY AVE                               | 5541202            | 1-3"     | 3         | U1P-#2  | 50         | RD2-7            | 343-156            |               | 100  | SR       | PC         | Wire out to West wall beyond ex mtr                |         | 1        | 23    |          |
|          | 6390 STANLEY AVE                               | 5541262            | 1-3"     | 3         | U1P#2   | 48         | RD2-7            | 343-156            |               | 100  | SR       | CC         | Wire out to West wall S/W corner                   | 1       |          | 25    | [        |
|          | 6395 STANLEY AVE                               | 5541203            | 1-3"     | 3         | U1P#2   | 153        | RD2-7            | 343-156            |               | 100  | SR       | PC         | Wire out to North wall N/W corner                  |         | 20       |       | 15       |
|          | 6396 STANLEY AVE                               | 5528125            | 1-3"     | 3         | U1P-#2  | 38         | RD2-7            | 169-267            |               | 100  | SR       | PC         | Wire out to East wall beyond ex mtr                |         | 24       |       | 6        |
|          | 6404 STANLEY AVE                               | 5528122            | 1-3"     | 3         | U1P-#2  | 49         | RD2-7            | 169-267            |               | 100  | SR       | PC         | Wire out to West wall beyond ex mtr                |         | 25       | 5     | 4        |
|          | 6409 STANLEY AVE                               | 5505075            | 1-3"     | 3         | U1P#2   | 143        | RD2-7            | 169-267            |               | 100  | SR       | PC         | Wire out to West wall N/W corner                   |         | 20       |       | 24       |
|          | 6410 STANLEY AVE                               | 5541750            | 1-3"     | 3         | U1P-#2  | 57         | RD2-56           | 169-267            |               | 100  | SR       | PC         | Wire out to East wall S/E corner                   | 1 í     | 24       | 10    | 4        |
|          | 6416 STANLEY AVE                               | 6438169            | 1-3"     | 3         | U1P-#2  | 56         | RD2-56           | 169-267            |               | 100  | SR       | PC         | Wire out to West wall S/W corner                   | i       | 33       |       | 14       |
|          | 6421 STANLEY AVE                               | 5505074            | 1-3"     | 3         | U1P-#2  | 33         | RD2-56           | 169-267            |               | 100  | SR       | PC         | Wire out to West wall N/W comer                    |         | 21       |       | 10       |
|          | 6422 STANLEY AVE                               | 5541752            | 1-3"     | 3         | U1P#2   | 38         | RD2-56           | 169-267            |               | 100  | SR       | MA         | RHA Wire out East wall S/E corner                  |         | 20       |       |          |
|          | 6428 STANLEY AVE                               | 5505077            | 1-3"     | 3         | U1P#2   | 64         | RD2-56           | 169-267            |               | 100  | SR       | PC         | Wire out to North westerly wall beyond gas         |         |          | 35    |          |
|          | 4451 MARRAÇO DR                                | 5540671            | 1-3"     | 3         | U1P-#2  | 33         | RD4-82           | 169-263            |               | 100  | SR       | PC         | Wire out to South wall beyond ex mtr               |         | 17.      |       | 8        |
|          | 4457 MARRACO DR                                | 5540672            | 1-3"     | 3         | U1P-#2  | 29         | RD4-207          | 169-263            |               | 100  | SR       | PC         | Wire out to North wall beyond ex mtr;Dec. Paving   |         |          | 14    | 8        |
|          | 4511 SEMINOLE DR                               | 5993186            |          | <u> </u>  | 01. 14  |            |                  |                    | - · · ·       |      |          |            | Insalled on wo #2969290                            |         | :        |       |          |
|          | 4525 SEMINOLE DR                               | 5629104            | 1        |           |         |            | 1                |                    |               |      |          |            | Insalled on wo #2969290                            | 1       |          |       |          |
|          | 4665 Seminole Dr                               | 5523669            |          |           |         |            |                  |                    |               |      |          |            | Insalled on wo #2969290                            |         |          |       |          |
|          | 4720 SEMINOLE DR 2101                          | 5963448            |          |           |         |            | 430-290          |                    |               |      |          |            | OUTSIDE OF BOUNDRY                                 |         |          |       | 1        |
|          | 4720 SEMINOLE DR 2101                          | 6228613            |          | +         |         |            | 430-290          |                    |               |      |          |            | OUTSIDE OF BOUNDRY                                 |         |          |       | <u> </u> |
|          | 4720 SEMINOLE DR 2204                          | 6570226            |          | -         |         |            | 430-290          |                    |               |      |          |            | OUTSIDE OF BOUNDRY                                 | 1 1     |          |       |          |
|          | 4720 SEMINOLE DR 2201<br>4720 SEMINOLE DR 2303 | 5764335            |          |           |         |            | 430-290          |                    |               |      |          |            | OUTSIDE OF BOUNDRY                                 |         | 1        |       |          |
|          |  |                    |          |           |         |            | 430-290          |                    | <u> </u>      |      |          |            |  | + +     | 1        |       |          |
|          | 4720 SEMINOLE DR 2311                          | 6706273            |          |           |         |            | 430-290          |                    |               |      | · · ·    |            | OUTSIDE OF BOUNDRY                                 | +       |          |       | · ····   |
|          | 4720 SEMINOLE DR HM                            | 6701141<br>5540869 | 1-3"     |           | U1P-#2  | 155        | RD4-72           | 169-251            |               | 200  | SR       | PC         | Wire out to North wall NW Corner                   |         | 22       | 5     | 23       |
| L        | 4515 62ND ST                                   |                    |          | 3         |         | 100        |                  | 169-250            |               | 100  | SR       | PC PC      | Wire out to South wall W of ex.mtr                 | +       | 15       | 2     | 4        |
|          | 4520 62ND ST                                   | 5545095            | 1-3"     | 3         | U1P-#2  |            | RD4-86           | 169-250            |               | 100  | SR<br>SR | MA         | LHA  |         | 9        |       | 4        |
|          | 4525 62ND ST                                   | 5540893            | 1-3"     | 3         | U1P-#2  | 100        | RD4-72           |                    | <b></b>       |      | SR       |            |  |         | 9<br>14  |       |          |
|          | 4544 62ND ST                                   | 5523199            | 1-3"     | 3         | U1P-#2  | 47         | RD4-87<br>RD4-71 | 169-249            | <u> </u>      | 100  | SR<br>SR | MA         | Wire out to South Wall<br>RHA East wall at Ex. Mtr |         | 9:       |       |          |
|          | 4565 62ND ST                                   | 5540890            | 1-3"     | 3         | U1P-#2  | 25<br>73   | RD4-71           | 169-253<br>169-253 |               | 100  | SR       |            | Wire out to SOUTH EAST WALL/ SE CORNER             |         | 30       |       | 24       |
| · · · ·  | 4575 62ND ST                                   | 5540892            | 1-37     | 3         | U1P-#2  | 13         |                  | 159-200            |               | 100  | - ১৪     |            | WIE OUT O SOUTH EAST WALD SE CORNER                |         |          |       | 24       |
| Ŷ        | 4605 62ND ST                                   | 6584722            |          |           |         |            | 343-86           |                    |               | 0.00 |          | <b>D</b> 0 |  |         |          | 28    | 0.0      |
|          | 4625 62ND ST                                   | 05627037           | 1-3"     | 3         | U1P-#2  | 54         | 343-87           | 343-140            | Y Y           | 200  | MR       | PC         | Wire out to South wall S/E corner                  |         |          | 26    | 83       |
| L        | 4625 62ND ST HM                                | 05627303           | 1        |           |         |            | -l               |                    |               |      |          | ļ          |  | +       | · · ·    |       |          |
|          | 4627 62ND ST                                   | 05627036           | <u> </u> |           |         |            |                  |                    |               |      |          | ļ          |  |         |          |       |          |
|          | 4629 62ND ST                                   | 05627035           | <u> </u> |           |         |            |                  |                    |               |      |          |            |  |         | •        |       |          |
|          | 4631 62ND ST                                   | 05627041           |          |           |         |            | 1                |                    |               |      |          | <u> </u>   |  | +       |          |       |          |
|          | 4633 62ND ST                                   | 05627304           |          |           |         |            |                  |                    |               |      |          |            |  |         |          |       |          |
|          | 4635 62ND ST                                   | 05627034           |          |           |         |            |                  |                    |               |      |          |            |  |         |          |       |          |
|          | 4637 1/2 62ND ST                               | 6603857            | 1-3"     | 3         | U1P3/0  | <b>9</b> 1 | 169-173          | 343-141            | Ý             | 400  | MR       | PÇ         | Wire out to East wall South of ex. Mtr             |         | •        | 18    | 4        |
|          | 4637 62ND ST                                   | 5818533            |          |           |         |            |                  |                    |               |      |          |            |  |         | :        |       |          |
|          | 4637 62ND \$T HM                               | 5625295            |          |           |         |            | L                |                    |               |      |          |            |  |         |          |       |          |
|          | 4639 1/2 62ND ST                               | 5627302            |          |           |         |            |                  |                    |               |      |          | ·          |  | 1       |          |       |          |
|          | 4639 62ND ST                                   | 5627305            |          |           |         |            |                  |                    | [             | 1    | 1        |            |  |         | 1        |       |          |
| Y        | 4699 62ND ST                                   | 5292495            |          | 1         |         | 1          | 430-268          |                    |               | 1    |          |            |  |         |          |       | 1        |
|          | 4567 VIRGINIA AVE                              | 5541234            | 1-3"     | 3         | U1P-#2  | 42         | RD2-70           | 169-268            |               | 100  | SR       | PC         | Wire out to North wall beyond mtr                  |         | 28       |       | 7        |
|          | 4568 VIRGINIA AVE                              | 5542266            | 1-3"     | 3         | U1P-#2  | 89         | RD2-70           | 169-268            |               | 100  | SR       | PC         | Wire out to North wall beyond ex mtr               |         | 29       |       | 12       |
|          | 4575 VIRGINIA AVE                              | 5541235            | 1-3"     | 3         | U1P-#2  | 41         | RD2-70           | 169-268            |               | 100  | SR       | PC         | Wire out to South wall beyond gas meter            |         | 5:       | 22    | 4        |
|          | 4576 VIRGINIA AVE                              | 5542267            | 1-3"     | 3         | U1P#2   | 80         | RD2-70           | 169-268            |               | 100  | SR       | PC         | Wire out to South wall S/E corner                  |         | 9        | 11    | 10       |
|          | 4583 VIRGINIA AVE                              | 5541236            | 1-3"     | 3         | U1P-#2  | 55         | RD2-70           | 169-268            |               | 100  | SR       | MA         | RHA North Wall at ex mtr                           |         | 29       |       |          |
|          | 4584 VIRGINIA AVE                              | 5542268            | 1-3"     | 3         | U1P-#2  | 107        | RD2-70           | 169-268            |               | 100  | SR       | PC         | Wire out to North wall beyond ex. Mtr              |         | 1        | 55    | 3        |
|          | 4591 VIRGINIA AVE                              | 5541237            | 1-3"     | 3         | U1P-#2  | 49         | RD2-70           | 169-268            | l             | 100  | SR       | PC         | Wire out to South wall beyond gas meter            |         | 9:       | 22    | 13       |
|          | 4592 VIRGINIA AVE                              | 5542269            | 1-3"     | 3         | U1P-#2  | 77         | RD2-70           | 169-268            | ŀ             | 100  | SR       | MA         | RHA South Wall at ex. Mtr                          |         | 4        | 20    | 1        |
|          | 4611 VIRGINIA AVE                              | 5523620            | 1-3"     | 3         | U1P-#2  |            | RD2-56           | 169-268            | Ì             | 100  | SR       | PC         | Wire out to North beyond gas                       |         | 40       |       | 19       |
|          | 4612 VIRGINIA AVE                              | 5628692            | 1-3"     | 3         | U1P#2   |            | RD2-56           | 169-268            |               | 100  | SR       | PC         | Wire out to South wall S/E corner                  |         | 20       |       | 4        |
|          | 4617 VIRGINIA AVE                              | 5523619            | 1-3"     | 3         | U1P#2   |            | RD2-56           | 169-268            | <u>  </u>     | 100  | SR       | PC         | Wire to South wall beyond ex, Mtr                  | 1       |          | 48    | 5        |
|          |  |                    |          |           |         |            |                  |                    |               |      |          |            |  |         |          |       |          |

