

City of San Diego

CONTRACTOR'S NAME: KTA Construction, Inc.
ADDRESS: 821 Tavern Rd. Alpine, CA 91901
TELEPHONE NO.: (619) 562-9464 **FAX NO.:** _____
CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491
A. Nour / R. Bustamante / W. Falkenstein

BIDDING DOCUMENTS



FOR

SEWER AND AC WATER GROUP 1032

BID NO.: K-20-1933-DBB-3
SAP NO. (WBS/IO/CC): B-17104, B-17105
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 8
PROJECT TYPE: JA, KB

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:

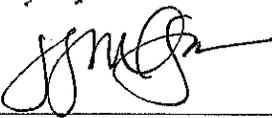
2:00 PM
APRIL 10, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

03/06/2020

Date

Seal:



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REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification	At Time of Bid	ALL BIDDERS
6.	Bid Bond (Original)	By 5PM Next Business Day After Bid Opening	5 APPARENT LOW BIDDERS
7.	SLBE Good Faith Effort Documentation	Within 3 working days of bid opening	ALL BIDDERS
8.	Form AA60 – List of Work Made Available	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
9.	Phased Funding Schedule Agreement	Within 10 working days of receipt by the bidder of the Notice of Intent to Award.	APPARENT LOW BIDDER

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
10.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
11.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	APPARENT LOW BIDDER
12.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	APPARENT LOW BIDDER
13.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Sewer and AC Water Group 1032**. This project also will improve the curb ramps and street pavement and construct storm water permanent BMP (Best Management Practice). For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This solicitation is subject to full and open competition and may be bid by Contractors on the City's approved Prequalified Contractors List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$13,630,000**.
4. **BID DUE DATE AND TIME ARE: APRIL 10, 2020 at 2:00 PM.**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classifications: **A OR C-34**
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	9.1%
2. ELBE participation	13.2%
3. Total mandatory participation	22.3%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
 - 7.2.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on a Universal Serial Bus (USB) Type-A, Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach 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.

GFE shall be submitted to:
Public Works Contracts
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Juan E. Espindola

8. AWARD PROCESS:

- 8.1.** 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.
- 8.2.** 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.
- 8.3.** 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.
- 8.4.** The low Bid will be determined by the Base Bid plus all the Alternates.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone; or for the Base bid plus one or more alternates.

9. SUBMISSION OF QUESTIONS:

- 9.1.** 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
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Juan E. Espindola

OR:

JEEspindola@sandiego.gov

- 9.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.

- 9.3.** 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.
- 9.4.** 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.
- 10. PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.
- 11. ADDITIVE/DEDUCTIVE ALTERNATES:**

 - 11.1.** The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.
 - 11.2.** For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

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.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification>
- 1.5. 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 [PlanetBids™](#).

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: <http://www.sandiego.gov/cip/bidopps/index.shtml> 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 an 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.
- 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 who 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, EOCB 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. Important Note: 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 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>

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 14 Calendar Days after receiving the Contract forms.

7. INSURANCE REQUIREMENTS:

7.1. 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.

7.2. Refer to sections 5-4, "INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

8. 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") http://www.greenbookspecs.org/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2018	PWPI030119-05

Title	Edition	Document Number
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 4 (CA MUTCD Rev 4) http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPI030119-08
<p>NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml</p> <p>*Electronic updates to the Standard Drawings may also be found in the link above</p>		

9. **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.
10. **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.
11. **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.
12. **SUBCONTRACTOR INFORMATION:**
- 12.1. **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 – Section 3-2, “SELF-PERFORMANCE”, 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.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, 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 California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address, license number, DIR registration number of any Subcontractor – regardless of tier** - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

12.2. 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.

12.3. 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.

13. SUBMITTAL OF “OR EQUAL” ITEMS: See Section 4-6, “Trade Names” in The WHITEBOOK and as amended in the SSP.

14. AWARD:

14.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.

14.2. 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.

- 14.3.** 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.
- 15. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 3-2, "SELF-PERFORMANCE" 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.
- 16. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
- 17. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** 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.
- 18. 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.
- 19. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 19.1.** 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.
- 19.2.** 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.
- 19.3.** 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.

- 19.4.** 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. By 5PM the next business day after the bid opening date, the first five apparent low bidders must provide the City with the original bid security.
- 19.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original by 5PM the next business day after bid opening date shall cause the bid to be rejected and deemed **non-responsive**.

Original Bid Bond shall be submitted to:
Public Works Contracts
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
To the Attention of the Contract Specialist on the Front Page of this solicitation.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3.** 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.
- 20.4.** 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.
- 20.5.** 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.
- 20.6.** 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.
- 20.7.** 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.

20.8. 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.

21. BID RESULTS:

21.1. 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.

21.2. 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.

22. THE CONTRACT:

22.1. 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.

22.2. 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.

22.3. 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.

22.4. 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.

- 22.5.** 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 by 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.
- 23. 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 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", 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.
- 24. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 24.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 24.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 24.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 24.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 24.5.** 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.
- 24.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 24.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 25. PRE-AWARD ACTIVITIES:**
- 25.1.** 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**.

- 25.2.** 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.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

KTA Construction, Inc. a corporation, as principal, and
The Guarantee Company of North America USA 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 Thirteen Million
Three Hundred Fifty Three Thousand Nine Hundred Forty Eight Dollars and Thirty Six Cents
(\$13,353,948.36) for the faithful performance of the annexed contract, and in the sum of Thirteen
Million Three Hundred Fifty Three Thousand Nine Hundred Forty Eight Dollars and Thirty Six Cents
(\$13,353,948.36) for the benefit of laborers and material men 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.

The Surety expressly agrees that the City of San Diego may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

The Surety shall not utilize Principal in completing the improvements and work specified in the Agreement, nor shall Surety accept a bid from Principal for completion of the improvements and work specified in the Agreement if the City of San Diego, when declaring the Principal in default,

notifies Surety of the City of San Diego's objection to Principal's further participation in the completion of the improvements and work specified in the Agreement.

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

Dated September 14, 2020

Approved as to Form:

KTA Construction, Inc.

Principal

By [Signature]

Paul M. Henderson
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By [Signature]

Deputy City Attorney

The Guarantee Company of North America USA

Surety

By Lawrence F. McMahon

Digitally signed by Lawrence F. McMahon
Date: 2020.09.14 13:51:52 -07'00'



Attorney-in-fact
Lawrence F. McMahon

Approved:

By [Signature]

James Nagelvoort
Director

Engineering & Capital Projects Department

6303 Owensmouth Avenue, 10th Floor

Local Address of Surety

Woodland Hills, CA 91367

Local Address (City, State) of Surety

(248) 281-0281

Local Telephone No. of Surety

Premium \$90,874.00

Premium subject to adjustment based on final contract price.

Bond No. 12109286

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 of San Diego

On September 14, 2020 before me, Maria Guise, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Lawrence F. McMahon
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~is~~ subscribed to the within instrument and acknowledged to me that he/~~she/it~~ executed the same in his/~~her/its~~ authorized capacity(~~ies~~), and that by his/~~her/its~~ signature(~~s~~) on the instrument the person(~~s~~), 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.

Signature Maria Guise
Signature of Notary Public Maria Guise



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing: Surety Company

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing: _____



The Guarantee Company of North America USA
Southfield, Michigan

POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS: That **THE GUARANTEE COMPANY OF NORTH AMERICA USA**, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint **Lawrence F. McMahon, Maria Vhanneza Guise, Janice Martin, Sarah Myers, James D. Castle** its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon **THE GUARANTEE COMPANY OF NORTH AMERICA USA** as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of **THE GUARANTEE COMPANY OF NORTH AMERICA USA** at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner – Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, **THE GUARANTEE COMPANY OF NORTH AMERICA USA** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 26th day of May, 2020.



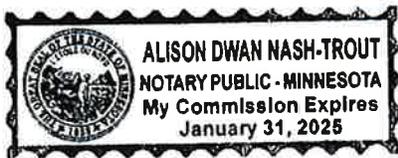
THE GUARANTEE COMPANY OF NORTH AMERICA USA

Paul J. Brehm, Senior Vice President

Chad A. Anderson, Senior Vice President Specialty

**STATE OF MINNESOTA
Hennepin County**

On this 26th day of May, 2020 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of said Company.



IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

I, Chad A. Anderson, Senior Vice President of **THE GUARANTEE COMPANY OF NORTH AMERICA USA**, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by **THE GUARANTEE COMPANY OF NORTH AMERICA USA**, which is still in full force and effect



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 14th day of September, 2020

Chad A. Anderson, Senior Vice President Specialty

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

- 1. SCOPE OF WORK:** The Work shall be performed in accordance with: Construction of approximately 11,763 Lf (2.23 miles) of Polyvinyl Chloride (PVC) sewer mains to replace existing 6-inch, 8-inch, 10-inch and 12-inch diameter Vitrified Clay (VC) sewer mains, including associated laterals manholes, cleanouts and all other appurtenances. This project also includes replacement of approximate 200 Lf of existing 10-inch PVC sewer main using trenchless method.

Construction of approximately 16,819 Lf (3.19 miles) of Polyvinyl Chloride (PVC) water mains to replace existing 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 16-inch, and 20-inch Asbestos Cement (AC) water mains, including all associated water services and fire hydrants. This project also includes replacement of approximately 200 Lf of existing 12-inch AC water main using trenchless method and abandonment of a total of 5,599 Lf (1.06 miles) of existing AC water mains. Improvement of curb ramps, resurfacing, etc and construction of storm water permanent BMP (Best Management Practice).

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids and Plans numbered **40915-01-D** through **40915-70-D** and **40915-T01-D through 40915-T24-D**, inclusive.

- 2. LOCATION OF WORK:** The location of the Work is as follows:

Refer to **Appendix E** – Location Map

- 3. CONTRACT TIME:** The Contract Time for completion of the Work shall be **460 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:

1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 7-3, "PAYMENT."

1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:

1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.

1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

2. POST-AWARD

2.1. Do not start any construction activities for the next phase until the Notice to Proceed (NTP) has been issued by the City. The City will issue a separate NTP for each phase.

2.2. The City may issue the NTP for a subsequent phase before the completion of the preceding phase.

PHASED FUNDING SCHEDULE AGREEMENT

The particulars left blank below, such as the total number of phases and the amounts assigned to each phase, will be completed with funding specific information from the Pre-Award Schedule and Construction Cost Loaded Schedule submitted to and approved by the City.

BID NUMBER: K-20-1933-DBB-3

CONTRACT OR TASK TITLE: Sewer and AC Water Group 1032

CONTRACTOR: KTA Construction, Inc.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in phase I, shall include bonds, mobilization, video recording of existing condition, installation of sewer mains, manholes, and sewer laterals on plan sheets 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, and 20, and installation of water mains, water services, and all the appurtenances on plan sheets 21, 22, 25, 26, 27, 29, 30, 42, 43	NTP	Sep 1, 2021	\$2,383,852.00 (W) \$2,579,703.00 (S)
2	Work to be completed in phase II, shall include installation of sewer mains, manholes, sewer laterals of plan sheets 14,15,18, and 19, and installation of water mains, water services, all the appurtenances of plan sheets 23, 24, 28, and 31 through 41, street resurfacing, and curb ramp improvement.	Sep 2, 2021	NOC	\$5,529,150.55 (W) \$2,861,242.81 (S)
Contract Total				\$13,353,948.36

Notes:

- 1) WHITEBOOK section 7-3.10, "Phased Funding Compensation" applies.
- 2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- 3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by written modifications to the CONTRACT.

CITY OF SAN DIEGO

PRINT NAME: Nabil Batta
Construction Senior Engineer

Signature: Nabil Batta

Date: 12/31/2020

PRINT NAME: Janice Jaro
Design Senior Engineer

Signature: Janice Jaro

Date: 12/3/2020

CONTRACTOR

PRINT NAME: PAUL M. HENDERSON

Title: PRESIDENT

Signature: Paul M. Henderson

Date: 12/3/20

ATTACHMENT C
RESERVED

ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

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 <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. 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, each successive predetermined wage rate shall apply to 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 sections 1810 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 Prevailing Wage Unit at 858-627-3200.

- 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 Contractor shall provide the list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Contract prior to any work being performed; and the Contractor shall provide a complete list of all subcontractors with each invoice. Additionally, Contractor shall provide the City with a complete list of all subcontractors (regardless of tier) utilized on this contract within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Construction Management Professional until at least thirty (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 1.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

1. The **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Construction Contracts.

SECTION 1 – GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS. To the "WHITEBOOK", items 43, 56, 69, and 102, DELETE in their entirety and SUBSTITUTE with the following:

43. **Field Order** - A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, "EXTRA WORK" or 2-9, "CHANGED CONDITIONS". A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract.
56. **Notice of Completion (NOC)** - A document recorded with the County of San Diego to signify that the Contract Work has been completed and accepted by the City.
69. **Punchlist** - A list of items of Work or corrections generated after a Walk-through that is conducted when you consider that the Work and Services are complete, and as verified by the Owner. The Punchlist may be completed in phases if defined in the Contract.
102. **Walk-through** - The procedure the City uses to evaluate the status of the Project or the phase of the Project and to generate a Punchlist prior to Acceptance.

To the "WHITEBOOK", item 54, "Normal Working Hours", ADD the following:

The Normal Working Hours are 8:30 AM to 3:30 PM. Please also refer to section 6-1.3, "Work Outside Normal Working Hours".