| EXISTUG       | PROPERTICADDRESS   | MIR#               | COND | NOSWIRES | 4019 #2.4 | CABLE | OLDATMR          | NVIXERMER 25.00    | 2ND | MAIN              | svil 474  |          | ECITOCATION DE LE SUS LE SUS COMPANY DE LE SUS      | RETWALL  | DIRTAIND | ASPHO    | XCESETG                                      |
|---------------|--------------------|--------------------|------|----------|-----------|-------|------------------|--------------------|-----|-------------------|-----------|----------|---|----------|----------|----------|--|
| 2752A-1925A-0 | 4623 VIRGINIA AVE  | 5523621            | 1-3" | 3        | U1P-#2    | 105   | RD2-56           | 169-268            |     | 200               | SR        | MA       | RHA South wall at ex. Mtr                           |          |          | 20       |  |
|               | 4623 VIRGINIA AVE  | 5628693            | 1-3" | 3        | U1P-#2    | 34    | RD2-56           | 169-268            |     | 100               | SR        | CC       | Wire out to North wall N/E corrier                  | *        |          | 22       |  |
|               | 4629 VIRGINIA AVE  | 5542242            | 1-3" | 3        | U1P#2     | 30    | RD2-56           | 169-268            | -   | 100               | ŚR        | PC       | Wire out South Wall S/W corner                      |          | 20       |          | 4  |
|               | 4630 VIRGINIA AVE  | 5542245            | 1-3" | 3        | U1P-#2    | 106   | RD2-56           | 169-268            |     | 100               | SR        | PC       | Wire out to North wall N/E corner                   |          | 20       |          | 4  |
|               | 4635 VIRGINIA AVE  | 5542243            | 1-3" | 3        | U1P#2     | 39    | RD2-56           | 169-267            |     | 100               | SR        | PC       | Wire out to North wall N/W comer                    |          | 20       |          | 15   |
|               | 4641 VIRGINIA AVE  | 5542244            | 1-3" | 3        | U1P-#2    | 24    | RD2-56           | 169-267            |     | 100               | SR        | PC       | Wire out to South westerly wall                     |          | 20       |          | 15   |
|               | 4549 LACO DR       | 5632070            |      | 3        | 1011-#2   |       | RD4-160          | 100-201            |     | 100               | 0.0       | 10       | OUTSIDE OF BOUNDRY                                  |          |          |          |  |
|               | 4550 LACO DR       | 5632073            |      |          |           |       | RD4-90           |                    |     |                   |           |          | OUTSIDE OF BOUNDRY                                  | · · · ·  |          |          |  |
|               | 4505 REVILLO WAY   | 5626701            | 1-3" | 3        | U1P-#2    | 28    | RD2-160          | RD4-117            |     | 100               | SR        | MA       | RHA Wire out to South wall s/ w corner              |          | 12       | 5        |  |
|               | 4510 REVILLO WAY   | 5787224            | 1-3" | 3        | U1P#2     | 38    | RD2-15           | RD4-117            |     | 200               | SR        | CC       | Wire out to West wall S/W corner                    |          | 15       |          | -  |
|               | 4515 REVILLO WAY   | 6501068            | 1-3" | 3        | U1P-#2    | 37    | RD2-160          | RD4-119            |     | 100               | SR        | PC       | Wire out to North wall N/W corner                   | 1        |          | 15       | 3  |
|               | 4520 REVILLO WAY   | 5543574            | 1-3" | 3        | U1P#2     | 128   | RD2-160          | RD4-119            |     | 200               | SR        | PC       | Wire out to North wall beyond door                  | [ ·      |          | 33       | 14   |
| <b>—</b>      | 4525 REVILLO WAY   | 5626628            | 1-3  | 3        | U1P#2     | 126   | RD2-160          | RD4-119            |     | 200               | SR        | PC       | Wire out to North wall beyond meter                 | 1        |          | 25       | 4  |
| <b> </b>      | 4520 REVILLO WAY   | 5543577            | 1-3" | 3        | U1P#2     | 100   | RD2-160          | RD4-119            |     | 100               | SR        | MA       | RHA. Wire out South wall S/E corner                 | Y        | 18       |          |  |
| <b>—</b>      | 4535 REVILLO WAY   | 5626627            | 1-3" | 3        | U1P1/0    | 137   | RD2-14           | RD4-119            |     | 100               | SR        | PC       | Wire out to North wall N/W corner                   |          |          | 17       | 8  |
|               | 4540 REVILLO WAT   | 5543575            | 1-3" | 3        | U1P-#2    | 104   | RD2-14           | RD4-119            |     | 100               | SR        | MA       | LHA Wire out to North wall N/E corner; Dec. Pavers  |          | 8        | 14       |  |
|               | 4545 REVILLO WAY   | 5729881            | 1-3" | 3        | U1P#2     | 46    | RD2-14           | RD4-119            |     | 100               | SR        | MA       | RHA Wire out to North wall N/W comer                |          | 15       |          |  |
|               | 4550 REVILLO WAY   | 5543576            | 1-3" | 3        | U1P-#2    | 35    | RD2-14           | RD4-119            |     | 100               | SR        | MA       | RHA Wire out to North wall N/E corner               |          | 15       |          |  |
|               |                    |                    | 1-3" | 3        | U1P#2     | 35    | RD2-14           | RD4-119            |     | 100               | SR        | PC       | Wire out to West wall S/W corner                    |          | 13       |          | 5  |
|               | 4555 REVILLO WAY   | 5626626<br>5543551 | 1-3  | 3        | U1P-#2    | 101   | RD2-14           | RD4-119            |     | 100               | SR        | MA       | LHA S wall S/E comer                                | Y        |          | 15       | <u> </u>                                     |
|               | 4560 REVILLO WAY   |                    |      | 3        | U1P-#2    | 101   | RD2-14<br>RD2-14 | RD4-119            |     | 100               | \$R       | MA       | LHA Wire out to South Wall S/W corner; Dec. Pavers  |          |          | 16       |  |
| <b></b>       | 4565 REVILLO WAY   | 6201985            | 1-3" |          |           | 115   |                  | RD4-118            |     | 100               | SR SR     | PC       | Wire out to East wall N/E Comer                     | · ·      | 19       | 10       | 7  |
|               | 4570 REVILLO WAY   | 5522857            | 1-3" | 3        | U1P-#2    |       | RD2-14           | RD4-118            |     | 200               | SR        | CC       | Wire out to North wall N/W comer                    |          | 16       | 10       |  |
|               | 4575 REVILLO WAY   | 5626629            | 1-3" | 3        | U1P1/0    | 130   | RD2-14           | RD4-118            |     | <u>∠00</u><br>100 | SR SR     | PC       | Wire out to East wall N/E Corner                    | <u> </u> | - 10     | 30       | 4  |
|               | 4580 REVILLO WAY   | 6213334            | 1-3" | 3        | U1P#2     | 53    | RD2-14           | RD4-116            |     | 100               | SR        | MA       | LHA North wall N/E corner                           |          | 18       |          | <u> </u>                                     |
|               | 4585 REVILLO WAY   | 5543528            | 1-3" | 3        | U1P-#2    | 42    | RD2-14           |                    |     | 100               | SR        | PC       | Wire out North wall west of ex Mtr ; Dec. Pavers    | - v      | 12       | 18       | 8  |
|               | 4604 REVILLO WAY   | 5522855            | 1-3" | 3        | U1P-#2    | 112   | RD2-14           | RD4-118<br>RD4-118 |     | 100               | SR        | MA       | LHA Wire out to South wall at ex meter              |          | 28       | 5        | <u> </u>                                     |
|               | 4612 REVILLO WAY   | 5467285            | 1-3" | 3        | U1P-#2    | 118   | RD2-14           | RD4-118            |     | 200               | SR<br>SR  | CC       | Wire out to South wall S/W corner                   | ł        | 18       | - 5      | <u> </u>                                     |
|               | 4617 REVILLO WAY   | 5522164            | 1-3" | 3        | U1P#2     | 40    | RD2-14           |                    |     | 100               | SR        | MA       | RHA North wall at ex mtr                            |          | 20       | ~        |  |
| L             | 4620 REVILLO WAY   | 5313757            | 1-3" | 3        | U1P-#2    | 114   | RD2-14           | RD4-118<br>RD4-118 |     | 100               | SR        | PC       | North wall beyond gas                               |          | 27       |          | 7  |
| <b></b>       | 4628 REVILLO WAY   | 5543550            | 1-3" | 3        | U1P-#2    | 49    | RD2-14<br>RD2-14 | RD4-118            |     | 100               | SR        | MA       | LHA South wall S/E comer at ex mtr                  | v        | 20       |          | <u> </u>                                     |
|               | 4636 REVILLO WAY   | 5543552            | 1-3" | 3        | U1P-#2    | 37    |                  |                    |     | 100               | SR        | MA       | RHA North wall at exister at existing               |          | 19       |          | <u> </u>                                     |
| ·             | 4644 REVILLO WAY   | 5543553            | 1-3" | 3        | U1P-#2    | 37    | RD2-14           | RD4-118<br>RD4-118 |     | 100               | -SR<br>SR | PC       | East wall beyond ex mtr                             |          | 34       |          | 7  |
|               | 4654 REVILLO WAY   | 5543526            | 1-3  | 3        | U1P-#2    | 57    | RD2-14           |                    |     | 100               | SR<br>SR  | MA       |   |          | 26       |          | +  |
|               | 4664 REVILLO WAY   | 5522116            | 1-3" | 3        | U1P-#2    | 47    | RD2-14           | RD4-118            |     | 100               | SK        | MA       | RHA East wall at eximtr                             |          | 20       |          | <del> </del>                                 |
|               | 4446 REVILLO DR    | 5626483            |      |          | <u> </u>  |       | RD4-8            |                    |     |                   |           |          | OUTSIDE OF BOUNDRY                                  |          |          |          | <u> </u>                                     |
|               | 4452 REVILLO DR    | 5626484            |      |          |           |       | RD4-8            |                    |     |                   |           |          |   |          |          |          |  |
|               | 4456 REVILLO DR    | 5626458            |      |          |           |       | RD4-8            |                    |     |                   |           |          |   |          |          |          |  |
|               | 4460 REVILLO DR    | 5626461            |      |          |           |       | RD4-8            |                    |     |                   |           |          |   | <u> </u> |          |          |  |
|               | 4464 REVILLO DR    | 5626459            |      |          |           |       | RD4-8            |                    |     |                   |           |          | OUTSIDE OF BOUNDRY                                  | Y        | · 8      | 7        | 3  |
|               | 4502 REVILLO DR    | 5626710            | 1-3" | 3        | U1P-#2    | 103   | RD2-160          | RD4-117            |     | 200               | SR        | PC       | Northeast Wall east of ex. Mtr                      | Y        | 12       | 28       | 14   |
|               | 4505 REVILLO DR    | 5741932            | 1-3" | 3        | U1P-#2    | 61    | RD2-15           | RD4-117            |     | 1.00              | SR        | PC_      | E wall SE corner                                    | Y Y      | 22       | 20       | 14   |
|               | 4533 REVILLO DR    | 5626713            | 1-3" | 3        | U1P-#2    | 90    | RD2-15           | RD4-117            |     | 200               | SR        | MA       | LHA Wire out to East wall S/E corner                | Y        | 16       |          |  |
|               | 4543 REVILLO DR    | 5626711            | 1-3" | 3        | U1P-#2    | 93    | RD2-15           | RD4-117            |     | 1.00              | SR        | MA       | RHA Wire out to West wall s/ w corner               |          | 45       |          | 10   |
|               | 4553 REVILLO DR    | 5626712            | 1-3" | 3        | U1P-#2    | 89    | RD2-15           | RD4-117            |     | 100               | SR        | PC       | Wire out to East wall beyond gas                    |          | 18       |          | 10   |
|               | 4566 CATHERINE AVE | 5497529            | 1-3" | 3        | U1P-#2    | 108   | RD2-165          | 169-270            |     | 100               | SR        | MA       | LHA. Wire out to North Wall N/E corner              |          |          | 3        | 10   |
|               | 4567 CATHERINE AVE | 5497552            | 1-3" | 3        | U1P-#2    | 72    | RD2-58           | 169-265            | Y   | 100               | ŞR        | PC       | Wire out to East wall S/E corner                    | +        | 20       | 6        | 10   |
|               | 4575 CATHERINE AVE | 5496748            | 1-3" | 3        | U1P-#2    | 85    | RD2-165          | 169-270            |     | 100               | SR        | MA       | LHA. Wire out to North wall NAV corner              |          | 20       |          | 9  |
|               | 4583 CATHERINE AVE | 5541213            | 1-3" | 3        | U1P-#2    | 75    | RD2-165          | 169-270            |     | 100               | SR        | PC       | Wire out to South wall S/W corner                   | +        | 10<br>28 | 5.       | 9  |
| L             | 4584 CATHERINE AVE | 5497528            | 1-3" | 3        | U1P-#2    | 49    | RD2-165          | 169-270            |     | 100               | SR        | PC       | Wire out to South wall beyond ex mtr                | ł        | 28       | 10       | 111  |
|               | 4591 CATHERINE AVE | 5541212            | 1-3" | 3        | U1P-#2    | 91    | RD2-165          | 169-270            |     | 100               | SR        | MA       | LHA. Wire out to North Wall at ex mtr               | +        |          | 10       | <u>+</u>                                     |
|               | 4592 CATHERINE AVE | 5541240            | 1-3" | 3        | U1P-#2    | 58    | RD2-165          | 169-270            |     | 100               | SR        | <u> </u> | Wire out to North Wali at ex mtr                    |          | 22       | -        | +  |
|               | 4611 CATHERINE AVE | 5541210            | 1-3" | 3        | U1P-#2    | 110   | RD2-7            | 169-270            |     | 100               | SR        | MA       | RHA, Wire out to North wall at ex mtr ; Dec. Pavers |          | 1.15     | 25       | +  |
|               | 4612 CATHERINE AVE | 5541238            | 1-3" | 3        | U1P-#2    | 41    | RD2-7            | 169-270            |     | 100               | SR        | <u></u>  | Wire out to North Wall before ex mtr                |          | 45       | <u> </u> | <u>+</u>                                     |
|               | 4617 CATHERINE AVE | 5541211            | 1-3" | 3        | U1P-#2    | 87    | RD2-7            | 169-270            |     | 100               | \$R       | CC       | Wire out to North Wall at ex mtr                    |          | 15       | 5        | <del> </del>                                 |
|               | 4618 CATHERINE AVE | 5541241            | 1-3" | 3        | 01P-#2    | 100   | RD2-7            | 169-270            |     | 100               | SR        | MA       | LHA. Wire out to North Wall N/E comer               | <u> </u> | 15       | ļ        | <u>                                     </u> |
|               | 4623 CATHERINE AVE | 6568398            | 1-3" | 3        | U1P-#2    | 43    | RD2-7            | 169-270            |     | 100               | SR        | PC       | Wire out to North wall N/W comer                    | 1        | 22<br>26 |          | 4  |
|               | 4624 CATHERINE AVE | 5541239            | 1-3" | 3        | U1P-#2    | 42    | RD2-7            | 169-270            |     | 100               | SR        | MA       | RHA. Wire out to North wall at ex mtr               |          |          |          | 1  |

| EXISTING PROPERTY ADDRESS | MIRA    | COND. | NOCYMRES | 1124   | CABLE | OLD XEMR | NWEXERMER | ZNGC MAIN | SVR erg | ∳_/P⊂ | PSEDCATION                                     | RETWALE. | DIRTRAND | ASPH  | XCES FTG |
|---------------------------|---------|-------|----------|--------|-------|----------|-----------|-----------|---------|-------|--|----------|----------|-------|----------|
| 4629 CATHERINE AVE        | 5505076 | 1-3"  | 3        | U1P-#2 | 31    | RD2-7    | 169-270   | 100       | SR      | PC    | Wire out to South wall S/W Comer               |          | 16       |       | 10       |
| 4630 CATHERINE AVE        | 5518719 | 1-3"  | 3        | U1P-#2 | 112   | RD2-7    | 169-270   | 100       | ŞR      | PÇ    | Wire out to North Wall N/E comer               |          | 18       |       | 10       |
| 6405 BRADFORD ST          | 6537581 |       |          |        |       |          |           |           |         |       | Service to be installed on W.O.#2969290        |          |          |       |          |
| 6408 BRADFORD ST          | 5543571 |       |          |        |       |          |           |           |         |       | Service to be installed on W_O #2969290        |          |          |       |          |
| 6411 BRADFORD ST          | 5629191 | 1-3"  | 3        | U1P-#2 | 35    | RD4-56   | 169-260   | 100       | SR      | PC    | installed on                                   | 1        | 15       |       | 10       |
| 6412 BRADFORD ST          | 5543572 | 1-3"  | 3        | U1P-#2 | 46    | RD4-56   | 169-260   | 100       | ŞR      | MA    | W.Q.#2969290                                   |          |          | 24    |          |
| 6418 BRADFORD ST          | 5543570 | 1-3"  | 3        | U1P-#2 | 38    | RD4-56   | 169-260   | 100       | SR      | MA    | RHA. Wire out to West wall S/W corner          |          |          | 20    |          |
| 6419 BRADFORD ST          | 5466451 | 1-3"  | 3        | U1P-#2 | 71    | RD4-56   | 169-260   | 100       | \$R     | PC    | Wire out to West wall before ex mtr            |          |          | 21    | 7        |
| 6425 BRADFORD ST          | 5629166 | 1-3"  | 3        | U1P-#2 | 53    | RD4-201  | 169-260   | 100       | SR      | PC    | Wire out to East wall beyond ex mtr            | Y        | 20       | 35 10 | 11       |
| 6426 BRADFORD ST          | 5543573 | 1-3"  | 3        | U1P-#2 | 47    | RD4-201  | 169-260   | 200       | SR      | PC    | Wire out to East wall beyond ex mtr            |          |          | 25    | 9        |
| 6433 BRADFORD ST          | 5629169 | 1-3"  | 3        | U1P-#2 | 46    | RD4-201  | 169-260   | 200       | SR      | MA    | LHA. Wire out to West wall N/W comer           |          | 18       |       |          |
| 6434 BRADFORD ST          | 5543547 | 1-3"  | 3        | U1P-#2 | 40    | RD4-201  | 169-260   | 200       | SR      | MA    | LHA, Wire out to West wall @ ex mtr            |          | 21       |       |          |
| 6441 BRADFORD ST          | 5629167 | 1-3"  | 3        | U1P-#2 | 32    | RD4-201  | 169-260   | 100       | SR      | MA    | LHA. Wire out to East wall N/E corner          |          | 10       | 7     |          |
| 6442 BRADFORD ST          | 5543548 | 1-3"  | 3        | U1P-#2 | 37    | RD4-201  | 169-260   | 200       | SR      | MA    | RHA. Wire out to East wall at ex mtr           |          | 4        | 12    |          |
| 6503 BRADFORD ST          | 5629168 | 1-3"  | 3        | U1P-#2 | 135   | RD4-202  | 169-261   | 100       | SR      | PC    | Wire out to East wall N/E corner beyond window |          |          | 18    | 32       |
| 6504 BRADFORD ST          | 5543549 | 1-3"  | 3        | U1P-#2 | 35    | RD4-201  | 169-260   | 100       | SR      | PC    | Wire out to West wall S/W comer                |          | 3.       | 11    | 11       |
| 6508 BRADFORD ST          | 5723417 | 1-3"  | 3        | U1P-#2 | 78    | RD4-202  | 169-261   | 100       | \$R     | PC    | Wire out to East wall beyond ex mtr            |          | 5.       | 13    | 4        |
| 6509 BRADFORD ST          | 5629145 | 1-3"  | 3        | U1P-#2 | 30    | RD4-202  | 169-261   | 100       | SR      | PC    | Wire out to East wall N/E corner               | ľ        | 10       | 5     | 43       |
| 6516 BRADFORD ST          | 5543546 | 1-3"  | 3        | U1P-#2 | 80    | RD4-202  | 169-261   | 100       | \$R     | PC    | Wire out to West wall beyond ex mtr            |          | 15       |       | 4        |
| 6517 BRADFORD ST          | 5629142 | 1-3"  | 3        | U1P-#2 | 153   | RD4-202  | 169-261   | 100       | SR      | MA    | LHA. Wire out to West wall at exmtr            |          | 35       | 3     |          |
| 6522 BRADFORD ST          | 5543523 | 1-3"  | 3        | U1P-#2 | 87    | RD4-202  | 169-261   | 100       | SR      | PC    | Wire out to East wall S/E corner               |          |          | 5     | 3        |
| 6525 BRADFORD ST          | 5629143 | 1-3"  | 3        | U1P-#2 | 152   | RD4-207  | 169-262   | 100       | SR      | PC    | Wire out S/East wall beyond ex mtr.            | 1 1      | 33       |       | 15       |
| 6528 BRADFORD ST          | 5543522 | 1-3"  | 3        | U1P-#2 | 102   | RD4-202  | 169-261   | 200       | ŞR      | PC    | Wire out to West wall beyond ex mtr            | 1 1      |          | 16    | 7        |
| 6533 BRADFORD ST          | 5629144 | 1-3"  | 3        | U1P-#2 | 110   | RD4-207  | 169-262   | 100       | \$R     | MA    | LHA. Wire out to West wall at ex mtr           | Y        | 20       |       |          |
| 6534 BRADFORD ST          | 5466426 | 1-3"  | 3        | U1P-#2 | 73    | RD4-207  | 169-262   | 200       | SR      | PC    | Wire out to East wall S/E corner               |          | 1        | 8     | 4        |
| 6540 BRADFORD ST          | 5723414 | 1-3"  | 3        | U1P-#2 | 71    | RD4-207  | 169-262   | 100       | SR      | PC    | Wire out to West wall S/W corner               |          | 4        |       | 3        |
| 6546 BRADFORD ST          | 5701229 | 1-3"  | 3        | U1P-#2 | 29    | RD4-207  | 169-262   | 200       | SR      | PC    | Wire out to South wall before ex meter         | Y        | 11       |       | 4        |
| 6552 BRADFORD ST          | 5543525 | 1-3"  | 3        | U1P-#2 | 31    | RD4-207  | 169-262   | 100       | SR      | PĆ    | Wire out to North wall beyond ex mtr           |          | 15       |       | 3        |
| 6556 BRADFORD ST          | 5543524 | 1-3"  | 3        | U1P-#2 | 25    | RD4-207  | 169-263   | 100       | SR      | PC    | Wire out to South wall S/W corner: Dec. Paving |          |          | 8     | 2        |

# ATTACHMENT E

# SUPPLEMENTARY SPECIAL PROVISIONS

## APPENDICES

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## APPENDIX A

# **NOTICE OF EXEMPTION**

TO: X RECORDER/COUNTY CLERK P.O. BOX 1750, MS A-33 1600 PACIFIC HWY, ROOM 260 SAN DIEGO, CA 92101-2422 FROM: CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT 1222 FIRST AVENUE, MS 501 SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH 1400 TENTH STREET, ROOM 121 SACRAMENTO, CA 95814

#### PROJECT NO.: 299805

#### PROJECT TITLE: FY 2012 Underground Utility District

**PROJECT LOCATION-SPECIFIC:** Installation of an underground utility system and related work at the following locations and community plan areas: 1) UU72 Howard Street (Greater North Park), 2) UU388 Wightman Street (Mid-City: City Heights), 3) UU617 Hilltop Drive, Boundary St. to Toyne St. (Southeastern San Diego), 4) UU16 Woodrow Avenue Calvacado to Amracost (Skyline-Paradise Hills), 5) UU302 Baker Street, Sumter St. to Morena Boulevard (Clairemont Mesa), 6) UU629 Seminole Drive, Stanley Ave. to Estelle Street (Mid City: Eastern Area), 7) UU193 Coronado, I-5 SB on Ramp to SB 27<sup>th</sup> Street (Otay Mesa-Nestor), 8) UU995 25<sup>th</sup> (SB) Street, Coronado (SB) Ave. to Grove Ave. (Otay Mesa-Nestor), 9) UU874 Residential Block 6H, Trenton Ave. (Clairemont Mesa), 10) UU209 Residential Block, 7G2 Acorn St. (Mid City: Eastern Area) and 10) UU889 (Skyline-Paradise Hills).

#### PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project would consist of trenching approximately 5 feet deep and 2.5 feet wide along one side of each public right-of-way, installing conduit and substructures such as transformers on concrete pads, installing cable through the conduits, providing individual customer connections, removing existing overhead lines and poles and installing streetlights. Work would include pole installation or reinstallation where necessary, trenching (18-inches deep) of conduit from electrical service points to the street light locations and installation of pull-boxes when required, and other necessary appurtenances. Curb ramps would be installed where missing. In addition, sidewalk repairs, preservation of historical stamps and street resurfacing would be done. Traffic control measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. The street light locations are within urban developed areas, no sensitive vegetation would be affected or removed, and historic sidewalk stamps would be preserved per contract specifications. The project location is not included on any government code listing of hazardous waste sites.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works-E&CP Dept./James Bajet, 600 B Street, Suite 800, (MS 908A), San Diego, CA 92101, (619) 533-5112

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
- () DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- () EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- (X) CATEGORICAL EXEMPTION: 15303(D) (NEW CONSTRUCTION OR CONVERSION OF SMALL STRUCTURES)
- () STATUTORY EXEMPTIONS:

<u>REASONS WHY PROJECT IS EXEMPT</u>: The City of San Diego conducted an environmental review which determined that the installation of an underground utility system and associated improvements would be located within the public right-of-way and all improvements would occur in non-sensitive areas. The entire project is in areas that have been previously paved and/or disturbed. The action of the improvements related to this project and the scope, would not have any affects on archaeological or biological resources. Furthermore the project meets the criteria set forth in CEQA Section 15302(d) which allows for the conversion of overhead utilities to underground and the exceptions listed in CEQA Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: Jeffrey Szymanski TELEPHONE: (619) 446-5324

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
- 2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
  - () YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

STOUGE PLANNER ma STURE APITLE FOR ONE

(X) SIGNED BY LEAD AGENCY () SIGNED BY APPLICANT DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

 $\frac{12/4}{13}$ 

Revised December 4, 2013mjh

Block 7G2 UUP Appendix A – Notice of Exemption 847 | Page

## APPENDIX B

# FIRE HYDRANT METER PROGRAM

| CITY OF SAN DIEGO CALIFORNIA  | NUMBER             | DEPARTMENT       |
|---|--------------------|------------------|
| DEPARTMENT INSTRUCTIONS   | <b>DI</b> 55.27    | Water Department |
| SUBJECT   | <b>PAGE 10F</b> 10 | EFFECTIVE DATE   |
| FIRE HYDRANT METER PROGRAM<br>(FORMERLY: CONSTRUCTION METER<br>PROGRAM) |                    | October 15, 2002 |
|   | SUPERSEDES         | DATED            |
|   | <b>DI</b> 55.27    | April 21, 2000   |

### 1. PURPOSE

1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

### 2. <u>AUTHORITY</u>

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

#### Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

#### 3. **DEFINITIONS**

3.1 Fire Hydrant Meter: A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

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|--|------------------------|---------------------------------------|
| SUBJECT<br>FIRE HYDRANT METER PROGRAM<br>(FORMERLY: CONSTRUCTION METER<br>PROGRAM) | <b>PAGE 20F</b> 10     | EFFECTIVE DATE<br>October 15, 2002    |
|  | SUPERSEDES<br>DI 55.27 | DATED<br>April 21, 2000               |

- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

## 4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 <sup>1</sup>/<sub>2</sub>" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
  - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
  - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
    - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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| FIRE HYDRANT METER PROGRAM<br>(FORMERLY: CONSTRUCTION METER<br>PROGRAM) |                        | October 15, 2002        |
| ,,,,  | SUPERSEDES<br>DI 55.27 | DATED<br>April 21, 2000 |

- 2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
- 3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
- 4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
- 5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
- 6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
- 7. All private fire hydrant meters shall have backflow devices attached when installed.
- 8. The customer must maintain and repair their own private meters and private backflows.
- 9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
- 10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

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| DEPARTMENT INSTRUCTIONS   | <b>DI</b> 55.27    | Water Department |
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| FIRE HYDRANT METER PROGRAM<br>(FORMERLY: CONSTRUCTION METER<br>PROGRAM) |                    | October 15, 2002 |
|   | SUPERSEDES         | DATED            |
|   | <b>DI</b> 55.27    | April 21, 2000   |

- 11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any reinstallation.
- 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
- 13. The outlet shall have a  $2\frac{1}{2}$  "National Standards Tested (NST) fire hydrant male coupling.
- 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.