To the "WHITEBOOK", ADD the following:

108. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.

109. **Acceptance of Work** – When all of the Contract work is deemed officially complete, including all Punchlist items, by the Owner.
110. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.

1-7.1.3

Requests for Information (RFI). To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

- a) Should You discover a conflict, omission, errors in the Contract Documents, differences with existing field conditions, or have any questions concerning interpretation or clarification of Contract Documents, or when you propose deviations to the standards or design, you shall submit a Request for Information (RFI) to the City regarding your question or clarification within **1 Working Day**.
- b) Your RFI shall meet the following requirements:
 - a) All RFIs, whether by You or your Subcontractor or supplier at any tier, shall be submitted by You to the City.
 - b) RFIs shall be numbered sequentially.
 - c) You shall clearly and concisely set forth the single issue for which interpretation or clarification is sought, indicate Specification Section numbers, Contract Drawing numbers, and details, or other items involved, and state why a response is required from the City.
 - d) RFIs shall be submitted within **1 Working Day** in order that they may be adequately researched and answered before the response affects any critical activity of the Work.
 - e) Should You believe that a response to an RFI causes a change to the requirements of the Contract, You shall, before proceeding, give written notice to the City, indicating that You believe that City response to the RFI to be a Change Order. Failure to give such written notice within **5 Working Days** of receipt of the City's response to the RFI shall waive Your right to seek additional time or cost.
- c) The City will respond to RFIs within **5 Working Days** unless the City notifies You in writing that a response will take longer. The **5 Working Days** shall begin when the RFI is received and dated by the City. Responses from the City will not change any requirement of the Contract unless so noted by the City in the response to the RFI. The City will not issue a Change Order for Extra Work or additional time when the issue raised in the RFI was due to your fault, neglect, or any unauthorized deviations from the project design or specifications.
- d) If You proceed in resolving a conflict, omission, or any error in the Contract Documents without sending the City an RFI in accordance with the requirements stated above, the City may require You to remove such work at Your cost or back charge You the cost to remove this work.

SECTION 2 - SCOPE OF THE WORK

2-2 PERMITS, FEES, AND NOTICES. To the "WHITEBOOK", ADD the following:

2. The City will obtain, at no cost to you, the following permits:
 - a) Caltrans Permit
 - b) Replumb Agreements
 - i. 115 Alverson Rd, San Ysidro CA 92173
 - ii. 119-21 Alverson Rd, San Ysidro CA, 92173
 - iii. 2370 Smythe Ave, San Ysidro, CA 92173
 - iv. 307-11 San Ysidro Blvd West, San Ysidro, CA 92173

SECTION 3 - CONTROL OF THE WORK

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 50% of the base Bid.

3-8.4 Supporting Information. To the "WHITEBOOK", ADD the following:

4. You shall collect and submit rehabilitation data spreadsheets along with monthly invoices for the following rehabilitation Work (see **Appendix L - Rehabilitation Data Collection - Sample Data Template**).
 - a) Manholes

3-8.7 Contractor's Quality Control Plan (QCP). To the "WHITEBOOK", ADD the following:

7. The establishment and implementation of a Quality Control Plan (QCP), as defined in the standard specifications, shall be required for this Contract. See example in **Appendix G - Sample Contractor's Daily Quality Control Inspection Report**.

3-8.7.1 QCP Submittal. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The QCP shall be organized to address, at a minimum, the following items:
 - a) Quality Control Administrator
 - b) Surface preparation and paving schedule
 - c) Inspection and documentation requirements (Daily Quality Control Inspection Report)
 - d) Material quality control testing plan
 - e) Documentation of quality control activities

- f) Procedures for corrective action when quality control and/or acceptance criteria are not met
- g) If paving Work will be in areas prone to shade, provide curing time of product

3-8.7.4 Documentation. To the "WHITEBOOK", item 3, section "a", subsection "viii", DELETE in its entirety and SUBSTITUTE with the following:

- viii. Documentation that the following have been verified to be in compliance:
 - Proper storage of materials and equipment.
 - Proper operation of all equipment.
 - Adherence to plans and technical specifications.
 - Review of quality control tests.
 - Safety inspection.
 - Mixing properties of products against the approved submittal limits.

3-9 TECHNICAL STUDIES AND SUBSURFACE DATA. To the "WHITEBOOK", ADD the following:

- 5. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests at the Work Site:
 - a) Report of Geotechnical dated Feb 25, 2020 by Twining INC.
- 6. The reports listed above are available for review at the following link:
<https://filecloud.sandiego.gov/url/77ie3xamnaymg86i>

3-12.1 General. To the "WHITEBOOK", ADD the following:

- 2. You shall provide a PM-10 certified self-loading motorized street sweeper equipped with a functional water spray system for this project.
- 3. You shall sweep all paved areas within the Work site and all paved haul routes as specified below:
 - a) Every Friday on a weekly basis.
 - b) 1 Working Day prior to each rain event.
 - c) As directed by the Engineer.

If these requirements would require you to sweep on a Holiday or Weekend, then you shall sweep the next available Working Day prior to that Holiday or Weekend.

3-12.7 Drinking Water Discharges Requirements. To the "WHITEBOOK", ADD the following:

1. You shall record the results for each discharge event on the City's Drinking **Drinking Water Discharge Monitoring Form.**

3-12.8.7 Hazardous Waste Operations and Emergency Response (HAZWOPER) Certificate. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. If flammable liquids or other hazardous wastes are encountered during dewatering activities, construction staff shall be required to have a HAZWOPER certificate in accordance with 5-15.1, "General" and in compliance with CCR Title 8, Section 5192 and 29 CFR, Part 1910.

3-12.8.8 Payment. To the "WHITEBOOK", item 3, ADD the following:

- e) Submit supporting invoices and a Schedule of Values for the Lump Sum Bid item for "Dewatering Hazardous Contaminated Water" in accordance with 7-2.1, "Schedule of Values (SOV)". The SOV shall itemize the Work to show the following:
 - i. All costs associated with handling contaminated groundwater specified in 3-12.8.6, "Dewatering System", and 3-12.8.7, "Hazardous Waste Operations and Emergency Response (HAZWOPER) Certificate".
 - ii. All costs associated with equipment used for dewatering hazardous contaminated groundwater, including costs for mobilization and demobilization.
 - iii. All rental and operating costs for equipment used for dewatering contaminated groundwater.

ADD the following:

6. The payment for Hazardous Waste Operations and Emergency Response (HAZWOPER) certification and training for construction staff shall be paid in accordance with 5-15.17, "Payment".

3-13.1 Completion. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit a written assertion that the Work has been completed and is ready for Owner Acceptance. If, in the Engineer's judgment, the Work has been completed in accordance with the Contract Documents, the Engineer will set forth in writing the date the Work was completed. This will be the date that you are relieved from responsibility to protect and maintain the Work and to which liquidated damages will be computed.

3-13.1.1 Requirements Before Requesting a Walk-through. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-13.1.1 Requirements Before Requesting Substantial Completion.

1. The following items are required prior to requesting a Substantial Completion:
 - a) Remove temporary facilities from the Site.

- b) Thoroughly cleaning the Site and removing all mark outs and construction staking.
- c) Provide completed and signed Red-lines in accordance with 3-7.3 "Redlines and Record Documents".
- d) Provide all material and equipment maintenance and operation instructions and/or manuals.
- e) Provide all tools which are permanent parts of the equipment installed in the Project.
- f) Provide and properly identify all keys for construction and all keys for permanent Work.
- g) Provide all final Special Inspection reports required by the applicable building Code.
- h) Provide all items specified to be supplied as extra stock. Wrap, seal, or place in a container all items as necessary to allow for storage by the City for future use. Verify the specified quantities.
- i) Ensure that all specified EOCP and certified wage rate documentations covering the Contract Time have been submitted.
- j) Provide the spare parts for the proposed irrigation system as specified in the Special Provisions.
- k) If the Work includes sewer and storm drain installations, the inspection shall include televising in accordance with 306-18, "VIDEO INSPECTION".
- l) If the Work includes a Plant Establishment Period, Work in accordance with 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT" shall be completed prior to requesting Substantial Completion, unless approved otherwise by the Owner.
- m) Notify the Engineer to arrange a final inspection of permanent BMPs installed.

3-13.1.2 Walk-through and Punchlist Procedure. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall notify the Engineer 15 Working Days in advance of date of anticipated Substantial Completion to allow time for Engineer to schedule a Walk-through. After you complete the requirements in 3-13.1.1, "Requirements Before Requesting Substantial Completion" and when you consider that the Work is Substantially Complete, you will notify the Engineer in writing that the Project is Substantially Complete. The Engineer will review your request and determine if the Project is ready for a Walk-through, by verifying whether you have completed all items as required by 3-13.1.1, "Requirements Before Requesting Substantial Completion". Within 7 Working Days, the City will either reject your request of a Walk-through in writing or schedule a Walk-through inspection. The Engineer shall facilitate the Walk-through.

2. The following documents shall be provided at the time of your Walk-through request: As-Built markup, Plans, specifications, technical data such as submittals and equipment manuals, draft final payment, warranties, material certifications, bonds, guarantees, maintenance service agreements, and maintenance and operating manuals.
3. Written warranties, except manufacturer's standard printed warranties, shall be on a letterhead addressed to you. Warranties shall be submitted in the format described in this section, modified as approved by the City, to suit the conditions pertaining to the warranty. Lack of submitting these items will delay start of Walk-through.
4. The Engineer will provide you with the Punchlist within 15 Working Days after the date of the Walk-through. The City shall not provide a preliminary Punchlist.
5. If the Engineer finds that the Project is not Substantially Complete as defined herein, the Engineer will terminate the Walk-through and notify you in writing.
6. If, at any time during the Engineer's evaluation of the corrective Work required by the Punchlist, the Engineer discovers that additional corrective Work is required, the Engineer may include that corrective Work in the Punchlist.
7. You shall remain solely responsible for the Project Site until the Project is completely operational, all Punchlist items have been corrected, and all operation and maintenance manuals have been accepted by the City.
8. The Engineer shall meet with you until all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days, and Working Days will continue to be counted until Acceptance of the Project.

3-13.2 Acceptance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall provide the completed, signed, and stamped DS-563 to the Engineer prior to Acceptance.
2. You shall deliver the final As-builts and final billing prior to Acceptance.
3. You shall assemble and deliver to the Engineer a Final Summary Report and Affidavit of Disposal prior to Acceptance.
4. Acceptance shall occur after all of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.
5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

3-13.3

Warranty. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date the Work was accepted by the City unless the City has Beneficial Use or takes Occupancy of the project earlier (excluding water, sewer, and storm drain projects).
2. You shall warranty the Work free from all latent defects for 10 years and patent defects for a period of 4 years.
3. The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence on the date they are placed into service at the direction of the Engineer in writing.
4. All express warranties from Subcontractors, manufacturers', or Suppliers', of any tier, for the materials furnished and Work performed shall be assigned, in writing, to the City, and shall be delivered to the Engineer prior to the Acceptance of your performance of the Contract.
5. Replace or repair defective materials and workmanship in a manner satisfactory to the Engineer after notice to do so from the Engineer and within the time specified in the notice. If you fail to make such replacements or repairs within the time specified in the notice, the City may perform the replacement or repairs at your expense. If you fail to reimburse the City for the actual costs, your Surety shall be liable for the cost
6. Items that shall be warranted free from defective workmanship and materials for a period longer than 1 year are as follows:

Specified Item	Minimum Warranty Period
Detectable Warning Tile Construction	3 Years of Manufacturer's Warranty
All Work Under SECTION 500 - PIPELINE REHABILITATION	3 Years
Fiber Optic Interconnect Cables	2 Years
Luminaires*	10 Years of Manufacturer's Warranty
LED Signal Modules	3 Years of Manufacturer's Warranty
Field Devices Associated with 700-6.3, "Adaptive Control Note"	See 700-6.3.9, "Warranty"

* Provide documentation verifying that the induction luminaire models being offered for the Project are covered by the 10 year warranty.

7. You shall provide the City and property owner a copy of the manufacturer's warranty for private sewer pumps, including the alarm panel and all other accessories.

- a) You shall involve the manufacturer in the installation and startup as needed to secure any extended warranty required.
- b) Nothing in here is intended to limit any manufacturer's warranty which provides the City with greater warranty rights than set forth in this section or the Contract Documents.
- c) The warranty shall include all components. The form of the warranty shall be approved by the Engineer in accordance with **3-13.3.2**, "Warranty Format Requirements".
- d) If, during the warranty period, any item of the Work is found to be Defective Work, you shall correct it promptly after receipt of written notice from the City to do so. The warranty period shall be extended with respect

3-15.3 Coordination. To the "WHITEBOOK", ADD the following:

- 2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Sewer and AC Water Group 1032 in the intersection of Olive Dr and E San Ysidro Blvd. See **Appendix F – Adjacent Projects Map** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) AC Water and Sewer Group 1040, PM Azin Nour, ANour@sandiego.gov or phone 619-533-5227.
 - b) W San Ysidr BL & Sunset Lane, PM Kharman Tawfiq , KTawfiq@sandiego.gov or phone: 619-533-3771 or PM Melissa Fitzgerald-Clanton, MFitzgerald@sandiego.gov or phone: 619-533-3178.
 - a. This project will construct the curb ramps, median, and bus station at the intersection of Sunset Ln and W San Ysidro Blvd. Their construction needs to be coordinated after water and sewer main installation by "Sewer and AC Water Group 1032" and before street resurfacing by "Sewer and AC Water Group 1032". This section to be scheduled early in construction.

SECTION 4 - CONTROL OF MATERIALS

4-3.6 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.

4-6 TRADE NAMES. To the "WHITEBOOK", ADD the following:

- 11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City's Product Submittal Form available at: <http://www.sandiego.gov/publicworks/edocref/index.shtml>

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-4 INSURANCE. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

5-4 INSURANCE.

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

5-4.1 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.

5-4.2 Types of Insurance.

5-4.2.1 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:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
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

5-4.2.2 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.

5-4.2.3 Contractors Pollution Liability Insurance.

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor’s insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either “insured vs. insured” claims or contractual liability.
5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be

procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.

6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. The deductible shall not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies shall be procured before the Work commences and shall be maintained for the duration of this Contract. Claims Made policies shall be procured before the Work commences, shall be maintained for the duration of this contract, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work under this Contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.3 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.

5-4.3.1 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.

5-4.4 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.

5-4.5 Policy Endorsements.

5-4.5.1 Commercial General Liability Insurance.

5-4.5.1.1 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.

5-4.5.1.2 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.

5-4.5.1.3 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.

5-4.5.2 Commercial Automobile Liability Insurance.

5-4.5.2.1 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.

5-4.5.3 Contractors Pollution Liability Insurance Endorsements.

5-4.5.3.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to 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.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because

of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

5-4.5.3.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. 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.

5-4.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

5-4.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

5-4.5.4.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to 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.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

- 5-4.5.4.2 Primary and Non-Contributory Coverage.** The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. 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.
- 5-4.5.4.3 Severability of Interest.** For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.
- 5-4.6 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.
- 5-4.7 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.
- 5-4.8 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.
- 5-4.9 Excess Insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.
- 5-4.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).**
1. For Contracts with required engineering services (e.g., Design-Build, 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.

5-4.11 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:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
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.

5-4.11.1 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.

5-10.1 General. To the "WHITEBOOK", ADD the following:

7. Contractor to coordinate the work in area of "Sunset Elementary School" with Victor Guzman at 619-428-4476 EX 3065 or Paulo.azevedo@sysdschools.org. The working hours for the streets around school to be out of the drop off/pick up hours, 7:30AM-8:30AM / 2:30PM-3:30PM.
8. Contractor to coordinate the work in area of "Southwestern College", Patricia Bartow at 619-948-5809 or pbartow@swccd.edu.

5-10.2.1 Public Notice by Contractor. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a) Where Work is to be performed at least 5 Working Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b) Within 5 Working Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
 - c) 72 hours in advance of the scheduled resurfacing.

5-13 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Virtual Project Manager shall be used on this Contract.
2. You shall post all communications addressed to the Engineer concerning construction including RFIs, submittals, daily logs including the Weekly Statement of Working Days (WSWD), Storm Water, and transmittals to the Virtual Project Manager (VPM) website established for the Projects. This shall not supersede any Federal requirements.
3. Maintain a list of scheduled activities including planned and actual execution dates for all major construction activities and milestones defined in the approved Schedule.
4. Review and act on all communications addressed to you in the VPM project website.
5. A user's guide to the VPM system is available on the City's website and shall be provided to you at the Pre-construction Meeting. Refer to the VPM training videos and forms at the location below:
<https://www.sandiego.gov/publicworks/edocref>
6. Submit the Sensitive Information Authorization Acknowledgement Form and VPM User Agreement located in the VPM user's guide at the Pre-construction Meeting.

5-15.1 General. To the "WHITEBOOK", item 10, DELETE in its entirety and SUBSTITUTE with the following:

10. If your construction activities have encountered flammable liquids or other hazardous substances, you shall ensure that construction staff have the required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. Construction staff shall include: City Engineers, City Laboratory Technicians, and City staff that perform onsite inspections.
 - a) If your Work encounters flammable liquids or other hazardous substances, you shall be responsible for scheduling training for all

construction staff to attend and for submitting verification to the Engineer that construction staff have the required HAZWOPER certification prior to continuing that Work in that area. You shall maintain the HAZWOPER certifications annually until the construction activities triggering the requirement is complete, as approved by the Resident Engineer.

5-15.17 Payment. To the "WHITEBOOK", ADD the following:

5. The payment for Hazardous Waste Operations and Emergency Response (HAZWOPER) certification and training for construction staff shall be included in the allowance Bid item for "Hazardous Waste Operations and Emergency Response (HAZWOPER) Certification".

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1.1 Construction Schedule. To the "WHITEBOOK", item 1, subsection "s", DELETE in its entirety and SUBSTITUTE with the following:

- s) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
 - i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.
 - ii. See also the "Cash Flow Forecast Example" at the location below:

<https://www.sandiego.gov/publicworks/edocref>

6-1.3 Work Outside Normal Working Hours. To the "WHITEBOOK", ADD the following:

4. The work outside normal working hours shall be from 8:30 PM to 3:30 AM and in accordance to Traffic Control Plans 40915-T01-D to 40915-T24-D

6-1.5.2 Excusable Non-Compensable Delays. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

6-1.5.2 Excusable Non-Compensable and Concurrent Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-4.2, "Extensions of Time" for the following circumstances:
 - a) Delays resulting from Force Majeure.
 - b) Delays caused by weather.
 - c) Delays caused by changes to County, State, or Federal law.
2. When a non-excusable delay is concurrent with an Excusable Delay, you shall not be entitled to an extension of Contract Time for the period the non-excusable delay is concurrent with the Excusable Delay.

3. When an Excusable Non-Compensable Delay is concurrent with an Excusable Compensable Delay, you shall be entitled to an extension of Contract Time, but shall not be entitled to compensation for the period the Excusable Non-Compensable Delay is concurrent with the Excusable Compensable Delay.

6-2.1 Moratoriums. To the "WHITEBOOK", ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:
 - a) Pavement moratorium, Averil Rd South of Sunset Ln from 5/19/2017 to 5/19/2022 (inclusive). Any construction work, including cut and plug needs to be out of the moratorium area. Contractor shall coordinate with RE for the location of cut and plug.
 - b) Pavement moratorium, Intersection of Smythe Ave and Sunset Ln from 8/31/2017 to 8/31/2020 (inclusive).
 - c) Pavement moratorium, Intersection of Dairy Mart Rd and W San Ysidro Blvd from 9/6/2017 to 9/6/2020 (inclusive).
 - d) Annual Holiday Construction Moratorium, near Intersection of Dairy Mart Rd and W San Ysidro Blvd from Thanksgiving Day to New Year's Day (Inclusive).

6-4.2 Extensions of Time. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
 - a) If you believe this event requires a Change Order, you shall submit a written Change Order request with a report to the City that explains the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.
3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.5, "Excusable Delays" unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project's critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence and that all project float has been used.

4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within **30 Calendar Days** after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.
 - a) Your protest will be considered a claim for time extension and shall be subject to 2-10.1, "Claims".

6-4.4 Written Notice and Report. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance with 6-4.2, "Extensions of Time", will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.

ADD:

6-6.1.1 Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **Sewer and AC Water Group 1032**, Project No. WBS nos. **B-17104 & B-17105**, 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.

6-6.2.2 Paleontological Monitoring Program. To the "WHITEBOOK", ADD the following:

3. You shall retain a qualified paleontologist for this Contract. You shall coordinate your activities and Schedule with the activities and schedules of the paleontologist monitor. Notify the Engineer before noon of the Working Day before monitoring is required. See 3-5, "INSPECTION" for details.

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1 General. To the "WHITEBOOK" ADD the following:

3. The payment for all work associated to replacing the Storm Drain grate shall be included in the bid item for **"ADA Compliant Storm Drain Grate Replacement"**.
4. The payment for all work associated to the installation of protection posts shall be included in the bid item for **"Protection Post"**. The protection post for Fire Hydrants shall be in accordance with SDW-104 and WM-04 and Protection posts for curb ramps shall be in accordance with WM-04.
5. The payment for all work associated to removal and installation of Pedestrian Push Button shall be included in the Bid Item for **"Pedestrian Push Button"**.

7-3.2 Partial and Final Payment. To the "GREENBOOK", paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. Documentation for an escrow payment shall have an escrow agreement signed by you, the City, and the escrow agent. From each progress payment, no less than 5% will be deducted and deposited by the City into the escrow account. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the designated representative of the City shall sign the request for the release of Escrow funds.

7-3.4.1 Payment. To the "WHITEBOOK", ADD the following:

4. The cost for mobilization excludes the costs for all mobilization and demobilization Work associated with each paving phase. The costs for all mobilization and demobilization Work associated with each paving phase shall be paid in accordance with 306-1.2.1, "Payment".

7-3.5.1 General. To the "WHITEBOOK", ADD the following:

2. Unit Bid prices for "Potholing Existing Utilities Not Shown on Plans (Depth up to 7 feet)" shall not be subject to adjustment regardless of quantity used or if none is used.

7-3.9 Field Orders. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. If the cumulative total of Field Order items of Work does not exceed the "Field Orders" Bid Item, the City shall pay those Field Orders as shown below:

TABLE 7-3.9

FIELD ORDER LIMITS

Contract Price	Maximum Field Order Work Amount
Less than \$100,001	\$2,500
\$100,001 to \$1,000,000	\$5,000
\$1,000,001 to \$5,000,000	\$10,000
\$5,000,001 to \$15,000,000	\$20,000
\$15,000,001 to \$30,000,000	\$40,000
Greater than \$30,000,000	\$50,000

2. Field Order items of Work for contracts greater than \$15,000,000 will require additional approvals from the City prior to its approval by the Resident Engineer.

3. The City will issue a Field Order only after the City's acceptance of the cost of the field order amount.
4. Field Orders shall not be used to add scope or to include extensions of time related to changes in work.
5. If in the event there is a change related to the critical path on the project which necessitates an extension of time and the change amount is within the Field Order limits shown on Table 7-3.9, then a Field Order can be issued to compensate you for the approved costs. Any extensions of time associated with the change shall be included in a subsequent Change Order and no additional compensation shall be granted as part of the change order for the extension of time.
6. The unused portions of Field Orders Bid item shall revert to the City upon Acceptance.

7-3.11 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 203 – BITUMINOUS MATERIALS

203-6.3.1 General. To the "WHITEBOOK", ADD the following:

3. Asphalt concrete for Job Mix Formula (JMF) and Mix Designs shall be Type III and shall not exceed 15% RAP.

SECTION 209 – PRESSURE PIPE

209-1.1.1 General. To the "WHITEBOOK", ADD the following:

2. PVC products, specifically type C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.
3. Refer to AWWA C900-16 for all references to AWWA C905.

SECTION 300 – EARTHWORK

300-2 UNCLASSIFIED EXCAVATION

300-2.1 General. To the GREENBOOK, ADD the following:

Unclassified excavation shall consist of all excavation necessary to remove existing material that is unsuitable to be used as a base or sub base material, as directed by Engineer. Unclassified excavation shall be replaced with Class II Aggregate Base material and prepared and compacted in accordance with the Contract Documents before placing new asphalt concrete or forming and pouring of concrete at that location.

300-2.9 Payment. To the GREENBOOK, ADD the following:

Payment for “**Class II Aggregate Base**” shall be paid in accordance with 302-1.12, Measurement and Payment”. Payment for “**Class II Aggregate Base**” shall also include payment for unclassified excavation which includes excavating, loading, disposing of material, stockpiling, and hauling to its final location.

SECTION 301 – SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

301-1.6 Preparatory Repair Work. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Prior to the placement of any asphalt concrete or application of slurry, you shall complete all necessary preparation and repair Work and shall obtain approval by the Resident Engineer.

ADD the following:

13. Asphalt concrete shall be Type III and shall not exceed 15% RAP in accordance with 203-6.3.1, “General”.

301-1.6 Preparatory Repair Work. To the “WHITEBOOK”, Add the following:

13. Approximate location of most areas of damaged asphalt requiring Asphalt Pavement Repair are shown on plans as Mill & Pave or Base Repair (DO). Any additional areas will be defined by the RE during construction. Mill & paves shall have a minimum depth of 2”, and Base Repair, shall have a minimum depth of 10”.
14. The minimum repair area shall be 4 feet by 4 feet regardless of mark out.

301-1.7 Payment. To the WHITEBOOK, ADD the following:

7. The payment for Base Rrepair shall be paid at the contract Unit Price for “**Asphalt Pavement Repair**” and “**Class II Base**”, per 301-2.4 “Measurement and Payment”, for each ton placed and includes milling, grinding, saw cutting, hauling and disposal of existing pavement, tree trimming, tack coating, compaction, and all other necessary work related to asphalt pavement installation. No additional payment shall be made for milling, grinding, or saw cutting concrete, pavement fabric, rubberized material, steel reinforcement, or any other material.

301-2.4 Measurement and Payment. To the GREENBOOK, ADD the following:

Payment for Class II Base material shall include the excavation, hauling and disposal, preparatory works, root pruning, and compaction. No additional payment shall be made for hauling and disposal of concrete, pavement fabric, rubberized material, steel reinforcement, or any other material that may be encountered.

SECTION 302 – ROADWAY SURFACING

302-4.5 Scheduling, Public Convenience and Traffic Control. To the “GREENBOOK”, paragraphs (1) and (2), DELETE in their entirety and SUBSTITUTE with the following:

1. In addition to the requirements of Part 6, you shall comply with the following:
 - a) At least 5 Working Days prior to commencing the Work, you shall submit your proposed Schedule to the Engineer for approval.
 - b) Based upon the approved schedule, you shall notify residents and businesses of the Work and post temporary “No Parking” signs 72 hours in advance.
 - c) Requests for changes in the approved Schedule shall be submitted to the Engineer for approval at least 3 Working Days before the street is scheduled to be sealed.