#### 4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter

#### Process for Issuance

- a. Fire hydrant meters shall only be used for the following purposes:
  - 1. Temporary irrigation purposes not to exceed one year.

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| SUBJECT<br>FIRE HYDRANT METER PROGRAM<br>(FORMERLY: CONSTRUCTION METER<br>PROGRAM) | <b>PAGE 5OF</b> 10     | EFFECTIVE DATE<br>October 15, 2002    |
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- 2. Construction and maintenance related activities (see Tab 2).
- b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
- c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
- d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
- e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
- f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
- g. After the fees have been paid and an account has been created, the

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|   | <b>DI</b> 55.27    | April 21, 2000   |

meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

### 4.7 **Relocation of Existing Fire Hydrant Meters**

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as "Hotline"), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter's relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

#### 4.8 **Disconnection of Fire Hydrant Meter**

- a. After ten (10) months a "Notice of Discontinuation of Service" (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

## 5. **EXCEPTIONS**

5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

## 6. MOBILE METER

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:
  - a) Vehicle Mounted Meters: Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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| PROGRAM)   | SUPERSEDES<br>DI 55.27 | DATED<br>April 21, 2000               |

inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

- b) Floating Meters: Floating Meters are meters that are not mounted to a vehicle. (Note: All floating meters shall have an approved backflow assembly attached.) The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:
  - 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
  - 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

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| rkogram)   | SUPERSEDES<br>DI 55.27 | DATED<br>April 21, 2000               |

### 7. FEE AND DEPOSIT SCHEDULES

7.1 Fees and Deposit Schedules: The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. Theses deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

## 8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

- 8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.
- 8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.
- 8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.
- 8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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| <i>,</i>                      | SUPERSEDES   | DATED            |
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<sup>8.5</sup> If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
  - 2. Construction & Maintenance Related Activities With No Return To Sewer
  - 3. Notice of Discontinuation of Service

#### APPENDIX

Administering Division: Customer Support Division

- Subject Index: Construction Meters Fire Hydrant Fire Hydrant Meter Program Meters, Floating or Vehicle Mounted Mobile Meter Program, Fire Hydrant Meter
- Distribution: DI Manual Holders

|  | Applicat                                      | tion for Fire                         | (EXHIBIT A)                            |  |  |
|--|---|---------------------------------------|--|--|--|
| No or San Diego<br>PUBLIC UTUTIES  | Hydrant                                       | Motor                                 |  | (For Office Us                         | e Only)  |
| Water & Wastewater   | пушащ   |                                       | NS RI                                  | IQ                                     | FACH   |
| N Carlos and a construction of the constructio |   |                                       | DATE                                   |  | вү   |
|  |   | ER SHOP (619) 527-7                   | Application t                          | late Re/                               | quested Install Date:  |
| Meter Informatio   | วท  |                                       | s op priorition 1                      |  | questeu histail pate.  |
| Fire Hydrant Location: (Attach   | Detailed Map//Tho                             | mas Bros. Map Location                | or Construction drawing<br><u>Zip:</u> | g.) I.O                                | G.B. (CITY USE   |
| Specific Use of Water:   | ······  | , ;                                   |  |  |  |
| Any Return to Sewer or Storm   | Drain, if so , explai                         | n:                                    |  |  | 100 Means and a second and a second at the s |
| Estimated Duration of Meter L  | Use:  |                                       |  | Che                                    | eck Box if Reclaimed Water   |
| mpany Information  |   |                                       |  |  |  |
|  |   |                                       |  | •••••••••••••••••••••••••••••••••••••• | ······   |
| Company Name:  | <b></b>                                       |                                       |  | •                                      |  |
| Viailing Address:  |   |                                       | ·····                                  |  |  |
| City:  |   | State:                                | Zip:                                   | Phone:                                 | ( )  |
| Business license#  |   |                                       | *Contractor licer                      | nse#                                   |  |
| Copy of the Contracto  | or's license OR                               | Business License is                   | required at the ti                     | me of meter iss                        | uance.   |
| Name and Title of B<br>PERSON IN ACCOUNTS PAYABLE)   | illing Agent:                                 |                                       |  | Phone:                                 | ( )  |
| Site Contact Name a  | and Title:                                    |                                       |  | Phone:                                 | ( )  |
| Responsible Party N  | lame:   |                                       |  | Titie:                                 |  |
| Cal ID#  | и «   |                                       |  | Phone:                                 | ( )  |
| lignature:   |   |                                       | Date:                                  |  | n yn ar an fel fan fel fan fel fan fel fan fel fan fel   |
| uarantees Payment of all Charge  | s Resulting from the u                        | se of this Meter. <u>Insures the</u>  | t employees of this Organi             | zation understand the                  | proper use of Fire Hydrant Meter   |
|  |   |                                       | 5° a.                                  |  |  |
| Fire Hydrant Met   | er Remova                                     | Request                               |  |  |  |
|  |   |                                       | Request                                | ed Removal Date                        | :<br>  |
| rovide Current Meter Location  | n lf Different from A                         | bove;                                 |  |  |  |
| lignature:   |   | ₩999999999999999999999999999999999999 | Title:                                 | · ·                                    | Date:  |
| Phone: ( )   |   | P                                     | Pager: ( )                             |  | <b></b>  |
|  | <u>an dan pertukkan seri seri kana kana k</u> |                                       |  |  | an a san a san aga barra ang ang ang ang ang ang ang ang ang an  |
| City Meter   | Private M                                     | eter                                  |  |  |  |
| ontract Acct #:  |   | Deposit A                             | mount: \$936.                          | 00 Fees Amour                          | nt: \$ 62.00   |
| 1eter Serial #   | <u> </u>                                      | Meter Size                            | : 05                                   | Meter Make                             | and Style: 6-7   |
|  |   |                                       | •                                      | Backflow                               |  |
| ackflow #  | ·   | Backflow S<br>Signature:              |  | Make and S                             | tyle:<br>Date:   |
| warret   |   | Second Second                         |  |  | Pate:  |

\_\_\_\_\_

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#### WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing Backfilling Combination Cleaners (Vactors) Compaction Concrete Cutters **Construction Trailers Cross Connection Testing** Dust Control Flushing Water Mains Hydro Blasting Hydro Seeing Irrigation (for establishing irrigation only; not continuing irrigation) Mixing Concrete Mobile Car Washing Special Events Street Sweeping Water Tanks Water Trucks Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party Company Name and Address Account Number;

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter #\_\_\_\_\_\_, located at (*Meter Location Address*) ends in 60 days and will be removed on or after (*Date Authorization Expires*). Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego Water Department Attention: Meter Services 2797 Caminito Chollas San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619)\_\_\_\_\_-

••••••

Sincerely,

Water Department
#### **APPENDIX C**

# MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE & SDGE APPROVED MATERIAL LIST

#### MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

- 1. Soil amendment
- 2. Fiber mulch
- 3. PVC or PE pipe up to 16 inch diameter
- 4. Stabilizing emulsion
- 5. Lime
- 6. Preformed elastomeric joint seal
- 7. Plain and fabric reinforced elastomeric bearing pads
- 8. Steel reinforced elastomeric bearing pads
- 9. Waterstops (Special Condition)
- 10. Epoxy coated bar reinforcement
- 11. Plain and reinforcing steel
- 12. Structural steel
- 13. Structural timber and lumber
- 14. Treated timber and lumber
- 15. Lumber and timber
- 16. Aluminum pipe and aluminum pipe arch
- 17. Corrugated steel pipe and corrugated steel pipe arch
- 18. Structural metal plate pipe arches and pipe arches
- 19. Perforated steel pipe
- 20. Aluminum underdrain pipe
- 21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
- 22. Metal target plates
- 23. Paint (traffic striping)
- 24. Conductors
- 25. Painting of electrical equipment
- 26. Electrical components
- 27. Engineering fabric
- 28. Portland Cement
- 29. PCC admixtures
- 30. Minor concrete, asphalt
- 31. Asphalt (oil)
- 32. Liquid asphalt emulsion
- 33. Epoxy

| Stock Number | Description                              | Unit of Measure |
|--------------|--|-----------------|
| 162426       | Handhole Body 17"X 30"X 12" 3312         |                 |
| 162664       | Base Section 18" 3313                    | EA              |
| 162690       | Quazite Box 37"X26"X26"                  | EA              |
| 249630       | Conduit DB 1" Polythylene                | FT              |
| 249664       | Conduit DB 3", 20' Length                | FT              |
| 249710       | Conduit DB 100 4", 20' Length            | FT              |
| 249728       | Conduit DB 5", 20' Length                | FT              |
| 321812       | Bend Conduit DB 2" 90 D 36" R            | FT              |
| 321826       | 4" DB 100 22.5 D R Bend                  | EA              |
| 321856       | Bend Conduit DB 5" 22.5 D 25' R          | EA              |
| 321878       | Bend Conduit DB 3" 45 D 36" R            | EA              |
| 322048       | Bend Conduit DB 3" 90 D 36" R            | EA              |
| 322082       | 4" DB 100 90 D 36" R Bend                | EA              |
| 322112       | Bend Conduit 5" 90 D 36" R               | EA              |
| 322144       | Bend Conduit 3" 22.5 D 25' R             | EA              |
| 322472       | Elbow 3"-36" R 90 D PVC SCH 80           | EA              |
| 400302       | 3313 Traffic Cover Handhole Complete     | EA              |
| 400308       | 3315 Traffic Cover Handhole Complete     | EA              |
| 400312       | 3316 Traffic Cover Handhole Complete     | EA              |
| 476302       | Marker Conduit Stub Red                  | EA              |
| 476494       | Marker, Ball, E.F.M.S.                   | EA              |
| 514022       | Pad 3417 600 AMP Deadfront Terminator    | EA              |
| 514240       | Pad 1-Phase XMFR/ 3-Phase F.C. 3421      | EA              |
| 514280       | Pad Capacitor 3414                       | EA              |
| 537224       | Pipe Steel 4" .188 Wall Plain Bare 5L    | FT              |
| 573376       | Conduit Bell Reducer 3" to 2"            | EA              |
| 573380       | Conduit Bell Reducer 4" to 3"            | EA              |
| 573384       | Conduit Bell Reducer 5" to 4"            | EA              |
| 663528       | Spacer Intermediate 5" 2-Way             | EA              |
| 663530       | 1" Base Spacer                           | EA              |
| 812816       | Wire Base Copper #2-7 STR Soft Drawn     | LB              |
| 809200       | Wire Tracer 14AWG 600V CU Soild Insulate | FT              |

# SDGE Approved Material List- Block 7G2

# APPENDIX D

# SAMPLE CITY INVOICE WITH SPEND CURVE

## City of San Diego, CM&FS Div., 9753 Chesapeake Drive, SD CA 92123

Project Name:

. .. .......

Work Order No or Job Order No. City Purchase Order No. Resident Engineer (RE): RE Phone#: Fax#:

#### Contractor's Name:

| Con | tracto | or's A | ddre | ess: |
|-----|--------|--------|------|------|
| ~~~ | u uuu  |        | uuiv | -33. |

| Contractor's Phone #: |  |
|-----------------------|--|
| Contractor's fax #:   |  |
| Contact Name:         |  |

Invoice No. Invoice Date:

Billing Period: ( To )

| Item # | Item Description                      |               | Contrac            | : Authoriza                    | ation        |             | Previo   |  | als To Date    | Т          | his Estimat     | e          | Tota         | ls to D                                       | Date   |
|--------|---------------------------------------|---------------|--------------------|--------------------------------|--------------|-------------|----------|--|----------------|------------|-----------------|------------|--------------|---|--------|
|        | •                                     | Unit          | Price              | Qty                            | Exte         | ension      | %/QTY    |  | Amount         | % / QTY    | Amo             | unt        | % / QTY      |   | Amount |
| 1      |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00         | \$  | -      |
| 2      |                                       |               |                    |                                | \$           | -           | <u> </u> | \$   | -              |            | \$              | -          | 0.00%        | \$  |        |
| 3      |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 4      |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 5      | · · · · · · · · · · · · · · · · · · · |               |                    |                                | \$           |             | Į        | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 6      |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 7      |                                       | _             |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 5      |                                       |               |                    |                                | \$           |             | ╠╾╾╾╌    | \$   |                |            | \$              | -          | 0.00%        | \$<br>  \$                                    |        |
| 6      |                                       |               | ······             |                                | ><br>\$      |             |          | ><br>\$                                      |                |            | <u>ን</u><br>\$  | -          | 0.00%        | <del>3</del><br>  5                           |        |
| 7      |                                       |               |                    |                                | \$           |             |          | \$   |                |            | 3<br>\$         | -          | 0.00%        | 5   |        |
| 8      |                                       |               |                    |                                | \$           | _           |          | \$   | _              |            | \$              | -          | 0.00%        | \$  | _      |
| 9      |                                       |               |                    |                                | \$           |             |          | \$   | -              |            | \$              | -          | 0,00%        | Ś   |        |
| 10     |                                       |               |                    |                                | \$           | -           | <u> </u> | \$   |                |            | \$              | -          | 0.00%        | Ś   | -      |
| 11     |                                       |               |                    |                                | \$           | -           |          | \$   | _              |            | \$              | -          | 0.00%        | \$  | -      |
| 12     |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 13     |                                       |               |                    | Í                              | \$           | -           |          | \$   | _              |            | \$              | -          | 0.00%        | \$  | -      |
| 14     |                                       |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 15     | · · · · · · · · · · · · · · · · · · · |               |                    |                                | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 16     |                                       |               |                    | 1                              | \$           | -           |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| 17     | Field Orders                          |               |                    |                                | \$           |             |          | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| L      |                                       |               |                    |                                | \$           | -           | ļ        | \$   | -              |            | \$              | -          | 0.00%        | \$  | -      |
| ļ      | CHANGE ORDER No.                      |               |                    |                                | \$           | -           | l        | \$   |                |            | \$              | -          | 0.00%        | <u>\$</u>                                     |        |
|        |                                       |               |                    |                                | \$           | -           | <b> </b> | \$   |                |            | \$              | -          | 0.00%        | \$  | -      |
| ľ      | Total Authorized Am<br>SUMMARY        | iount (inclui | aing approved Char | ige Order;                     | ) \$         | -           |          | \$   | -              |            | \$              | -          | Total Billed | \$  | -      |
| F      |                                       |               |                    |                                |              |             | -        | ī  | <b>D</b> _1    |            |                 |            |              |   |        |
|        | A. Original Contract Amount           |               | \$ -               |                                | certify that |             |          |  | Retention      |            |                 | -          |              | <u>,                                     </u> |        |
| l      | B. Approved Change Order #00 Thru #0  | 00            | \$ -               | have been received by me       |              |             |          | Total  | Retention Red  | quired as  | of this billing | g (Item E) | ) <u> </u>   |   | \$0.00 |
|        | C. Total Authorized Amount (A+B)      |               | \$ -               | the quality and quantity speci |              |             | ecified  | Prev   | vious Retentio | n Withhel  | d in PO or i    | in Escrow  | ,            |   | \$0.00 |
|        | D. Total Billed to Date               |               | \$-                | ר                              |              |             |          | Add'l  | Amt to Withl   | hold in P( | D/Transfer      | in Escrov  | N:           |   | \$0.00 |
|        | E. Less Total Retention (5% of D )    |               | \$ -               | Resident Engineer              |              |             |          | Amt to Release to Contractor from PO/Escrow: |                |            |                 |            |              |   |        |
| Ī      | F. Less Total Previous Payments       |               | \$ -               |                                |              |             |          |  |                |            |                 |            | · -          |   |        |
|        | G. Payment Due Less Retention         |               | \$0.00             | i                              | Constructio  | on Engineer |          |  |                |            |                 |            |              |   |        |
| E E    | H. Remaining Authorized Amount        |               | \$0.00             |                                |              | 0           |          | Contractor Signature and Date:               |                |            |                 |            |              |   |        |

- - - - -

# Sample Project Spend Curve

#### Sample Date Entries Required

|          |      |      |      | · · · · · · · · · · · · · · · · · · · |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ve Value | 0.0% | 3.5% | 3.5% | 3.5%                                  | 3.5% | 3.5% | 3.5% | 3.5% | 3,5% | 3.5% | 3.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% | 6.5% |
| ment     | 0%   | 5%   | 10%  | 15%                                   | 20%  | 25%  | 30%  | 35%  | 40%  | 45%  | 50%  | 55%  | 60%  | 65%  | 70%  | 75%  | 80%  | 85%  | 90%  | 95%  | 100% |

Incremental Curve Value Duration % Increment



# APPENDIX E

# LOCATION MAP

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THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part theref, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

# APPENDIX F

# SAMPLE OF PUBLIC NOTICE

# FOR SAMPLE REFERENCE ONLY



Work on your street will begin within one week to replace the existing water mains servicing your community.

#### The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

## How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

#### Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

#### **City of San Diego Contractor:**

Company Name, XXX-XXX-XXXX









# **PROJECT TITLE**

Work on your street will begin within one week to replace the existing water mains servicing your community.

#### The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

#### How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

#### Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

#### City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

To contact the City of San Diego: **SD** Public Works 619-533-4207 | engineering@sandlego.gov | sandlego.gov/CIP

This information is available in alternative formats upon request.

#### APPENDIX G

# ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

# **Protecting AMI Devices in Meter Boxes and on Street Lights**

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. <u>All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.</u>

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

#### A. Endpoints, see Photo 1:



#### Photo 1

B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2

Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:



## Photo 4

The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

# The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.



#### Photo 5

Photo 6 below is an example of disturbance that shall be avoided:



#### Photo 6

**You are responsible when working in and around meter boxes.** If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:



#### Photo 7

Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.

Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.





#### Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

#### ATTACHMENT F

# **INTENTIONALLY LEFT BLANK**

Block 7G2 UUP Attachment F – Intentionally Left Blank

# ATTACHMENT G

# **CONTRACT AGREEMENT**

#### -CONTRACT AGREEMENT

#### CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and <u>Southern Contracting Company</u>, herein called "Contractor" for construction of **BLOCK 7G2 UUP**; Bid No. **K-18-1691-DBB-3**; in the amount of, <u>Eight Million One</u> <u>Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight Cents</u> (<u>\$8,176,735.68</u>), which is comprised of the Base Bid alone.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

- 1. The following are incorporated into this contract as though fully set forth herein:
  - (a) The attached Faithful Performance and Payment Bonds.
  - (b) The attached Proposal included in the Bid documents by the Contractor.
  - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
  - (d) That certain documents entitled **BLOCK 7G2 UUP**, on file in the office of the Public Works Department as Document No. **B-15085/21003598**, as well as all matters referenced therein.
- 2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **BLOCK 7G2 UUP**, Bid Number **K-18-1691-DBB-3**, San Diego, California.
- 3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
- 4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 5. This contract is effective as of the date that the Mayor or designee signs the agreement

**IN WITNESS WHEREOF**, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code **<u>§22.3102</u>** authorizing such execution.

THE CITY OF SAN DIEGO

By,

Print Name: Cindy Crocker Interim Deputy Director Public Works Contracts

18 Date:

APPROVED AS TO FORM

Mara W. Elliot, City Attorney

B١ Print Name: Deputy City Attorney Date:

CONTRACTOR

Print Name:\_\_Philip\_E. Waterman

Title: President

Date:\_\_\_\_\_5/11/18

City of San Diego License No.: B1974004617

State Contractor's License No.: 222252

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 10000002172

#### **CERTIFICATIONS AND FORMS**

The Bidder / Proposer, by submitting its electronic bid or proposal, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this submission are true and correct.

1

#### **BIDDER'S GENERAL INFORMATION**

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

# NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23 UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE 7106

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

## CONTRACTOR CERTIFICATION

#### DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

This company\_has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

#### AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

## CONTRACTOR CERTIFICATION

#### **CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE**

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

#### EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

#### EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

#### AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

whereas, on the \_\_\_\_\_ DAY OF \_\_\_\_\_, 2\_\_\_\_\_ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

#### BLOCK 7G2 UUP

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-18-1691-DBB-3**; SAP No. WBS/ IO **B-15085 / 21003598**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

**NOW, THEREFORE**, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

#### LIST OF SUBCONTRACTORS

#### **\*\*\*** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY **\*\*\*** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY **\*\*\*** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

| NAME, ADDRESS AND TELEPHONE NUMBER OF<br>SUBCONTRACTOR | DIR<br>Registration<br>Number | CONSTRUCTOR<br>OR DESIGNER | SUBCONTRACTOR<br>LICENSE NUMBER | type of<br>Work | DOLLAR<br>VALUE OF<br>SUBCONTRACT | MBE, WBE, DBE, DVBE,<br>OBE, ELBE, SLBE, SDB,<br>WoSB, HUBZone, OR<br>SDVOSBØ | WHERE<br>CERTIFIED<br>© | CHECK IF<br>JOINT<br>VENTURE<br>PARTNERSHIP |
|--|-------------------------------|----------------------------|---------------------------------|-----------------|-----------------------------------|---|-------------------------|---|
| Name:  |                               |                            |                                 |                 |                                   |   |                         |   |
| Address:   |                               |                            |                                 |                 |                                   |   |                         |   |
| City: State:   |                               |                            |                                 |                 |                                   |   |                         |   |
| Zip: Phone:  |                               |                            |                                 |                 |                                   |   |                         |   |
| Email:   |                               |                            |                                 |                 |                                   |   |                         | -   |
| Name:  |                               |                            | -                               |                 |                                   |   |                         |   |
| Address:   |                               |                            |                                 |                 |                                   |   |                         |   |
| City: State:   |                               |                            |                                 |                 |                                   |   |                         |   |
| Zip: Phone:  |                               |                            |                                 |                 |                                   |   |                         |   |
| Email:   |                               |                            |                                 |                 |                                   |   |                         |   |

O As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

|   | Certified Minority Business Enterprise                           | MBE     | Certified Woman Business Enterprise              | WBE      |
|---|--|---------|--|----------|
|   | Certified Disadvantaged Business Enterprise                      | DBE     | Certified Disabled Veteran Business Enterprise   | DVBE     |
|   | Other Business Enterprise  | OBE     | Certified Emerging Local Business Enterprise     | ELBE     |
|   | Certified Small Local Business Enterprise                        | SLBE    | Small Disadvantaged Business                     | SDB      |
|   | Woman-Owned Small Business                                       | WoSB    | HUBZone Business                                 | HUBZone  |
|   | Service-Disabled Veteran Owned Small Business                    | SDVOSB  |  |          |
| ٢ | As appropriate, Bidder shall indicate if Subcontractor is certif | ied by: |  |          |
|   | City of San Diego  | CITY    | State of California Department of Transportation | CALTRANS |
|   | California Public Utilities Commission                           | CPUC    |  |          |
|   | State of California's Department of General Services             | CADoGS  | City of Los Angeles                              | LA       |
|   | State of California  | CA      | U.S. Small Business Administration               | SBA      |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

#### NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

# \*\*\* PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY \*\*\* TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY \*\*\* SEE INSTRUCTIONS TO BID DERS FOR FURTHER INFORMATION

| NAME, ADDRESS AND TELEPHONE NUMBER OF<br>VENDOR/SUPPLIER | DIR Registration<br>Number | MATERIALS OR<br>SUPPLIES | DOLLAR VALUE<br>OF MATERIAL<br>OR SUPPLIES | SUPPLIER<br>(Yes/No) | MANUFACTURER<br>(Yes/No) | MBE, WBE, DBE,<br>DYBE, OBE, ELBE,<br>SLBE, SDB, WoSB,<br>HUBZONE, OR<br>SDVOSB@ | WHERE<br>CERTIFIED & |
|--|----------------------------|--------------------------|--|----------------------|--------------------------|--|----------------------|
| Name:  |                            |                          |  |                      |                          |  |                      |
| Address:   |                            |                          |  |                      |                          |  |                      |
| City: State:   |                            |                          |  |                      |                          |  |                      |
| Zip: Phone:  |                            |                          |  |                      |                          |  |                      |
| Email:   |                            |                          |  |                      | <u> </u>                 |  |                      |
| Name:  |                            |                          |  |                      |                          |  |                      |
| Address:   |                            |                          |  |                      |                          |  |                      |
| City: State:   |                            |                          |  |                      |                          |  |                      |
| Zip: Phone:  |                            |                          |  |                      |                          |  |                      |
| Email:   |                            | l                        |  |                      |                          | <u> </u>   |                      |

O As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):

| Ū. | Certified Minority Business Enterprise                          | MBE         | Certified Woman Business Enterprise              | WBE      |
|----|---|-------------|--|----------|
|    | Certified Disadvantaged Business Enterprise                     | DBE         | Certified Disabled Veteran Business Enterprise   | DVBE     |
|    | Other Business Enterprise                                       | OBE         | Certified Emerging Local Business Enterprise     | ELBE     |
|    | Certified Small Local Business Enterprise                       | SLBE        | Small Disadvantaged Business                     | SDB      |
|    | Woman-Owned Small Business                                      | WoSB        | HUBZone Business                                 | HUBZone  |
|    | Service-Disabled Veteran Owned Small Business                   | SDVOSB      |  |          |
| Ø  | As appropriate, Bidder shall indicate if Vendor/Supplier is cer | rtified by: |  |          |
|    | City of San Diego   | CITY        | State of California Department of Transportation | CALTRANS |
|    | California Public Utilities Commission                          | CPUC        |  |          |
|    | State of California's Department of General Services            | CADoGS      | City of Los Angeles                              | LA       |
|    | State of California   | CA          | U.S. Small Business Administration               | SBA      |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