302-4.12.2 Application. To the “WHITEBOOK”, item 1, ADD the following:

- c) RPMS shall only be placed when ambient temperature is 50° F or higher.

302-5.9 Application. To the “GREENBOOK”, ADD the following:

The payment for “**Road Lump**” shall include the payment for removal and installation of humps and lumps. This shall also include the removal of pavement transitions, disposal, and all other necessary work. The payment for the replacement of hump markers will be included in the separate Bid item for “**Removal and Replacement of Existing Paint Striping**” as in accordance with 314-4.3.7.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

ADD:

306-1.1 High-line Phasing.

1. Build the Project in accordance with the water high-lining phasing shown on the Plans and in phases as follows:
 - a) Phase I: San Ysidro Blvd, East of Sunset Ln and Sunset Ln
 - b) Phase II: Sunset Ln, West of Averil Rd to Alverson Rd
 - c) Phase III: Sunset Ln, Alverson Rd to East of Smythe Av
 - d) Phase IV: San Ysidro Blvd, Sunset Ln to West of Averil Rd
 - e) Phase V: San Ysidro Blvd, West of Averil Rd to Alverson Rd
 - f) Phase VI: San Ysidro Blvd, Alverson Rd to Smythe Av
 - g) Phase VII: Smythe Ave, Suset Ln to San Ysidro Blvd and San Ysidro Blvd, Smythe Av to Cottonwood Rd
 - h) Phase VIII: Cottonwood Rd, San Ysidro Blvd to Sellsway St and Sellsway St

- i) Phase IX: W Hall Av, Cottonwood Rd to E Park Av and Cypress Dr, W hall Av to MTS limit
 - j) Phase X: Cypress Dr, San Ysidro Blvd to W Hall Av
 - k) Phase XI: E Park Av, San Ysidro Blvd to W Hall Av, W Hall Av, E Park Av to Pepper Dr and Pepper Dr, North of W Hall Av
 - l) Phase XII: W Hall Av, East of Pepper Dr and E Olive Dr, San Ysidro Blvd to W Hall Av
2. When installing pipelines within the City's streets, the total time allowed for the completion of Work shall not exceed **10 Working Days** per 500 feet of pipeline installation:

ADD:

306-1.2 Phased Paving.

- 1. You shall implement phased paving, when directed and approved by the Engineer.
- 2. The Engineer will notify you when you can proceed with phased paving Work. Each phase shall be completed within **90 Calendar Days** after the Engineer's notification. Plan and schedule your Work accordingly to ensure each phase is complete.
- 3. When Phased Paving is initiated, the following Work shall be completed within the determined areas:
 - a) Installation of mains and appurtenances.
 - b) Operational checks and testing.
 - c) Mains are in service.
 - d) Trench restoration.
 - e) Road surface preparatory Work.
 - f) Installation of concrete sidewalks and curb ramps.
 - g) Adjustments of gate valves and manholes, survey monuments and utility boxes.
- 4. You may propose to change the limits of the determined phasing, in writing, for the Engineer's review and approval. If approved, there shall be no additional costs to the City. No additional Working Days will be granted for delays due to the City's review and approval of your proposed change and due to the implementation of that proposed change.
- 5. You may use multiple crews to complete each phase of paving.

ADD:

306-1.2.1 Payment.

- 1. The payment for all Work associated with Phased Paving shall be included in the Bid item for each "Phased Paving" area. This payment shall include the

costs for all mobilization and demobilization for resurfacing and striping associated with each paving phase regardless of the paving operation. No additional payment shall be made regardless of the number of mobilizations and demobilizations required to complete that phase.

306-7.8.2.1 General. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. Pressure testing of pipe and fittings at the lowest elevation shall be performed at 150% of the specified test pressure and no less than 100% of the specified test pressure at the highest elevation.
 - a) Specified test pressure for Class 235 pipe shall be 150 psi and is tested at 225 psi.
 - b) Specified test pressure for Class 305 pipe shall be 200 psi and is tested at 300 psi.

ADD:

306-8.5.4 High Deflection Coupling.

1. High deflection couplings shall be constructed in accordance with the Plans and Reference Specifications. Working Drawings prepared by a Civil or Structural Engineer registered in the State of California shall be submitted in accordance with 3-8.2, "Working Drawings" for any proposed additional high deflection couplings not indicated on the Plans and Reference Specifications.

306-15.6 Payment. To the "WHITEBOOK", ADD the following :

5. The payment for Bid Item "Fire Service Connection and Assembly", shall also include all the cost associated with valves and Tees.

306-15.8 Payment. To the "WHITEBOOK", ADD the following :

9. The payment for Bid Item "Water Service", for all the water services larger than 3 inches in diameter, shall also include all the cost associated with valves and Tees.

306-18.7 Payment . To the "WHITEBOOK", ADD the following :

5. Payment for "**Condition Assessment of the Storm Drain Culverts**" on sheet 40915-05-D, station 1+00.00 to 1+86.55 and 40915-21-D, station 1+70.00 to 2+45.00 shall include condition assessment report to the City for review and shall be performed prior to starting construction and after. The condition assessment report shall consist of a detailed video of the existing storm drain culverts, record and photograph all visible signs of cracking using a scale or markings and shall be included in the bid item "**Condition Assessment of the Storm Drain Culverts**".

SECTION 314 – TRAFFIC STRIPING AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS

314-4.3.7 Payment . To the “WHITEBOOK” , item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for the removal and replacement of all existing thermoplastic and painted traffic stripping, pavement markings, and pavement markers shall be in accordance with the GREENBOOK section 314-4.4 and 314-4.3 and shall all be included in the lump sum bid item for **“Removal and Replacement of Existing Paint Striping”**.

SECTION 402 – UTILITIES

402-2 PROTECTION. To the “WHITEBOOK”, item 2, ADD the following:

- g) Refer to **Appendix K - Advanced Metering Infrastructure (AMI) Device Protection** for more information on the protection of AMI devices.

402-6 COOPERATION. To the “GREENBOOK”, ADD the following:

1. Notify SDG&E at least 10 Working Days prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).
2. Any work requiring SDG&E relocation, shall be coordinated early in construction and the schedule for the construction in these areas to be delayed to after SDG&E relocation.

402-8 PAYMENT. To the “WHITEBOOK”, item 3, DELETE in its entirety and SUBSTITUTE with the following:

- a) With the Resident Engineer’s approval, compensation for each existing utility pothole that is not shown on the Plans but marked out by USA shall be included in the Bid item for “Potholing Existing Utilities Not Shown on Plans (Depth up to 7 feet)”. Potholing for existing utilities that have been shown on the Plans shall be included in the Contract Price.

SECTION 502 – MANHOLE AND STRUCTURE REHABILITATION

502-5.6.1 PAYMENT. To the “WHITEBOOK”, add the following:

2. The payment for **“Rehabilitate Existing Manhole With Cured- In-Place Manhole Liner”** shall also include the removal of the ladder rungs in the manhole and all other associated work.

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-2.1.4 Traffic Control for Resurfacing and Slurry Sealing. To the “WHITEBOOK”, item 3, subsection “d”, DELETE in its entirety and SUBSTITUTE with the following:

- d) Place “NO PARKING - TOW-AWAY ZONE” signs 72 hours in advance of the scheduled slurry sealing. Reschedule street block segments which are not

completed by the last posted Working Day. If a Work delay of 48 hours or more occurs from the originally scheduled Work date, remove the "NO PARKING - TOW-AWAY ZONE" signs for a minimum of 24 hours, then reset and re-post for the appropriate Work date.

601-3.5.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. Temporary "No Parking" and "No Stopping" signs shall be installed 72 hours before enforcement. Temporary "No Parking" and "No Stopping" signs shall be installed and removed as specified in the Special Provisions. Signs shall indicate specific days, dates, and times of restrictions. If violations occur, call Police Dispatch 619-531-2000 to enforce the Tow-Away notice.

601-3.6 Channelizing Devices. To the "WHITEBOOK", item 4, Barricades, ADD the following:

- h) You shall place "OPEN TRENCH" signs (C27(CA)) on Type 3 Barricade within the construction Work zone, ahead of any Work areas with open trenches that are greater than 3 inches in depth, in accordance with California MUTCD SECTION 6F.103 (CA). The barricades shall be placed in a continuous manner and shall prevent pedestrian, vehicular, and biker access to the open trench area.

601-7 Payment. To the "WHITEBOOK", item 1, ADD the following:

The Bid Item "**Traffic Control and Working Drawings**" shall also include payment for all the devices and the Work for the implementation of the Engineered Traffic Control Plans included in the Contract in addition to the payment for all the devices and Work for the creation and implementation of the Working Drawings.

SECTION 700 - MATERIALS

700-5.1 Vehicle Detectors. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Loop wire shall be Type 2. Loop detector lead-in cable shall be Type "B". Slots shall be filled with elastomeric sealant, epoxy sealant, or hot-melt rubberized asphalt sealant, except asphaltic emulsion loop sealant and cold tar loop sealant are acceptable if the pavement surface will receive an asphaltic concrete overlay.

SECTION 900 - MATERIALS

900-2.3 Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The payment for furnishing materials for your connection, cut and plug, and cut-in Work shall cover all necessary materials (fittings and hardware, excluding valves and pipes), delivery, and unloading. The payment shall be included within the Bid item of the Work involved and no separate payment for furnishing those materials shall be made. The payment for furnishing valve

and pipe materials for your connection, cut and plug, and cut-in Work shall be included in the separate Bid items for each valve and pipe.

SECTION 901 – INSTALLATION AND CONNECTION

901-1.1 **General.** To the “WHITEBOOK”, item 2, DELETE in its entirety and SUBSTITUTE with the following:

1. The Engineer will coordinate all interactions between you and the City Water Operations Division, the City Water Quality Laboratory, and other City organizations. Upon your request, the Engineer shall notify the City's Public Utilities Department's staff as noted below which shall be required at least 20 Working Days prior to the beginning of Work that involves shutting down pipelines, high-lining, cutting and plugging of, or making connection to the existing water mains.
 - a) Transmission Mains (16 inches and larger) – PM Jesus Ramos phone: (619-527-7438)
 - b) Distribution Mains (less than 16 inches) – PM Freddy Porter phone: (619-527-7539)
 - c) Water Facilities – PM Tatyana Fikhman phone: (619-527-7465) and PM Jesus Ramos phone: (619-527-7438)

901-2.2.1 **General.** To the “WHITEBOOK”, item 5, DELETE in its entirety and SUBSTITUTE with the following:

5. The Engineer will coordinate all interactions between you and the City Water Operations Division, the City Water Quality Laboratory, and other City organizations. Upon your request, the Engineer shall notify the City's Public Utilities Department as noted below which shall be required at least 20 Working Days prior to the beginning of Work that involves shutting down pipelines, high-lining, cutting and plugging of, or making connection to the existing water mains.
 - a) Transmission Mains (16 inches and larger) – Jesus Ramos (619-527-7438)
 - b) Distribution Mains (less than 16 inches) – Freddy Porter (619-527-7539)
 - c) Water Facilities – Tatyana Fikhman (619-527-7465) and Jesus Ramos (619-527-7438)

901-2.5 **Payment.** To the “WHITEBOOK”, ADD the following:

4. The Bid Item for “**Connections to The Existing System by Contractor (16 Inch)**” shall be measured for each connection for associated 16 Inch pipe regardless of the size of pipe (the existing system) it is connecting to.

SECTION 1001 – CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)

1001-1 GENERAL. To the “WHITEBOOK”, ADD the following:

7. Based on a preliminary assessment by the City, this Contract is subject to **WPCP**.

SECTION 1002 – PERMANENT BEST MANAGEMENT PRACTICES (BMPs)

1002-1.6 Measurement and Payment. To the “WHITEBOOK”, ADD the following:

3. The payment for the construction and installation of stormwater Filterra Unit or Equal, includes furnishing of all labor, equipment, work including but not limited to excavation and disposal, materials, and all appurtenances associated with the unit as shown on the Contract Drawings and shall be included in the Bid Item for “**StormWater BMP Filterra Unit**”. The installation Work shall be performed as specified in the construction drawings and shall also be included in this Bid item. Prior to ordering the materials, the Engineer shall review and approve those materials.
-

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: Recorder/County Clerk
P.O. Box 1750, MS A-33
1600 Pacific Hwy, Room 260
San Diego, CA 92101-2400

FROM: City of San Diego
Public Works Department
525 B Street, Suite 750, MS 908A
San Diego, CA 92101

Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

Project Name: Sewer and AC Water Group 1032 **Project No. / WBS No.:** B-17104.02.06 (S) & B-17105.02.06 (W)

Project Location-Specific: Sewer and AC Water Group 1032 (Project) is bound by Beyer Boulevard to the north, I-805 to the east, I-5 to the south, and Dairy Mart Road to the West within the San Ysidro Community Planning Area (Council District 8). The Project is located entirely within the right-of-way (road).

Project Location-City/County: San Diego/San Diego

Description of nature and purpose of the Project: The Project proposes to replace approximately 24,560 linear feet (LF) (4.7 miles) of existing 4-, 6-, 8-, 10-, 12-, 16-, and 20-inch diameter asbestos cement (AC) water mains with 8-, 12-, and 16-inch diameter polyvinyl chloride (PVC) water mains via open trench construction. Approximately 150 LF of new 8- and 12-inch diameter PVC water main will be installed. A total of 2,640 LF of existing 12- and 20- inch diameter AC water main will be abandoned via slurry fill. Associated water services such as fire hydrants, valves, water meter, and other appurtenance will be installed. The Project will also replace approximately 18,660 LF (3.6 miles) of existing 6-, 8-, 10-, and 12-inch diameter vitrified clay (VC) sewer mains with 8-, 10-, 12-, and 15-inch diameter PVC sewer mains. Associated laterals, manholes, cleanouts, and other appurtenances will be installed. Approximately 220 LF of water main and 320 LF of sewer main will be installed via trenchless construction methods at five (5) locations crossing the MTS Trolley Tracks that run parallel to Beyer Boulevard. Trenchless construction methods will also be utilized for two locations within San Ysidro Boulevard. The Project also includes standards improvements such as curb ramps and street resurfacing.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: City of San Diego Public Works Department,
Contact: Jerry Jakubauskas; Phone: (619) 533-3755
525 B Street, Suite 750 (MS 908A), San Diego, CA

Exempt Status:

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: 15301 [Existing Facilities] and 15302 [Replacement or Reconstruction]

Reasons why project is exempt: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Sections 15301 [Existing Facilities] which allows for the maintenance and minor alteration of existing public facilities including publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services involving negligible or no expansion of existing or former use and 15302 [Replacement or Reconstruction] which allows for the replacement or reconstruction of existing utility systems involving negligible or no expansion of capacity; and where the exceptions listed in Section 15300.2 would not apply. The project will implement paleontological resources monitoring for grading activities in accordance with San Diego Municipal Code Section 142.0151.

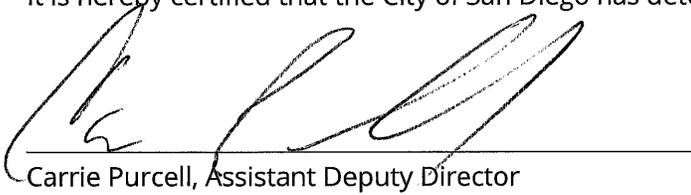
Lead Agency Contact Person: Jerry Jakubauskas

Telephone: (619) 533-3755

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



Carrie Purcell, Assistant Deputy Director

October 24, 2019
Date

Check One:

- Signed By Lead Agency
 Signed by Applicant

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED 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. **AUTHORITY**

- 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 FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED 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 ½" 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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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED 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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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
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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 re-installation.
 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 ½ “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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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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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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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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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. These 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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- 8.5 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



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:		Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

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

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

APPENDIX D

SAMPLE CITY INVOICE WITH CASH FLOW FORECAST

WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

Construction Cash Flow Forecast

"Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

APPENDIX E
LOCATION MAP

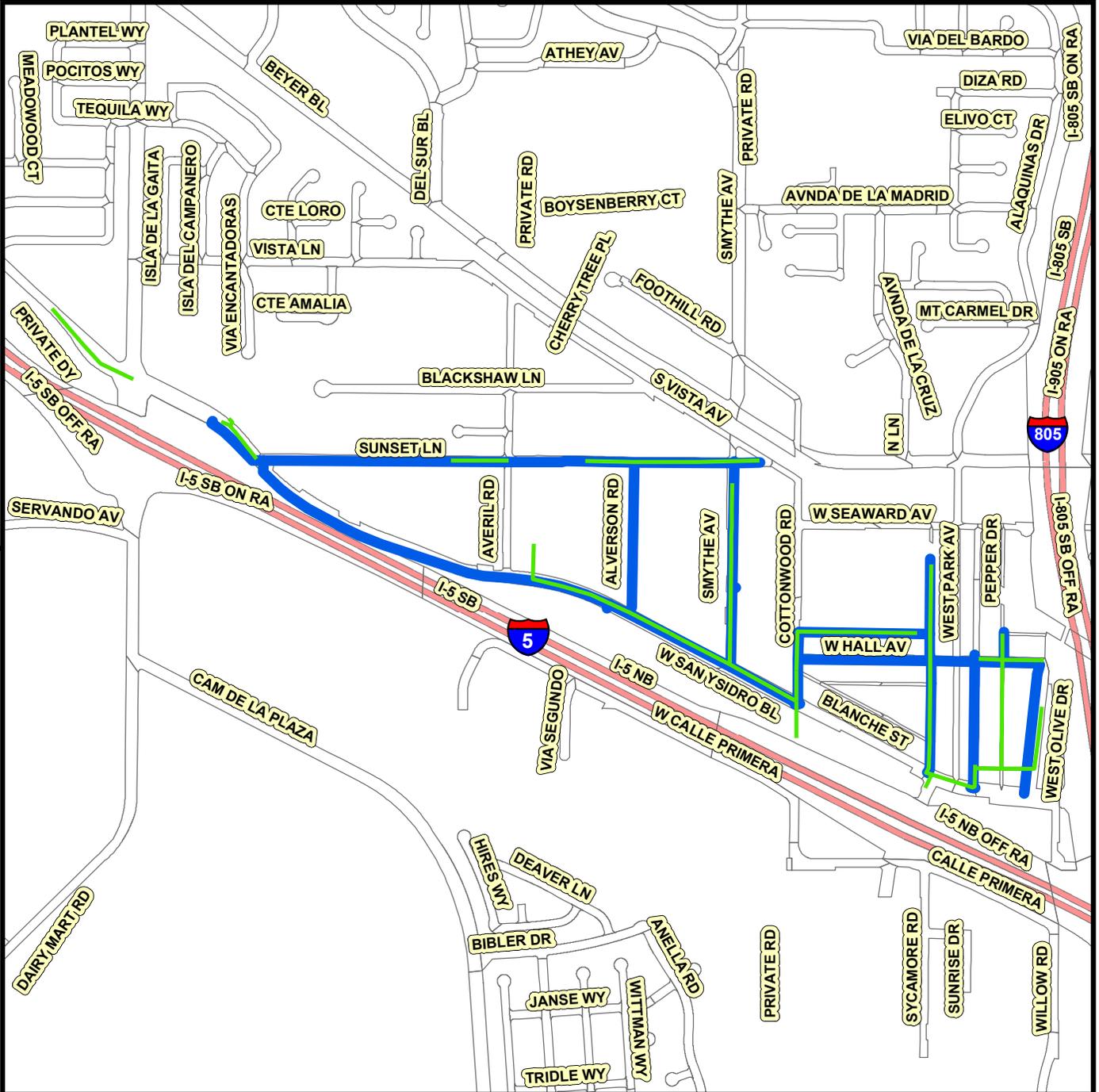
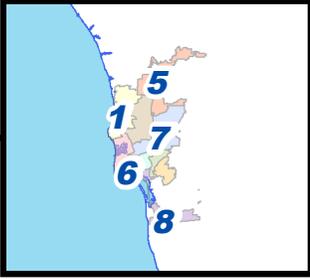
SEWER AND AC WATER GROUP 1032

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
AZIN NOUR
619-533-5227

PROJECT ENGINEER
CELINA VEGA
619-533-4196

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@saniego.gov



Legend

- PROPOSED SEWER
- PROPOSED WATER



COMMUNITY NAME: SAN YSIDRO

COUNCIL DISTRICT: 8

SAP ID: B17104 (S) \ B17105 (W)

Date: October 15, 2019



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APPENDIX F
ADJACENT PROJECT MAP

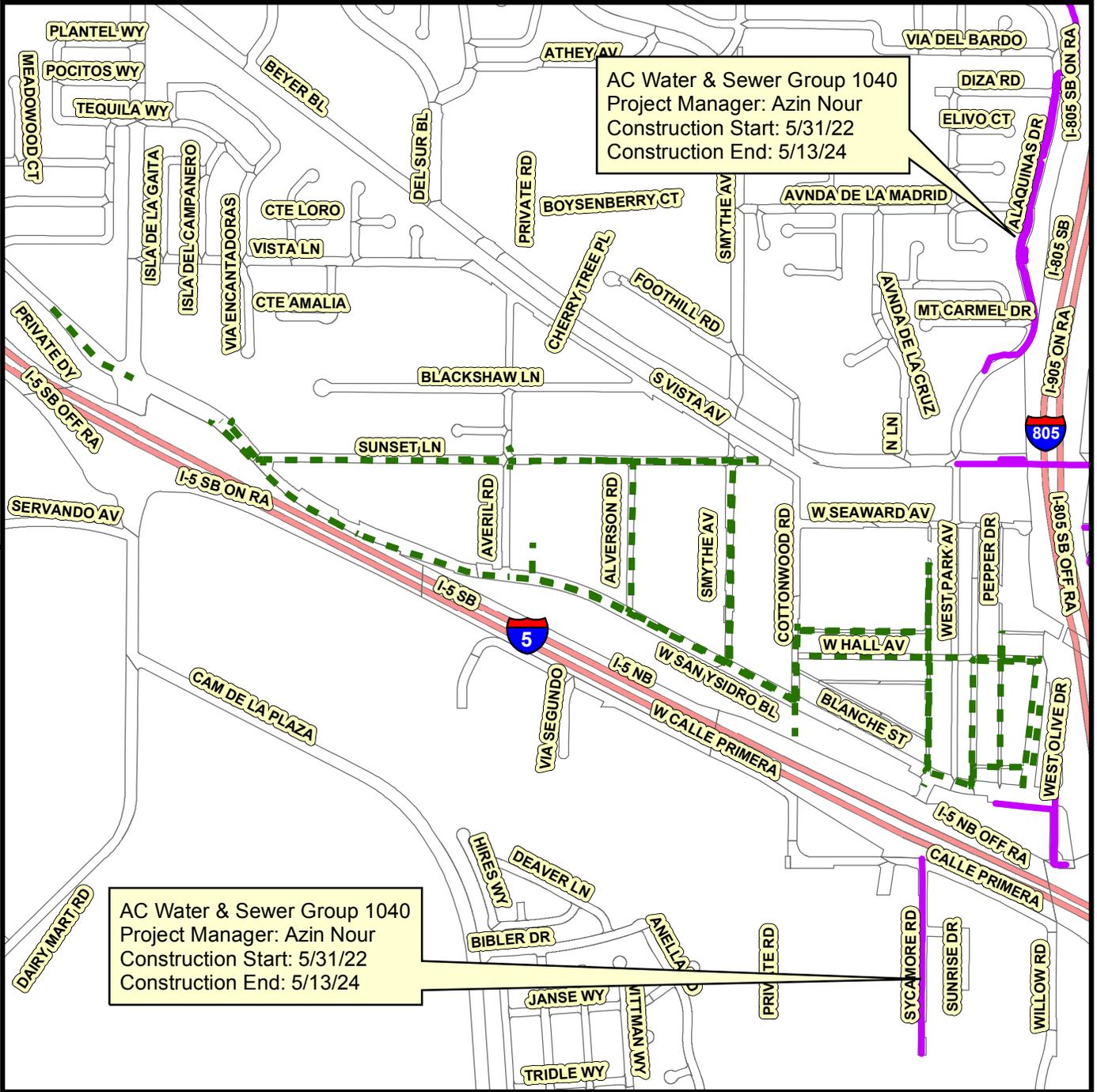
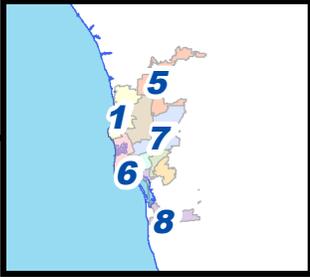
SEWER AND AC WATER GROUP 1032

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
AZIN NOUR
619-533-5227

PROJECT ENGINEER
CELINA VEGA
619-533-4196

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



ADJACENT PROJECTS LOCATION MAP

Legend

■ ■ ■ SEWER AC WATER GROUP 1032



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APPENDIX G

CONTRACTOR'S DAILY QUALITY CONTROL INSPECTION REPORT

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Ambient Temperature (Start of Work): _____ Time: _____

Environmental Considerations: _____

Locations (Address Range/Cross Streets):

1. _____
2. _____
3. _____

Approved Mix Design: _____

Material Suppliers: _____

RPMS Type(s): _____

Slurry Machine #'s: _____

Estimated Cure Time (Break) of Slurry: _____

Pre-Mix (Per 100 Counts)

Gate Setting/Emulsion %: _____

Aggregate Weight: _____

Cement % (by weight of aggregate): _____

Crumb Rubber % (by volume of cement): _____

Machine Inspection

Leaks: _____

Sprayers: _____

Emulsion Filter: _____

Carbon Black: _____

Spreader Box Inspection

Cleanliness: _____

Augers: _____

Rubbers: _____

Fabric: _____

Runners: _____

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Conditions

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Communication to Client/ Resident Engineer

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Test Lab

Tech: _____ Time on Site: _____

Notes

QCP Administrator Signature:

Date Signed:

Appendix J

City of San Diego
Asphalt Concrete Overlay
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Locations: 1. _____
2. _____
3. _____

Asphalt Mix Specification: Attached Supplier: _____

Dig out Locations: 1. _____
2. _____
3. _____

Tack Coat Application Rate @ Locations:
1. _____
2. _____
3. _____

Asphalt Temperature at Placement @ Locations:
1. _____
2. _____
3. _____

Asphalt Depth @Locations:
1. _____
2. _____
3. _____

Compaction Test Result @Locations:
1. _____
2. _____
3. _____

Location and nature of defects:

1. _____
2. _____
3. _____

Remedial and Corrective Actions taken or proposed for Engineer's approval:

1. _____
2. _____
3. _____

Date's City Laboratory representative was present:

1. _____
2. _____
3. _____

Verified the following:

1. Proper Storage of Materials & Equipment
2. Proper Operation of Equipment
3. Adherence to Plans and Specs
4. Review of QC Tests
5. Safety Inspection

Initials:

- _____
- _____
- _____
- _____
- _____

Deviations from QCP _____ (see attached)

Quality Control Plan Administrator's Signature:

Date Signed:

APPENDIX H
MONTHLY DRINKING WATER DISCHARGE MONITORING FORM

DRINKING WATER DISCHARGE MONITORING FORM

(Use for All Discharges to the Storm Drain)

All discharge activities related to this project comply with the State Water Resources Control Board ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES as referenced by (http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf), and as follows:

Project Name:		WBS No.:		Watershed No.	
Qualified Person Conducting Tests:		signature			

BMPs MUST BE IN PLACE PRIOR TO ANY SCHEDULED DISCHARGE

By signing, I certify that all of the statements and conditions for drinking water discharge events are correct.