#### **ELECTRONICALLY SUBMITTED FORMS**

#### THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions
- B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

#### **BID BOND**

#### See Instructions to Bidders, Bidder Guarantee of Good Faith (Bid Security)

KNOW ALL MEN BY THESE PRESENTS,

| That_        | SOUTHERN CONTRACTING COMPANY  | _ as Principal, and |
|--------------|---|---------------------|
|              | TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA                          | as Surety, are      |
| held a       | and firmly bound unto The City of San Diego hereinafter called "OWNER," I | n the sum of 10%    |
| <u>OF TH</u> | IE TOTAL BID AMOUNT for the payment of which sum, well and truly to       | be made, we bind    |
| ourse        | lves, our heirs, executors, administrators, successors, and assigns, join | tly and severally,  |
| firmly       | by these presents.  |                     |

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

BLOCK 7G2 UUP, BID NO. K-18-1691-DBB-3

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

| SIGNED AND | SEALED. | this | 23RD | day | of | APRIL | . 20 | 18 |
|------------|---------|------|------|-----|----|-------|------|----|
|            |         |      |      |     |    |       |      |    |

SOUTHERN CONTRACTING COMPANY (SEAL)

(Principal)

By: (Signature) PHILIP E. WATERMAN, PRESIDENT

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA (SEAL) (Surety)

BV:

(Signature) MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

| CALIFORNIA ALL-PURPOSE | ACKNOWLEDGMENT |
|------------------------|----------------|
|------------------------|----------------|

#### CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

| State of California |            | )   |  |
|---------------------|------------|---|--|
| County ofSAN DIEGO  |            | )   |  |
| On 4/23/2018        | before me, | HELEN E. WHEALDON, NOTARY PUBLIC          |  |
| Date                | · ·        | Here Insert Name and Title of the Officer |  |
| personally appeared |            | MARK D. IATAROLA                          |  |
|                     |            | Name(e) of Signer( <del>s)</del>          |  |

who proved to me on the basis of satisfactory evidence to be the person(e) whose name(e) Is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in hls/her/their authorized capacity(lee), and that by hls/her/their signature(e) on the instrument the person(e), or the entity upon behalf of which the person(e) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

Place Notary Seal Above

. ....

HELEN E. WHEALDON COMM. #2194350 Votary Public - California

San Diego County

Comm. Expires Apr. 28,

RO

2021

OPTIONAL Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

| Document Date:                      |
|-------------------------------------|
| bootinett bate.                     |
| Named Above:                        |
|                                     |
| Signer's Name:                      |
| Corporate Officer - Title(s):       |
| 🗆 Partner – 🗆 Limited 🗍 General     |
| 🗆 Individual 🛛 🖾 Attorney in Fact   |
| □ Trustee □ Guardian or Conservator |
| Other:                              |
| Signer Is Representing:             |
|                                     |

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| TRAVELERS  |
|------------|
| IKAVELEKJJ |

#### Travelers Casualty and Surety Company of America **Travelers Casualty and Surety Company** St. Paul Fire and Marine Insurance Company

#### POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casuality and Surety Company of America, Travelers Casuality and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Mark D. latarola, of Escondido, California, their true and lawful Attorney-In-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seais to be hereto affixed, this 3rd day of February, 2017.



State of Connecticut

City of Hartford ss.

Robert L. Raney, Seffior Vice President On this the 3rd day of February, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of

By:

Travelers Casually and Surety Company of America, Travelers Casually and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



marie c Litreault Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of Indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 23RD



Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880. Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.
| CALIFORNIA ALL-PURPOSE AC | KNOWLEDGMENT |
|---------------------------|--------------|
|---------------------------|--------------|

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the

 document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

 State of California
 )

 County of <u>San Diego</u>
 )

 On <u>04/23/2018</u>
 before me, <u>Lynn R. Murison-Eroles, Notary Public</u>

 Date
 Here Insert Name and Title of the Officer

 Philip E. Waterman
 Philip E. Waterman

Name(s) of Signer(s)

> I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Signature of Notary Public

Place Notary Seal Above

**OPTIONAL** 

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

| Description of                             | Attached Document   |  |  |
|--|---|--|--|
| Title or Type of                           | f Document: Bid Bond  | Docume   | ent Date: 04/23/2018   |
| Number of Pa                               | ges: <u>1</u> Signer(s) Other Thar  | n Named Above:   |  |
| Corporate O Partner — [ Individual Trustee | Claimed by Signer(s)<br>Philip E. Vvaterman<br>fficer — Title(s): <u>President</u><br>Limited 	General<br>Attorney in Fact<br>Guardian or Conservator | ☐ Corporate Offic<br>□ Partner — □ Li<br>□ Individual<br>□ Trustee | er — Title(s):<br>mited     □ General<br>□ Attorney in Fact<br>□ Guardian or Conservator |
| Signer Is Repre                            | esenting:   | Signer Is Represe  | nting:   |
|  |   |  |  |

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#### CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

#### CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
  - The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

| DATE OF<br>CLAIM | LOCATION | DESCRIPTION OF CLAIM                  | LITIGATION<br>(Y/N) | STATUS | RESOLUTION/RE<br>MEDIAL ACTION<br>TAKEN |
|------------------|----------|---------------------------------------|---------------------|--------|---|
|                  |          | · ·                                   |                     |        |   |
|                  |          | · · · · · · · · · · · · · · · · · · · |                     |        |   |
|                  |          |                                       | 1                   |        | · · · · · · · · · · · · · · · · · · ·   |
|                  |          | · · · · · · · · · · · · · · · · · · · |                     |        |   |
|                  |          |                                       |                     |        |   |
|                  |          | ······                                |                     |        |   |
|                  |          |                                       |                     |        |   |

Contractor Name: Southern Contracting Company

| Certified By | Philip E. Waterman | Title President |            |   |
|--------------|--------------------|-----------------|------------|---|
|              | Name               | Date _          | 05/01/2018 | - |

#### USE ADDITIONAL FORMS AS NECESSARY

Block 7G2 UUP Contractor's Certification of Pending Actions (Rev. Jan. 2018) 896 | Page

CITY CONTACT: Juan E. Espindola - Contract Specialist, Email: JEEspindola@sandiego.gov Phone No. (619) 533-4491

# **ADDENDUM A**





FOR

## **BLOCK 7G2 UUP**

| BID NO.:             | K-18-1691-DBB-3  |
|----------------------|------------------|
| SAP NO. (WBS/IO/CC): | B-15085/21003598 |
| CLIENT DEPARTMENT:   | 2116             |
| COUNCIL DISTRICT:    | 9                |
| PROJECT TYPE:        | НІ, Ц            |

## **BID DUE DATE:**

2:00 PM May 1<sup>st</sup>, 2018 CITY OF SAN DIEGO PUBLIC WORKS CONTRACTS 525 B STREET, SUITE 750, MS 908A SAN DIEGO, CA 92101 The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:

Shawn Hillers.

4/16/18

Seal:

Seal:

1) Registered Engineer

Date



and a start of 2) For City Engineer

4/16/18

Date



April 19, 2018 Block 7G2 UUP ADDENDUM A

## A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.** 

## B. BIDDER'S QUESTIONS

- Q1. It is assumed all testing will be provided and paid for by the COSD.
- A1. The City will cover the cost of testing and the trenching Contractor needs to schedule the testing with the City's Materials/Test Lab.
- Q2. It is assumed that all permit fees will be paid for by the COSD or waived for this project.
- A2. Permits involved with Traffic Control and electrical panel inspection are covered by the City.
- Q3. Does the COSD have a dump site for the excess trench soil material from the project? If so, and if other than Miramar Landfill, please advise location and dump fees, if any.
- A3. Excess trench soil material to be properly disposed at Miramar Landfill.
   Contractor to pay fee. Follow the City's Whitebook procedure in Section
   7-22 when encountering contaminated and/or hazardous trench soil
   materials. The City will cover the extra disposal cost.
- Q4. Does the COSD have a staging yard in the vicinity for this project?
- A4. The Contractor needs to obtain and maintain a staging yard.
- Q5. Please advise if Miramar Landfill will accept excess trench soil material from this site.
- A5. Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petromat/concrete) with a fee paid by the Contractor. They also accept unhazardous materials. Check their website for more information: <u>https://www.sandiego.gov/environmental-services/miramar</u>.

- Q6. Any SDGE standby personnel required for the project will be provided and paid for by SDGE.
- A6. A SDG&E standby personnel will be assigned to this project and paid by the City through SDG&E invoice.
- Q7. Will COSD consider waiving dump fees at Miramar Landfill for this project?
- A7. The Contractor shall cover the dump fee at Miramar Landfill.
- Q8. Any existing pole bracing or support necessary due to digging in close proximity will be provided by SDGE or AT&T at no charge to the contractor.
- A8. The Contractor shall be responsible for protecting any existing facilities in place at Contractor's expense, or if directed by the Resident Engineer.
- Q9. SDGE plan shows faint symbols for steel equipment barriers at some transformers. SDGE "DPSS" instructions do not require steel equipment barriers. Please clarify.
- A9. Barrier posts are required when above ground facilities are less than 5 feet from traffic.
- Q10. Some streetlight instructions mention meters for streetlights. Plans indicate a direct connection to SDGE service points. Please clarify.
- A10. The City's streetlights are unmetered.
- Q11. It is assumed #4/7str copper wire is acceptable at the streetlight pole base for "ufer" ground per COSD drawing E-2.
- A11. Follow the streetlight designs. 2-#10 wires (hot leg and neutral) and 1-#10 ground wire from City handhole to streetlight. 1-#10 ground goes from 3/4" ground rod in City handhole to lug on streetlight pole. #4 ufer ground attached to lug on pole which goes under streetlight pole per COSD E-2.

- Q12. Please confirm COSD SDG-107 Type 2 for asphalt street repair and SDG-108 for concrete street repair will be in place for this project.
- A12. SDG-107 shall be followed for trench cap for AC pavement; concrete trench patch shall be performed for concrete streets and alleys. The City will follow later with a separate street restoration project once all undergrounding work is completed to resurface all impacted AC streets and replace all concrete panels.
- Q13. Is SDGE Location 523 SCADA pole provided by SDGE or Contractor?
- A13. Location 522 SCADA pole shall be furnished and installed by the Contractor.
- Q14. Please define SDGE "DPSS" call outs "TIM TRT" and "ACC TRT".
- A14. These are terms for SDG&E internal accounting purpose, not affecting this contract.
- Q15. Please confirm if the Miramar Landfill will accept all Dirt spoils from the Block 7G2 UUP Project. The cost to dispose of clay materials and contaminated materials would be a significant cost to the City of San Diego. How will the City of San Diego compensate the Contractor if contaminated soil or materials are encountered during excavations?
- A15. Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petromat/concrete) with a fee paid by the Contractor. They also accept unhazardous materials. Please check their website for detail information:

https://www.sandiego.gov/environmental-services/miramar. Follow the City's Whitebook procedure in Section 7-22 when encountering contaminated and/or hazardous trench soil materials which the City will cover the extra disposal cost.

Q16. Section 5.4.1 states that locally hgh gravel and cobble content and cementation within the very old paraulic deposits may pose difficult excavation conditions even for heavy duty construction equipment. This would constitute hard conditions for both work in the right away and private property. How will the City compensate the Contractor for hard dig conditions?, and how will hard dig conditions be defined?

ADDENDUM A

- A16. Hard dig conditions shall not be defined and there shall be no additional compensation. Bid on the trenching Work based on the geotechnical report.
- Q17. Please confirm that this Construction Order is for the Contractor reference only and that the work is to be by the other crews and no civil work is required by the Contractor. If there is work for the Contractor please provide the Design By Location sheets for Construction Order No. 2434902.
- A17. Construction Order No. 2434902 will be completed by SDG&E.
- Q18. Please provide a better description of what is considered SDG&E first demarcation point.
- A18. SDG&E demarcation point is where SDG&E terminates their service cable, such as at a pull can, weather head or the meter panel when direct feed is feasible
- Q19. Please confirm that the Contractor will supply the substructures and pads for AT&T and Cox Cable.
- A19. The Contractor shall supply the substructures and pads for SDG&E facilities only.
- Q20. Will the City of San Diego provide Encroachment and Traffic control permit to Contractor at no cost?
- A20. There is no easement issue on this Project and the Contractor will perform work on private properties under Permit to Enter (PTE) provided by the City. Traffic Control permit will be issued to the Contractor at no cost.
- Q21. Will the City of San Diego provide any required comaction or soil testing to Contractor at no cost?
- A21. The City will cover the cost of testing and the trenching Contractor needs to schedule the testing with the City's Materials/Test Lab.