Event #1												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Start Date: Time: End Date: Time:	Superchlorinated <small>(Chlorine added for disinfection)</small>	TSW <small>(All Categories)</small>	Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	Large Volume <small>(≥ 325,850 gal)</small>	PUD <small>(All Categories)</small>	Dechlorination <small>(diffusers, chemicals, etc.)</small>							Reused <small>(if any)</small>	Turbidity	NTU
	Well Dev/Rehab <small>(Not Typical)</small>	Water Board <small>(Large Volume Only)</small>	Inlet Protection	Erosion Controls	pH	Unit			Range 6.5 to 8.5			
	Small Volume/Other <small>(No Sampling Required)</small>	County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	Sediment Controls									

Event #2												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Start Date: Time: End Date: Time:	Superchlorinated <small>(Chlorine added for disinfection)</small>	TSW <small>(All Categories)</small>	Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	Large Volume <small>(≥ 325,850 gal)</small>	PUD <small>(All Categories)</small>	Dechlorination <small>(diffusers, chemicals, etc.)</small>							Reused <small>(if any)</small>	Turbidity	NTU
	Well Dev/Rehab <small>(Not Typical)</small>	Water Board <small>(Large Volume Only)</small>	Inlet Protection	Erosion Controls	pH	Unit			Range 6.5 to 8.5			
	Small Volume/Other <small>(No Sampling Required)</small>	County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	Sediment Controls									

Instructional Notes found on the Page 2 of 2

Submit completed Form to RE

Receiving Water Monitoring

(Complete only if limits exceed on Page 1 of 2)

Event #1	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Event #2	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Instructional Notes

- 1) Log the location of the inlet or discharge point. For example: Albatross St & 5th Av. Log the start date and time and the end date and time of the discharge.
- 2) Log the discharge category. "Superchlorinated" are discharges where additional chlorine is added in order to adequately disinfect and sanitize drinking water system facilities. This does NOT include potable water containing residual chlorine from the water treatment process. "Large Volume" discharges are greater than 325,850 gallons of total volume for one event. "Well Dev/Rehab" are discharges of potable ground water from a well. This is not typical. If none of these categories apply, then select "Small Volume/Other."
- 3) Notifications of the location, date, time, category, and estimated volume of discharge must be made to the contacts and per the requirements below:

Contact	When to Notify	Email
TSW	3 days prior to all discharges	SWPPP@SanDiego.gov
PUD	3 days prior to all discharges	CompReports@SanDiego.gov Rdavenport@SanDiego.gov
San Diego Water Board	3 days prior to Large Volume discharges	SanDiego@WaterBoards.ca.gov Ben.Neill@WaterBoards.ca.gov
County of San Diego	3 days prior if 100,000 gal and within 1/4 mile of ocean/bay	DEH: Joseph.Palmer@SDCounty.ca.gov Dominique.Edwards@SDCounty.ca.gov
	3 days prior if enter county MS4 or unincorporated County	WPP: Nicholas.DeValle@SDCounty.ca.gov LUEG.Watersheds@sdcounty.ca.gov

- 4) At a minimum, sweep gutters prior to starting discharge and use dechlorination BMPs. The contractor and RE must monitor and determine if BMPs need to be removed or modified. For example if inlet protection is causing flooding at a storm drain inlet, contractor may elect to remove BMPs. Document any modification to BMPs in the notes
- 5) Total volume must be logged for all discharges. If discharge water is reused for other purposes such as watering a golf course, log that volume under "Reused"
- 6) Sampling is required for categories per the following table:

Category	Measure	Sample Frequency
Superchlorinated	Chlorine, Turbidity, pH	first 10 min, 50-60 min, last 10 min
Large Volume	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min
Well Dev/Rehab	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min
Small Volume/Other	None required	N/A

- 7) Effluent limitations must be monitored not to exceed per the following table:

Measure	Method	Limit
Chlorine	Field Measure	0.10 mg/L-Cl
Turbidity	Visual Estimate	20 NTU for inland waters
		225 NTU for ocean 100 NTU for wells
pH	Field Measure	6.5 - 8.5

APPENDIX I
HAZARDOUS WASTE LABEL/FORMS

HAZARDOUS WASTE

STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES

GENERATOR NAME _____
ADDRESS _____ 24 HR. PHONE () _____
CITY _____ STATE _____ ZIP _____
EPA ID NO. _____ MANIFEST DOCUMENT NO. _____
EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / /

CONTENTS, COMPOSITION _____
PROPER DOT SHIPPING NAME _____
TECHNICAL NAME (S) _____
UN/NA NO. WITH PREFIX _____

PHYSICAL STATE | HAZARDOUS PROPERTIES FLAMMABLE TOXIC
 SOLID LIQUID CORROSIVE REACTIVE OTHER _____

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

Questions for Incident Assessment:

	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -	
B	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number
E	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>	CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
F	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED
G	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES
H	ACTIONS TAKEN		
I	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information) <input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____ <input type="checkbox"/> CHRONIC OR DELAYED (explain) _____ <input type="checkbox"/> NOTKNOWN (explain) _____		
J	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
K	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
L	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete. REPORTING FACILITY REPRESENTATIVE (print or type) _____ SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____		

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

APPENDIX J
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

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



CONSTRUCTION NOTICE

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.
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• 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

APPENDIX K

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. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

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



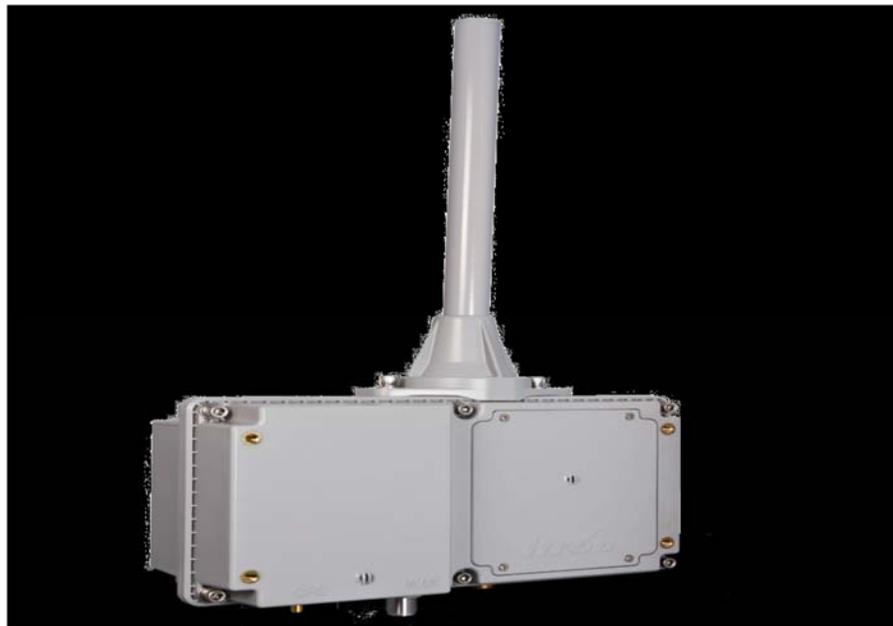
- B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



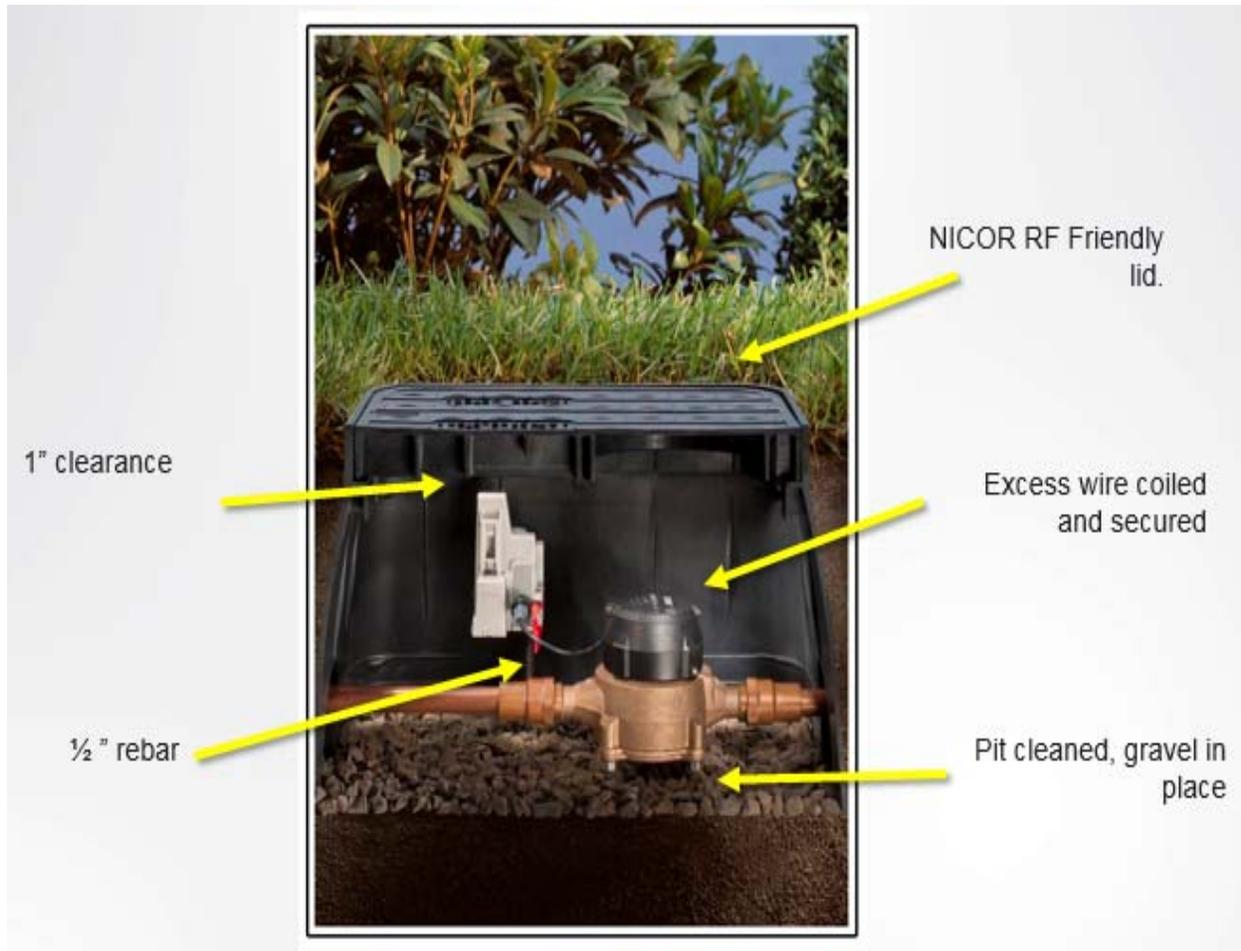
- Network Devices, see Photo 3:

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

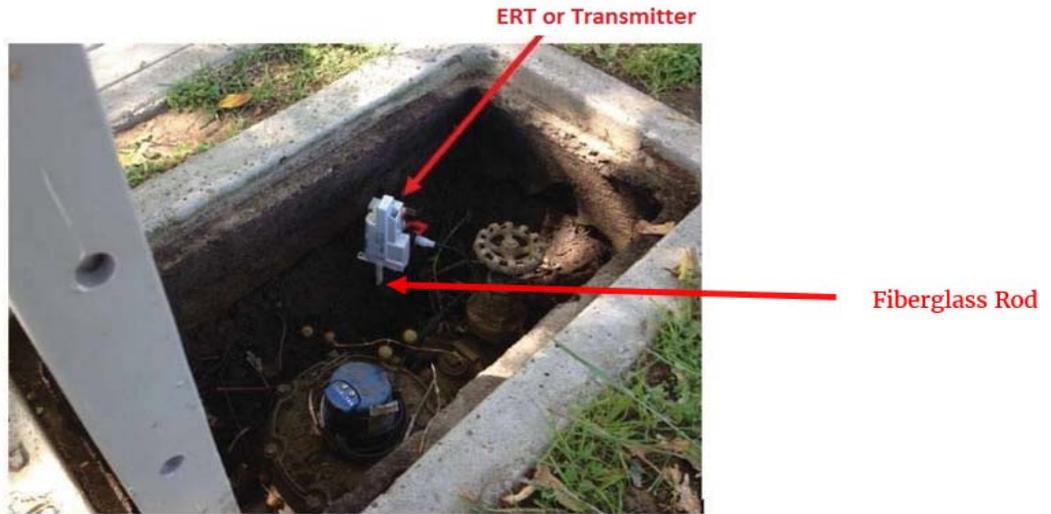


Photo 6 below is an example of disturbance that shall be avoided:

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 8



Network Device

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.

APPENDIX L
REHABILITATION DATA COLLECTION FOR MANHOLES

ATTACHMENT F

RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This Phase-Funded contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and KTA Construction, Inc., herein called "Contractor" for construction of **Sewer and AC Water Group 1032**; Bid No. **K-20-1933-DBB-3**; in the amount of Thirteen Million Three Hundred Fifty Three Thousand Nine Hundred Forty Eight Dollars and Thirty Six Cents (\$13,353,948.36), which is comprised of the Base Bid plus Additive Alternates A, B, C, and F, consisting of an amount not to exceed \$4,963,555.00 for Phase I and \$8,390,393.36 for Phase II.

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) Phased Funding Schedule Agreement .
 - (e) That certain documents entitled **Sewer and AC Water Group 1032**, on file in the office of the City Clerk as Document No. **B-17104**, **B-17105**, 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 **Sewer and AC Water Group 1032**, Bid Number **K-20-1933-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 (See WHITEBOOK, Section 7-3.10, Phased Funding Compensation).
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 and is approved by the City Attorney in accordance with San Diego Charter Section 40.

CONTRACT AGREEMENT (continued)

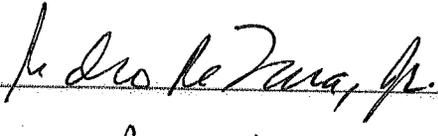
IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code §22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By 

By 

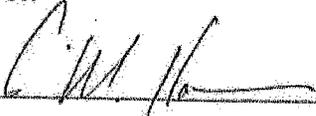
Print Name: James Nagelvoort
Director
Engineering & Capital Projects Department

Print Name: Pedro De Lara, Jr.
Deputy City Attorney

Date: 11/30/2020

Date: 12/11/20

CONTRACTOR

By 

Print Name: Paul M. Henderson

Title: President

Date: 9/29/2020

City of San Diego License No.: B1995007394

State Contractor's License No.: 398284

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000008298

CERTIFICATIONS AND FORMS

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 certifications, forms and affidavits submitted as part of this bid are true and correct.

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 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.

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 5-1.3, "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.

CONTRACTOR CERTIFICATION

AMERICANS 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 Americans With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 5-1.2, "California Building Code, California Code of Regulations Title 24 and Americans 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 5-1.4, ("Contractor Standards and Pledge of Compliance"), 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.

CONTRACTOR CERTIFICATION

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.

CONTRACTOR CERTIFICATION

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:

Sewer and AC Water Group 1032

(Project Title)

as particularly described in said contract and identified as Bid No. **K-20-1933-DBB-3**, SAP No. (WBS/IO/CC) **B-17104, B-17105**; 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 that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, 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 - Section 3-2, "SELF-PERFORMANCE", 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 SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① 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 | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified 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 BIDDERS FOR FURTHER INFORMATION**

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

- ① 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):
- | | | | |
|---|--------|--|---------|
| 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 | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified 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**
- C. SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE**
- D. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- E. DEBARMENT AND SUSPENSION CERTIFICATION (PRIME CONTRACTOR)**
- F. DEBARMENT AND SUSPENSION CERTIFICATION (SUBCONTRACTORS/SUPPLIERS/MANUFACTURERS)**

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 KTA Construction, Inc. as Principal, and The Guarantee Company of North America USA as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly 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

Sewer and AC Water Group 1032, K-20-1933-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 10th day of July, 2020

KTA Construction, Inc. (SEAL)
(Principal)

By: [Signature]
(Signature)

The Guarantee Company of North America USA (SEAL)
(Surety)

By: [Signature]
(Signature)



Lawrence F. McMahon, 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 of San Diego



On July 10, 2020 before me, Maria Guise, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Lawrence F. McMahon
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~is/~~ subscribed to the within instrument and acknowledged to me that he/~~she/it/they~~ executed the same in his/~~her/its/their~~ authorized capacity(~~ies~~), and that by his/~~her/its/their~~ signature(~~s~~) on the instrument the person(~~s~~), 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.

Signature
Signature of Notary Public: Maria Guise



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer is Representing:
Surety Company

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer is Representing:



POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS: That THE GUARANTEE COMPANY OF NORTH AMERICA USA, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint

Lawrence F. McMahon, Maria Vhanneza Guise, Sarah Myers, James D. Castle, Janice Martin
Alliant Insurance Services, Inc.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of THE GUARANTEE COMPANY OF NORTH AMERICA USA at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

- 1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
- 2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
- 3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
- 4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.



IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 2nd day of October, 2015.

THE GUARANTEE COMPANY OF NORTH AMERICA USA

STATE OF MICHIGAN
County of Oakland

Stephen C. Ruschak, President & Chief Operating Officer

Randall Musselman, Secretary

On this 2nd day of October, 2015 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of said company.



Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland
My Commission Expires February 27, 2024
Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 10th day of July 2020

Randall Musselman, Secretary

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.

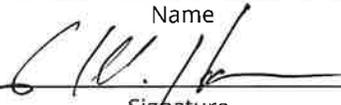
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- 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 CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


 Name
 Signature

Date 07/21/2020

USE ADDITIONAL FORMS AS NECESSARY

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE
***** FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES *****
(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
ADD	Name: <u>SoClaris Contracting</u> Address: <u>7437 Lowell Ct</u> City: <u>La Mesa</u> State: <u>Ca</u> Zip: <u>91941</u> Phone: <u>619-465-3438</u> Email: <u>soclaris@sbcglobal.net</u>	Constructor	1000011964	793838 A Ex: 4/30/21	Hazmat	\$50,425.00	SLBE	City of San Diego	
ADD	Name: <u>Cali Construction</u> Address: <u>12935 Pomerado Rd. Suite C</u> City: <u>Poway</u> State: <u>CA</u> Zip: <u>92064</u> Phone: <u>858-877-0394</u> Email: <u>estimating@cali-sd.com</u>	Constructor	1000461918	948657 A/B Ex: 6/30/22	AC Paving	\$653,072.35	ELBE	City of San Diego	
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								

- ① 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 | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified 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.

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
KTA Construction Inc.			
Street Address	City	State	Zip
821 Tavern Rd.	Alpine	CA	91901
Contact Person, Title		Phone	Fax
Paul M. Henderson, President		(619) 562-9464	(619) 562-1685

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.

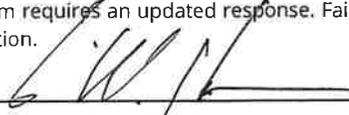
Name	Title/Position
Paul M. Henderson	President
City and State of Residence	Employer (if different than Bidder/Proposer)
San Diego, CA	Same
Interest in the transaction	
100% Ownership / Responsible for supervising preparation of the bids/proposals.	

Name	Title/Position
Adam Ogden	Estimator/Project Manager
City and State of Residence	Employer (if different than Bidder/Proposer)
El Cajon, CA	Same
Interest in the transaction	
0% Ownership / Assists with preparing bids/proposals all other aspects of project management.	

* 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.

Paul M. Henderson, President



07/21/2020

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

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
KTA Construction Inc.			
Street Address	City	State	Zip
821 Tavern Rd.	Alpine	CA	91901
Contact Person, Title		Phone	Fax
Paul M. Henderson, President		(619) 562-9464	(619) 562-1685

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.

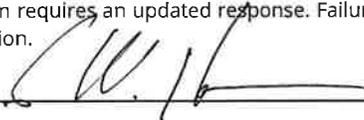
Name	Title/Position
Kennard J. Anderson	Vice President
City and State of Residence	Employer (if different than Bidder/Proposer)
Santee, CA	Same
Interest in the transaction	
0% Ownership / Assists with preparing bids/proposals all other aspects of project management.	

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.

Paul M. Henderson, President



07/21/2020

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.

DEBARMENT AND SUSPENSION CERTIFICATION
PRIME CONTRACTOR
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

EFFECT OF DEBARMENT OR SUSPENSION
To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a): <i>Bidders and contractors</i> who have been <i>debarred</i> or <i>suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract</i> awards, executing <i>contracts</i> , participating as a <i>subcontractor</i> , employee, agent or representative of another <i>person</i> contracting with the City.

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 Names of the Principal Individual owner(s).

The names of all persons interested in the foregoing proposal as Principals are as follows:

NAME	TITLE
Paul M. Henderson	President
Kennard J. Anderson	V.P. / Corp. Secretary

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

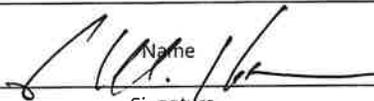
- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


Name
Signature

Date 07/21/2020

NOTE: Providing false information may result in criminal prosecution or administrative sanctions.

**DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

TO BE COMPLETED BY BIDDER

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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 Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Underground Solution- Aegion	
Charles Gordon	President/CEO
David Reuter	VP

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Southwest Traffic Signal Service, Inc	
Ryan Clark	CEO/CFO

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Nuline Technologies	
Dominic Burtech, Jr	Member
Julie Burtech	Member
Frank Durazo, Jr	Member
Salvador Aquino, Jr	Member

SUBCONTRACTOR

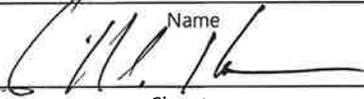
SUPPLIER

MANUFACTURER

NAME	TITLE
R&C Structures, Inc	
Kelly Santar	CEO/Secretary
Peter Santar	CFO

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


 Name
 Signature

Date 07/21/2020

USE ADDITIONAL FORMS AS NECESSARY

**DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Zebbron Contracting, Inc.	
Roger Decker	CEO/CFO
Ty Kline	Secretary

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Pavement Coatings Co.	
Douglas Ford	CEO
Thomas Mucenski	Secretary
Nathan Beyler	CFO

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
SoClaris Contracting	
Sonny Rosenal	President
Clay Rosenal	Secretary

SUBCONTRACTOR

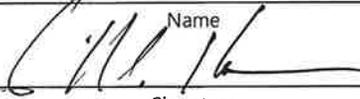
SUPPLIER

MANUFACTURER

NAME	TITLE
Cali Construction	
Ernesto Blancarte	President
Dave Peterson	Vice President

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


 Name
 Signature

Date 07/21/2020

USE ADDITIONAL FORMS AS NECESSARY

**DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

TO BE COMPLETED BY BIDDER

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
McGrath Consulting	
Micheal McGrath	President

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Statewide Stripes, Inc	
David Brillhante	CEO/CFO
Jason McElveny	Secretary

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Cell-Crete Corporation	
Loius Fisher	CEO
Alexandra Dangelantonio	Secretary
Vincent Mauch	CFO

SUBCONTRACTOR

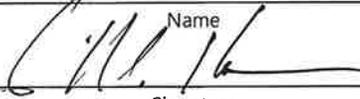
SUPPLIER

MANUFACTURER

NAME	TITLE
Miramar General Engineering	
Ala Karaja	CEO/CFO

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


 Name
 Signature

Date 07/21/2020

USE ADDITIONAL FORMS AS NECESSARY

**DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

TO BE COMPLETED BY BIDDER

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
Code 3 Media	
Chris Marquart	Owner

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
TL Scanlan Construction	
Kristina Scanlan	President
Thomas Scanlan	Vice President

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE
California Auger Boring, Inc	
Kevin Reardon	CEO/CFO
Jennifer Reardon	Secretary

SUBCONTRACTOR

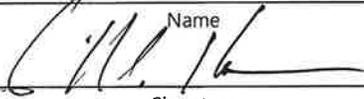
SUPPLIER

MANUFACTURER

NAME	TITLE

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President


 Name
 Signature

Date 07/21/2020

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego

CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM A



FOR

SEWER AND AC WATER GROUP 1032

BID NO.: K-20-1933-DBB-3
SAP NO. (WBS/IO/CC): B-17104, B-17105
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 8
PROJECT TYPE: JA, KB

BID DUE DATE:

2:00 PM
APRIL 10, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

4/1/2020

Date

Seal:



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. REQUIRED DOCUMENTS SCHEDULE

1. To Required Documents Schedule, pages 4 through 5, **DELETE** in their entirety and **SUBSTITUTE** with pages 4 through 5 of this Addendum.

C. CERTIFICATIONS AND FORMS

1. To Electronically Submitted Forms, page 134, **DELETE** in its entirety and **SUBSTITUTE** with page 6 of this Addendum.
2. To Debarment and Suspension Certification (Prime Subcontractor) Form, page 139, **DELETE** in its entirety and **SUBSTITUTE** with page 7 of this Addendum.
3. To Subcontractors/Suppliers/Manufacturers Form, page 140, **DELETE** in its entirety and **SUBSTITUTE** with page 8 of this Addendum.

D. PLANS

1. To the Traffic Control Plan Sheets Numbered **40915-T01-D** through **40915-T24-D**, **DELETE** in their entirety and **REPLACE** with pages 9 through 32 of this addendum.