- Q22. It was mentioned in the prebid meeting that there is a list of SDG&E approved vendors, can you provide that list?
- A22. Ask SDG&E directly for their material vendor information.
- Q23. What Wage Decision Number are we to use for this Project?

Is Testing the responsibility of the Bidder or will the City be performing the Testing?

Will the City be accepting all the Soil Export for this project through the Miramar landfill Clean Fill Dirt Program?

A23. Compliance with Prevailing Wage Requirements can be found in Attachment D, Section 1.1.

Copies of the prevailing wage rate of per diem wages also may be found at <u>http://www.dir.ca.gov/OPRL/DPrewageDetermination.htm</u>

The City's Materials/Test Lab will perform the testing and the Contractor is required to schedule the testing.

Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petro mat/concrete) with a fee paid by the Contractor. They also accept unhazardous materials. Check their website for detail information: <u>https://www.sandiego.gov/environmental-services/miramar</u>. Follow the City's Whitebook procedure in Section 7-22 when encountering contaminated and/or hazardous trench soil materials and the City will cover the extra disposal cost.

- Q24. How will the City handle design changes in the field made by the utility? What will the process be for encountering unforeseen digging conditions? (rock, water, contamination, etc.)
- A24. The City's Resident Engineer shall make the decision on any construction scope change and the Contractor will be compensated through a Field Order/Change Order upon approval by the Resident Engineer.

Bid on the trenching Work based on the geotechnical report, there shall be no additional compensation. However, unforeseen soil conditions not shown in geotechnical report shall be discussed with the Resident Engineer, and shall be handled as a change order upon approval of the Resident Engineer.

## C. SUPPLEMENTARY SPECIAL PROVISIONS

- 1. To Attachment E, Technical Specifications, page 51, Section 01010 SUMMARY OF WORK, PART 1 – GENERAL, 1.1 General, Item B, **DELETE** in its entirety and **SUBSTITUTE** with the following:
  - B. The CONTRACTOR shall provide and install all SDG&E related materials, (conduits, pads, pull boxes, hand holes etc.), as indicated on the plans. Communication Companies will provide their own materials (conduits, pads, pull boxes, hand holes etc.) as indicated on the plans for the CONTRACTOR to install. Cable and EMT (Excess Metallic Tubing) shall only be provided and installed at home owners' properties from the meter to SDG&E's first demarcation point. SDG&E's first demarcation point can be defined as the point where SDG&E terminates their service wire via pull can, meyers adapter, loop and bond, extended loop and bond, or direct connect. At all locations buried conduits shall be installed by the CONTRACTOR with pull ropes ONLY (with labels as appropriate) and cabling will be installed by the respective utility owners.

James Nagelvoort, Director Public Works Department

Dated: *April 19, 2018* San Diego, California JN/RWB/Lad

CITY CONTACT: Juan E. Espindola, Contract Specialist, Email: JEEspindola@sandiego.gov Phone No. (619) 533-4491

# **ADDENDUM B**





FOR

## **BLOCK 7G2 UUP**

| BID NO.:             | K-18-1691-DBB-3   |
|----------------------|-------------------|
| SAP NO. (WBS/IO/CC): | B-15085, 21003598 |
| CLIENT DEPARTMENT:   | 2116              |
| COUNCIL DISTRICT:    | 9                 |
| PROJECT TYPE:        | HL IJ             |

## **BID DUE DATE:**

2:00 PM May 1, 2018 CITY OF SAN DIEGO PUBLIC WORKS CONTRACTS 525 B STREET, SUITE 750, MS 908A SAN DIEGO, CA 92101

## A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

## B. SUPPLEMENTARY SPECIAL PROVISIONS

- 1. To Section 7, Responsibilities of the Contractor, Subsection 7-13.4 Contractor Standards and Pledge of Compliance, **ADD** the following:
  - **7-13.4 Contractor Standards and Pledge of Compliance.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:
    - 1. The Contract is subject to City's Municipal Code §22.3004 as amended 10/29/13 by ordinance O-20316.
    - You shall complete a Pledge of Compliance attesting under penalty of perjury that you complied with the requirements of this section.
    - You shall ensure that all Subcontractors complete a Pledge of Compliance attesting under penalty of perjury that they complied with the requirements of this section.
    - 4. You shall require in each subcontract that the Subcontractor shall abide by the provisions of the City's Municipal Code §22.3004. A sample provision is as follows:

"Compliance with San Diego Municipal Code §22.3004: The Subcontractor acknowledges that it is familiar with the requirements of San Diego Municipal Code §22.3004 ("Contractor Standards"), and agrees to comply with requirements of that section. The Subcontractor further agrees to complete the Pledge of Compliance, incorporated herein by reference."

## C. CERTIFICATIONS AND FORMS

- 1. To the Electronically Submitted Forms, page 894 **DELETE** in its entirety and **SUBSTITUTE** with page 4 of this Addendum.
- 2. To the Electronically Submitted Forms, **ADD** Mandatory Disclosure of Business Interests form, page 5 of this Addendum.

James Nagelvoort, Director Public Works Department

Dated: *April 26, 2018* San Diego, California

JN/RWB/Lad

## ELECTRONICALLY SUBMITTED FORMS

## THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions
- B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM

## Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

#### Mandatory Disclosure of Business Interests Form

#### **BIDDER/PROPOSER INFORMATION**

| Legal Name          |       | DBA   |     |
|---------------------|-------|-------|-----|
| Street Address      | City  | State | Zip |
| ntact Person, Title | Phone | Fax   |     |

Provide the name, identity, and precise nature of the interest\* of all persons who are directly or indirectly involved\*\* in this proposed transaction (SDMC § 21.0103).

\* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

\*\* Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

| Name                        | Title/Position                               |  |
|-----------------------------|--|--|
| City and State of Residence | Employer (if different than Bidder/Proposer) |  |
| Interest in the transaction |  |  |

| Name |  |
|------|--|

Title/Position

City and State of Residence

Employer (if different than Bidder/Proposer)

Interest in the transaction

#### \* Use Additional Pages if Necessary \*

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Print Name, Title

Signature

Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

#### Mandatory Disclosure of Business Interests Form

| R/PROPOSER INFORMATION<br>Southern Contracting Com | oany                    | N/A                   |     |
|--|-------------------------|-----------------------|-----|
| Legal Name<br>559 N. Twin Oaks Valley R            | d., San Marcos, CA 9206 | DBA<br>9              |     |
| Street Address                                     | City<br>760-744-0760    | State<br>760-744-9691 | Zlp |
| Philip E. Waterman                                 | 100-144-0100            | 100 / 11 0001         |     |

Provide the name, identity, and precise nature of the interest\* of all persons who are directly or indirectly involved\*\* in this proposed transaction (SDMC § 21.0103).

\* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

\*\* Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

| Richard W. McBride                 | COB  |
|------------------------------------|--|
| Name                               | Title/Position                               |
| Escondido, CA                      |  |
| City and State of Residence<br>10% | Employer (if different than Bidder/Proposer) |
| Interest in the transaction        |  |
| Darlene Y. McBride                 | Secretary/Treasurer                          |
| Name                               | Title/Position                               |
| Escondido, CA                      |  |
| City and State of Residence        | Employer (if different than Bidder/Proposer) |
|                                    |  |

Interest in the transaction

#### \* Use Additional Pages if Necessary \*

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

| Philip E. Waterman, President | L) SE     | 05/01/2018 |
|-------------------------------|-----------|------------|
| Print Name, Title             | Signature | Date       |

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

April 26, 2018 Block 7G2 UUP ADDENDUM B

Page 5 of 5

#### Mandatory Disclosure of Business Interests Form

| DER/PROPOSER INFORMATION<br>Southern Contracting Com | bany                    | N/A                   |     |
|--|-------------------------|-----------------------|-----|
| Legal Name<br>559 N. Twin Oaks Valley R              | d., San Marcos, CA 9206 | DBA<br>9              |     |
| Street Address<br>Philip E. Waterman                 | City<br>760-744-0760    | State<br>760-744-9691 | Zip |
| Contact Person, Title                                | Phone                   | Fax                   |     |

Provide the name, identity, and precise nature of the interest\* of all persons who are directly or indirectly involved\*\* in this proposed transaction (SDMC § 21.0103).

\* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

**\*\*** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

| Philip E. Waterman                 | President                                    |
|------------------------------------|--|
| Name<br>Temecula, CA               | Title/Position                               |
| City and State of Residence<br>0%  | Employer (if different than Bidder/Proposer) |
| Interest in the transaction        |  |
| Timothy R. McBride                 | CEO  |
| Name<br>Escondido, CA              | Title/Position                               |
| City and State of Residence<br>90% | Employer (if different than Bidder/Proposer) |
| Interest in the transaction        |  |

Interest in the transaction

#### \* Use Additional Pages if Necessary \*

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

| Philip E. Waterman, President |           | 05/01/2018 |
|-------------------------------|-----------|------------|
| Print Name, Title             | Signature | Date       |

Failure to sign and submit this form with the bid/proposal\_shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

## Block 7G2 UUP (K-18-1691-DBB-3), bidding on May 1, 2018 2:00 PM (Pacific)

#### **Bid Results**

#### **Bidder Details**

| Vendor Name<br>Address | Southern Contracting Company<br>559 N. Twin Oaks Valley Road<br>San Marcos, CA 92069<br>United States |
|------------------------|---|
| Respondee              | Philip E. Waterman  |
| <b>Respondee Title</b> | President   |
| Phone                  | 760-744-0760 Ext. 616   |
| Email                  | pwaterman@southerncontracting.com   |
| Vendor Type            | Local   |
| License #              | 222252  |
| CADIR                  |   |

### **Bid Detail**

| Bid Format             | Electronic  |                      |
|------------------------|-------------|----------------------|
| Submitted              | May 1, 2018 | 1:52:51 PM (Pacific) |
| <b>Delivery Method</b> |             |                      |
| Bid Responsive         |             |                      |
| Bid Status             | Submitted   |                      |
| Confirmation #         | 140468      |                      |
| Ranking                | 0           |                      |
|                        |             |                      |

## **Respondee Comment**

## **Buyer Comment**

| Attach    | nments                                      |          |  |             |   |
|-----------|---|----------|--|-------------|---|
| File Titl | e   |          | File Name  | F           | іlе Туре  |
| Contrac   | tors Certificate of Pending Actions         |          | Contractors Certificate of Pending Actions.pdf     | Č           | ONTRACTOR'S<br>ERTIFICATION OF<br>ENDING ACTIONS    |
| Mandate   | ory Disclosure of Business Interests Form   |          | Mandatory Disclosure of Business Inerests Form.pdf | C           | ANDATORY DISCLOSURE<br>IF BUSINESS INTERESTS<br>ORM |
| Bid Bon   | d Block 7G2 UUP                             |          | Bid Bond Block 7G2 UUP.pdf                         | В           | id Bond   |
| Line h    | tems  |          |  |             |   |
| Туре      | Item Code                                   | UOM      | Qty Unit Price                                     | Line Total  | Comment   |
|           | Main Bid                                    |          |  |             |   |
| 1         | Bonds (Payment and Performance)             |          |  |             |   |
|           | 524126                                      | LS       | 1 \$60,869.00                                      | \$60,869.00 |   |
| 2         | Adjusting Electrical/Utility Box To Grade   |          |  |             |   |
|           | 237310                                      | EA       | 1 \$845.00   | \$845.00    |   |
| 3         | Adjust Survey Monument to Grade             |          |  |             |   |
|           | 237310                                      | EA       | 15 \$83.00   | \$1,245.00  | ,   |
| 4         | Curb Ramp Type "A" w/ Stainless Steel Detec | table Wa | ning Tile  |             |   |
|           | 237310                                      | EA       | 6 \$3,430.00                                       | \$20,580.00 | I   |

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Page 1

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PlanetBids, Inc.

Block 7G2 UUP (K-18-1691-DBB-3), bidding on May 1, 2018 2:00 PM (Pacific)

## **Bid Results**

|  |  | <br> |  |
|--|--|------|--|
|  |  |      |  |

| <b>Туре</b><br>5 | <b>Item Code</b><br>Curb Ramp Type "B" w/ Stainless Steel Dete | UOM<br>ectable Warning | <b>Qty</b><br>Tile | Unit Price  | Line Total Comment |
|------------------|--|------------------------|--------------------|-------------|--------------------|
|                  | 237310   | EA                     | 2                  | \$3,430.00  | \$6,860.00         |
| 6                | Curb Ramp Type "C1" w/ Stainless Steel De                      | etectable Warning      | j Tile             |             |                    |
|                  | 237310   | EA                     | 2                  | \$3,430.00  | \$6,860.00         |
| 7                | Curb Ramp Type "C1" Modified w/ Composi                        | te Detectable Wa       | arning Tile        |             |                    |
|                  | 237310   | EA                     | 1                  | \$3,430.00  | \$3,430.00         |
| 8                | Curb Ramp Type "C2" w/ Stainless Steel De                      | etectable Warning      | Tile               |             |                    |
|                  | 237310   | EA                     | 4                  | \$3,430.00  | \$13,720.00        |
| 9                | Curb Ramp Type "D" w/ Stainless Steel Det                      | ectable Warning        | Tile               |             |                    |
|                  | 237310   | EA                     | 10                 | \$3,430.00  | \$34,300.00        |
| 10               | Curb Ramp Case A w/ Stainless Steel Detec                      | ctable Warning T       | ile                |             |                    |
|                  | 237310   | EA                     | 5                  | \$3,430.00  | \$17,150.00        |
| 11               | Contractor Date Stamps and Impressions                         |                        |                    |             |                    |
|                  | 237310   | EA                     | 8                  | \$300.00    | \$2,400.00         |
| 12               | Trench Shoring   |                        |                    |             |                    |
|                  | 237110   | LS                     | 1                  | \$58,000.00 | \$58,000.00        |
| 13               | Adjust Water Meter   |                        |                    |             |                    |
|                  | 238210   | EA                     | 2                  | \$300.00    | \$600.00           |
| 14               | Traffic Control  |                        |                    |             |                    |
|                  | 237310   | LS                     | 1                  | \$60,000.00 | \$60,000.00        |
| 15               | Type Y-MID LED Luminaire with Adaptive C                       | ontrol                 |                    |             |                    |
|                  | 238210   | EA                     | 26                 | \$880.00    | \$22,880.00        |
| 16               | Type Y-INT LED Luminaire with Adaptive Co                      |                        |                    |             |                    |
|                  | 238210   | EA                     | 18                 | \$880.00    | \$15,840.00        |
| 17               | Type X LED Luminaire with Adaptive Contro                      |                        |                    |             |                    |
|                  | 238210   | EA                     | 4                  | \$880.00    | \$3,520.00         |
| 18               | Direct Burial Concrete Street Light Pole with                  |                        |                    |             |                    |
|                  | 238210   | EA                     | 48                 | \$4,344.00  | \$208,512.00       |
| 19               | 2-Inch PVC Conduit Per City Standards w/#                      |                        |                    |             |                    |
|                  | 238210   | LF                     | 3936               | \$23.13     | \$91,039.68        |
| 20               | 30 AMP Fuses, Cartridges, and Ground Rod                       |                        |                    |             |                    |
|                  | 238210   | EA                     | 43                 | \$140.00    | \$6,020.00         |

Printed 05/01/2018

Block 7G2 UUP (K-18-1691-DBB-3), bidding on May 1, 2018 2:00 PM (Pacific)

### **Bid Results**

Printed 05/01/2018

| Type | Item Code                                    | UOM | Qty   | Unit Price               | Line Total          | Comment |
|------|--|-----|-------|--------------------------|---------------------|---------|
| 21   | 10 AMP Fuses and Cartridges at Street Light  | EA  | 48    | \$50.00                  | \$2,400.00          |         |
|      | 238210                                       | ĻA  | -40   | φυσ.σσ                   | φ2,100.00           |         |
| 22   | No. 3 1/2 Pull Box                           | EA  | 94    | \$150.00                 | \$14,100.00         |         |
|      | 238210                                       | EA  | 94    | φ100.00                  | ψ14,100.00          |         |
| 23   | R/W Joint Trench Conduits Installation*      |     |       | <b>*</b> 0 <b>7</b> 0.00 | \$0.007.000.00      |         |
|      | 237110                                       | LF  | 13000 | \$279.00                 | \$3,627,000.00      |         |
| 24   | R/W Communication Only Conduits Installation |     |       |                          |                     |         |
|      | 237110                                       | LF  | 5500  | \$185.00                 | \$1,017,500.00      |         |
| 25   | SDGE Substructure and Installation*          |     |       |                          |                     |         |
|      | 238210                                       | EA  | 94    | \$800.00                 | \$75,200.00         |         |
| 26   | SDGE Equipment Pad and Installation*         |     |       |                          |                     |         |
|      | 238211                                       | EA  | 32    | \$255.00                 | \$8 <u>,</u> 160.00 |         |
| 27   | Communication Substructure Installation      |     |       |                          |                     |         |
|      | 238210                                       | EA  | 153   | \$225.00                 | \$34,425.00         |         |
| 28   | Private Property Conversion Work             |     |       |                          |                     |         |
|      | 238210                                       | EA  | 255   | \$5,047.00               | \$1,286,985.00      |         |
| 29   | Joint Meet and Cutover                       |     |       |                          |                     |         |
|      | 238210                                       | EA  | 255   | \$313.00                 | \$79,815.00         |         |
| 30   | Exclusive Community Liaison Services         |     |       |                          |                     |         |
|      | 541820                                       | LS  | 1     | \$525,000.00             | \$525,000.00        |         |
| 31   | SWPPP Development                            |     |       |                          |                     |         |
|      | 541330                                       | LS  | 1     | \$15,000.00              | \$15,000.00         |         |
| 32   | SWPPP Implementation                         |     |       |                          |                     |         |
|      | 237990                                       | LS  | 1     | \$30,000.00              | \$30,000.00         |         |
| 33   | SWPPP Permit Fee (EOC Type I)                |     |       |                          |                     |         |
|      | 541330                                       | LS  | 1     | \$1,000.00               | \$1,000.00          |         |
| 34   | Video Recording of Existing Conditions       |     |       |                          |                     |         |
|      | 238990                                       | LS  | 1     | \$2,040.00               | \$2,040.00          |         |
| 35   | Remove and Relocate Existing Sign and Post   |     |       |                          |                     |         |
|      | 238990                                       | EA  | 11    | \$150.00                 | \$1,650.00          |         |
| 36   | Mobilization I - Trench and Conduit          |     |       |                          |                     |         |
|      | 238210                                       | LS  | 1     | \$563,040.00             | \$563,040.00        |         |

Block 7G2 UUP (K-18-1691-DBB-3), bidding on May 1, 2018 2:00 PM (Pacific)

### **Bid Results**

| <b>Туре</b><br>37                            | Item Code<br>Mobilization II - CIP and              | UOM<br>Cutovers                                   | Qty         | Unit Price        | Line Total Con    | nment                               |
|--|---|---|-------------|-------------------|-------------------|-------------------------------------|
|  | 238210  | LS  | 1           | \$31,590.00       | \$31,590.00       |                                     |
| 38   | Field Orders (EOC Type                              | e ii)   |             |                   |                   |                                     |
|  |   | AL  | 1           | \$227,160.00      | \$227,160.00      |                                     |
|  |   |   |             | Subtotal<br>Total | \$8,176,735.68    |                                     |
|  |   |   |             | rotar             | \$8,176,735.68    |                                     |
| Subco  | ntractors   |   |             |                   |                   |                                     |
| Name &                                       | Address   | Description                                       | License Num | CADIR             | Amount            | Туре                                |
| Suite 17                                     | ancho Santa Fe<br>7<br>cos, CA 92078                | BID ITEM 34: Consultant;<br>SLBE - 17MM1441       | Consultant  | 1000055028        | \$2,040.00        | ELBE                                |
| P O BO                                       | , CA 92022  | TRAFFIC CONTROL PLANS:<br>Consultant; SLBE -      | 788289      | 1000004051        | <b>\$9,300.00</b> |                                     |
| AXL Gro<br>424 Puel<br>Encinitas<br>United S | bla St.<br>s, CA 92024                              | BID ITEM 30: Consultant;<br>SLBE                  | Consultant  | 00000             | \$525,000.00      | Cadir,Cau,DVBE,M<br>Ale,SLBE        |
| 13080 H                                      | And Shaw, Inc<br>wy 8 Business<br>CA 92021<br>tates | CONSTRUCTOR: Concrete<br>flat work; ELBE - 17AS14 | 986171      | 1000052129        | \$306,072.00      | Lat,Male,Elbe,Db<br>E,Mbe,Cadir,SDb |

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(R-2019-72)

## RESOLUTION NUMBER R- **311964**

## DATE OF FINAL PASSAGE \_\_\_\_\_ SEP 1 8 2018

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN DIEGO AUTHORIZING THE MAYOR TO AWARD AND EXECUTE A CONSTRUCTION CONTRACT WITH SOUTHERN CONTRACTING COMPANY FOR THE UTILITIES UNDERGROUNDING PROGRAM PILOT PROJECT BLOCK 7G2 IN THE ROLANDO COMMUNITY.

WHEREAS, this action will authorize the Mayor to award and execute a construction contract to Southern Contracting Company for construction services for Contract #K-18-1691-DBB-3 for the Utilities Undergrounding Program (UUP) pilot project (Project) Block 7G2 in the Rolando Community, for an amount not to exceed \$8,176,735.68; and

WHEREAS, the Council of the City of San Diego (Council) adopted Resolution R-309079 (Jul. 7, 2014), for Block 7G2 District Creation; and

WHEREAS, the UUP, which is administered by the Transportation & Storm Water Department (TSWD), benefits residents by facilitating conversion of overhead utility lines to safer and more reliable underground services, in addition to improving aesthetics of the community; and

WHEREAS, an existing Memorandum of Understanding (MOU) between San Diego Gas and Electric (SDG&E) and the City allows the City to use funds from the Underground Surcharge Fund to compensate SDG&E for reasonable costs incurred during design and construction of undergrounding projects; and

WHEREAS, the MOU also provides the City with the option of performing this work itself after giving adequate notice and, on September 1, 2015, the City notified SDG&E that it would be administering the design and construction for the following three pilot projects:

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a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l Esta de la companya de la companya de la companya de la companya de la companya de la companya de la companya de

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- Residential Block 7G2
- Residential Block 8R<sup>1</sup>
- Residential Block 4Y

WHEREAS, the Public Works Department (PWD) has agreed to deliver the design and construction of these as "pilot projects" with the possibility of taking on additional future projects if this pilot phase is successful; and

WHEREAS, this project includes undergrounding of approximately 2.5 miles of overhead lines and converting 268 properties to underground service; and

WHEREAS, Contract #K-18-1691-DBB-3 for the construction of Block 7G2 went through a competitive bid process advertised on March 22, 2018 with the bid opening date on May 1, 2018, and Southern Contracting Company was selected as the most qualified; NOW, THEREFORE,

BE IT RESOLVED, by the Council of the City of San Diego, as follows:

1. That the Mayor, or his designee, is authorized to award and execute the construction contract #K-18-1691-DBB-3 with Southern Contracting Company for the purpose of providing construction services in an amount not to exceed \$8,176,735.68, contingent upon the Chief Financial Officer furnishing one or more certificates certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasury, under the terms and conditions set forth in the Agreement, on file in the Office of the City Clerk as Document No. RR- **311.964** 

 That a resolution authorizing the Chief Financial Officer to expend an amount not to exceed \$8,176,735.68, of which \$7,679,523.14 is from Block 7G2, Internal Order 21003598, Fund 200217, Underground Surcharge Fund; \$497,212.54 is from Capital Improvement Program (CIP) A-ID.00001, Utilities Undergrounding Program, CIP WBS B-15085, Block 7G2 UUP-CIP, Fund 200218, Underground Surcharge - CIP, for the purpose of project construction with

-PAGE 2 OF 3-

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Southern Contracting Company, contingent upon the Chief Financial Officer furnishing one or more certificates certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasury.

APPROVED: MARA W. ELLIOTT, City Attorney

By Ryan P/Gerifv Deputy City Attorney

RPG:cw 08/23/18 Or.Dept: Public Works Department CC No.: 3000011308 Doc. No.: 1806210

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of <u>SEP 11 2018</u>.

ELIZABETH S. MALAND City Clerk

Deput

KEVIN L. FAULCONER, Mayor

## KEVIN L. FAULCONER, Mayor

<u>7/18/18</u> (date) Approved:

Vetoed:

(date)

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| Councilmembers  | Yeas | Nays | Not Present | Recused |
|-----------------|------|------|-------------|---------|
| Barbara Bry     | ø    |      |             |         |
| Lorie Zapf      | Z    |      |             |         |
| Chris Ward      | Z    |      |             |         |
| Myrtle Cole     | Ø    |      |             |         |
| Mark Kersey     | X    |      |             |         |
| Chris Cate      | Z    |      |             |         |
| Scott Sherman   |      |      |             |         |
| David Alvarez   | Ø    |      |             |         |
| Georgette Gomez |      |      |             |         |

Date of final passage SEP 1 8 2018

(Please note: When a resolution is approved by the Mayor, the date of final passage is the date the approved resolution was returned to the Office of the City Clerk.)

AUTHENTICATED BY:

KEVIN L. FAULCONER Mayor of The City of San Diego, California.

(Seal)

ELIZABETH S. MALAND City Clerk of The City of San Diego, California.

By Linda Irvin, Deputy

Office of the City Clerk, San Diego, California

Resolution Number R-

311964

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A second sec second San Diego on September 11, 2018, by the following vote:

YEAS:

## <u>BRY, ZAPF, WARD, COLE, KERSEY, CATE, SHERMAN</u> <u>ALVAREZ, GÓMEZ.</u>

NAYS:NONE.NOT PRESENT:NONE.RECUSED:NONE.

### AUTHENTICATED BY:

#### **KEVIN L. FAULCONER**

Mayor of The City of San Diego, California

## ELIZABETH S. MALAND

City Clerk of The City of San Diego, California

(Seal)

By: <u>Hinda Sprin Deputy</u>

I HEREBY CERTIFY that the above and foregoing is a full, true and correct copy of RESOLUTION NO. <u>R-311964</u>, approved on <u>September 11, 2018</u>. The date of final passage is <u>September 18, 2018</u>.

#### **ELIZABETH S. MALAND**

City Clerk of the City of San Diego, California

(Seal)

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By: <u>Hindastruen</u>, Deputy

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