James Nagelvoort, Director
Public Works Department

Dated: *April 1, 2020*
San Diego, California

JN/RB/WRF

REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
6.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	By 5PM Next Business Day After Bid Opening	5 APPARENT LOW BIDDERS
8.	SLBE Good Faith Effort Documentation	Within 3 working days of bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Phased Funding Schedule Agreement	Within 10 working days of receipt by the bidder of the Notice of Intent to Award.	APPARENT LOW BIDDER
11.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
12.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	APPARENT LOW BIDDER

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
13.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	APPARENT LOW BIDDER
14.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER

ELECTRONICALLY SUBMITTED FORMS

FAILURE TO FULLY COMPLETE AND SUBMIT ANY OF THE FOLLOWING FORMS WILL DEEM YOUR BID NON-RESPONSIVE.

PLANETBIDS WILL NOT ALLOW FOR BID SUBMISSIONS WITHOUT THE ATTACHMENT OF THESE FORMS

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. SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE**
- D. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- E. DEBARMENT AND SUSPENSION CERTIFICATION (PRIME CONTRACTOR)**
- F. DEBARMENT AND SUSPENSION CERTIFICATION (SUBCONTRACTORS/SUPPLIERS/MANUFACTURERS)**

DEBARMENT AND SUSPENSION CERTIFICATION
PRIME CONTRACTOR
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

EFFECT OF DEBARMENT OR SUSPENSION
To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a): <i>Bidders and contractors</i> who have been <i>debarred</i> or <i>suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract</i> awards, executing <i>contracts</i> , participating as a <i>subcontractor</i> , employee, agent or representative of another <i>person</i> contracting with the City.

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 Names of the Principal Individual owner(s).

The names of all persons interested in the foregoing proposal as Principals are as follows:

NAME	TITLE

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: _____

Certified By _____ Title _____

Name _____ Date _____
 Signature _____

NOTE: Providing false information may result in criminal prosecution or administrative sanctions.

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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 Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE

SUBCONTRACTOR

SUPPLIER

MANUFACTURER

NAME	TITLE

Contractor Name: _____

Certified By _____ Title _____
Name

_____ Date _____
Signature

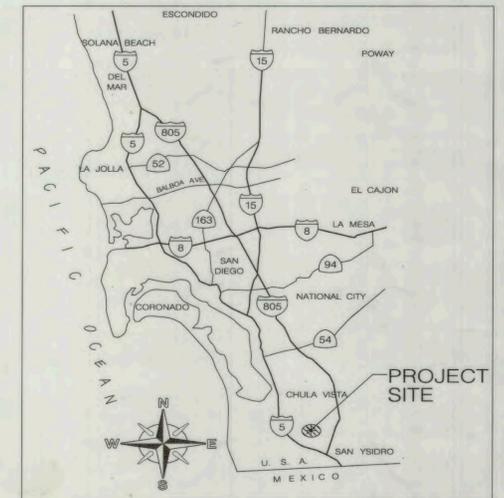
USE ADDITIONAL FORMS AS NECESSARY

SEWER AND AC WATER GROUP 1032 TRAFFIC CONTROL

TRAFFIC CONTROL NOTES:

- VALIDATION. THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 601-2 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CONTACT THE PUBLIC WORKS TRAFFIC CONTROL SECTION AT (858) 495-4742 TO OBTAIN A PERMIT. THE CONTRACTOR MUST CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- STANDARDS. THE TRAFFIC CONTROL PLAN SHALL CONFORM TO THE EACH OF THE FOLLOWING MANUALS:
 - PWPIO119-01 2018 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK")
 - PWPIO119-02 2018 CITY OF SAN DIEGO SUPPLEMENT TO THE "GREENBOOK" ("WHITEBOOK")
 - PWPIO119-03 2018 CITY OF SAN DIEGO STANDARD DRAWINGS
 - PWPIO92816-07 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)
- NOTIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION OR TRAFFIC CONTROL:
 - FIRE DEPARTMENT DISPATCH (STREET OR ALLEY CLOSURE) (858) 573-1300
 - POLICE DEPARTMENT DISPATCH (STREET OR ALLEY CLOSURE) (858) 531-2000
 - ENVIRONMENTAL SERVICES (REFUSE COLLECTION) (858) 492-5060
 - STREET DIVISION/ELECTRICAL (TRAFFIC SIGNALS) (619) 527-7500
 - METROPOLITAN TRANSIT SYSTEM (MTS) (BUS STOPS) (619) 595-7038 EXT. 6451
 - METROPOLITAN TRANSIT SYSTEM (MTS) (TAXI ZONES) (619) 235-2644
 - METROPOLITAN TRANSIT SYSTEM (MTS) (TROLLEY LINES) (619) 595-4930
 - UNDERGROUND SERVICE ALERT (ANY EXCAVATION) (800) 422-4133
- THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
- POSTING NO PARKING SIGNS. THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS SEVENTY-TWO (72) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS, EXCEPT AS OTHERWISE SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. CONTRACTOR SHALL MONITOR TRENCH PLATES DURING NON-WORKING HOURS TO ENSURE THAT THEY DO NOT BECOME DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES, BIKE LANES AND PEDESTRIAN WALKWAYS OPEN TO APPROPRIATE TRAFFIC, EXCEPT AS OTHERWISE SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS.
- TEMPORARY TRAFFIC SIGNAL DETECTION. THE CONTRACTOR SHALL INSTALL CITY APPROVED TEMPORARY VIDEO OR RADAR DETECTION WHEN EXISTING TRAFFIC SIGNAL DETECTION SYSTEMS ARE DAMAGED, DISABLED OR BECOME INEFFECTIVE DUE TO CONSTRUCTION FOR A PERIOD OF FIVE (5) OR MORE DAYS. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL TEMPORARY TRAFFIC SIGNAL DETECTION EQUIPMENT AND RESTORE/INSTALL A CITY APPROVED PERMANENT VEHICLE DETECTION SYSTEM UPON COMPLETION OF CONSTRUCTION. ALL INSTALLATIONS AND REMOVALS ARE SUBJECT TO APPROVAL BY CITY ENGINEER.
- CHANGES IN WORK. THE CITY RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. ANY SUCH CHANGES SHALL BE DOCUMENTED AND SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE CITY RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE PUBLIC WORKS TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.
- THE CONTRACTOR SHALL PLACE "OPEN TRENCH" SIGNS (C27(CA)) ON BARRICADES WITHIN THE WORK ZONE, A HEAD OF ANY WORK AREA WHICH INCLUDES OPEN TRENCHES IN EXCESS OF THREE (3) INCHES IN DEPTH, PER CA MUTCD SECTION 6F.103 (CA) GUIDELINES.

TRAFFIC CONTROL SIGN LEGEND



LEGEND

- WORK AREA
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW SIGN (FAS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PORTABLE FLASHING BEACON (PFB)
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

VICINITY MAP NOT TO SCALE

CONSTRUCTION NOTES

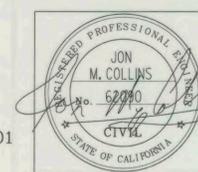
- CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- SPACE DELINEATORS 12' ON CENTER.
- SPACE DELINEATORS 25' ON CENTER.
- CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
- SPACE DELINEATORS 50' ON CENTER.
- CONTRACTOR TO MAINTAIN DRIVEWAY/SIDE STREET ACCESS DURING NORMAL BUSINESS HOURS.
- CONTRACTOR SHALL MAINTAIN ONE PEDESTRIAN CROSSING ACROSS SAN YSIDRO BLVD. AT ALL TIMES DURING THIS PHASE.

SHEET NO.	DISCIPLINE CODE	TITLE
1	T-1	COVER SHEET
2	T-2	KEYMAP - CALTRANS
3	T-3	SAN YSIDRO BLVD/DAIRY MART ROAD-PHASE 1
4	T-4	SAN YSIDRO BLVD/DAIRY MART ROAD-PHASE 2
5	T-5	SAN YSIDRO BLVD/I-5 RAMP-PHASE 3
6	T-6	SAN YSIDRO BLVD/I-5 RAMP-PHASE 4
7	T-7	SAN YSIDRO BLVD/I-5 RAMP-PHASE 5
8	T-8	SAN YSIDRO BLVD/I-5 RAMP-PHASE 6
9	T-9	W SAN YSIDRO BLVD/VIA DE SAN YSIDRO-PHASE 7
10	T-10	W SAN YSIDRO BLVD/VIA DE SAN YSIDRO-PHASE 8
11	T-11	W SAN YSIDRO BLVD/VIA DE SAN YSIDRO-PHASE 9
12	T-12	KEY MAP - TYPICAL SETUPS
13-24	T-13 - T-24	SAN YSIDRO BLVD - TYPICAL SETUPS

STREET NAME	EXTENTS	STREET CLASSIFICATION	ADT	STREET WIDTH	POSTED SPEED (MPH)	85TH PERCENTILE	DESIGN SPEED (MPH)
SAN YSIDRO BLVD	ISLA DEL CARMEN WY TO DAIRY MART RD	LIGHT COLLECTOR	6,550	64'	30	35	40
W SAN YSIDRO BLVD	DAIRY MART RD TO SUNSET LN	MAJOR ARTERIAL	16,148	75'	35	39	35
W SAN YSIDRO BLVD	SUNSET LN TO COTTONWOOD RD	COLLECTOR	5,300	55'	35	39	35
VIA DE SAN YSIDRO	E SAN YSIDRO BLVD TO W CALLE PRIMERA	MAJOR ARTERIAL	25,800	49'	-	35	30

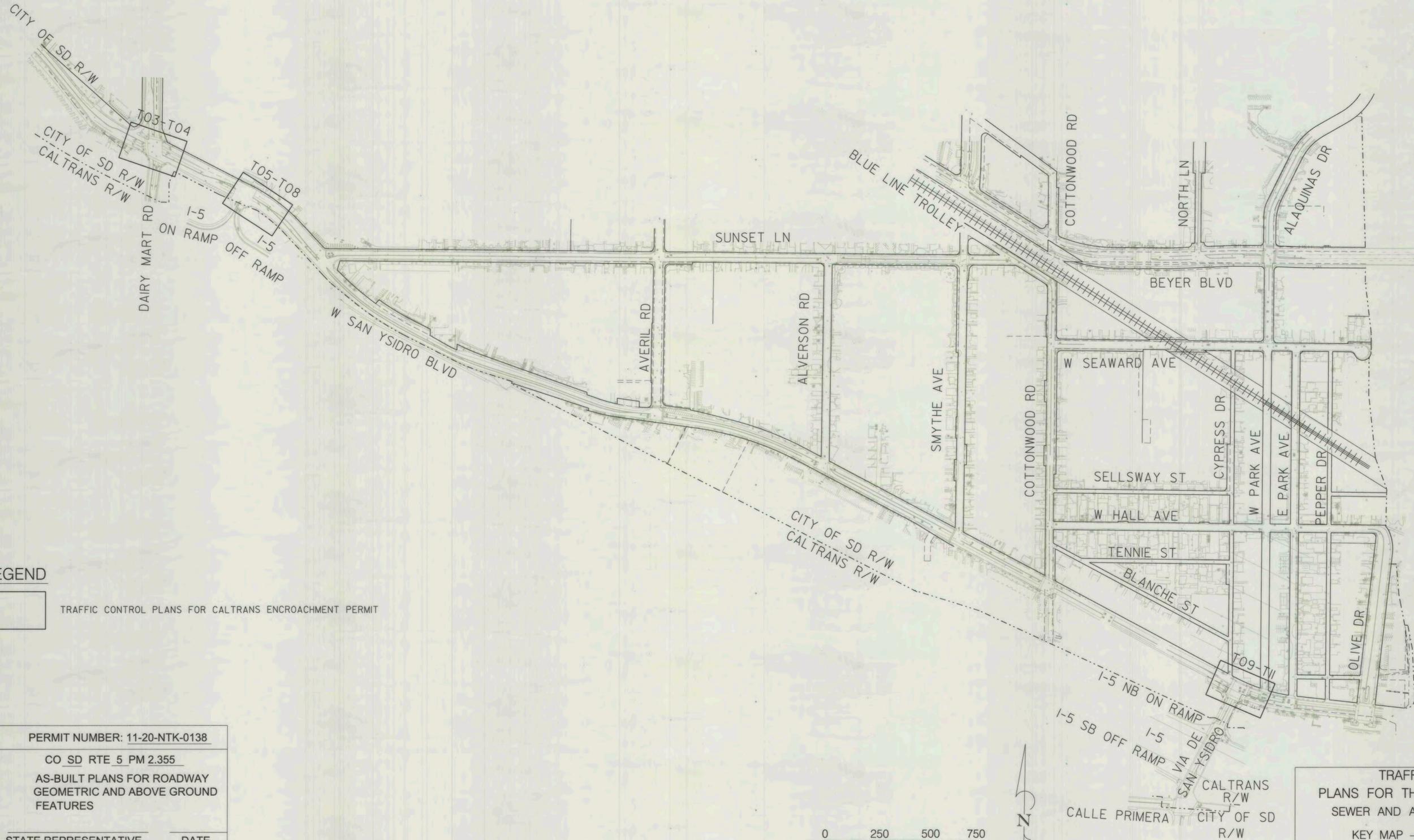
Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 COVER SHEET

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 101 OF T24 SHEETS		B-17104 WBS B-17105
APPROVED FOR CITY ENGINEER Ahmed Aburahmah DATE: 3/25/2020	DESIGNED BY AZIN NOUR	PROJECT MANAGER CELINA VEGA
DEPUTY CITY ENGINEER	DESCRIPTION ORIGINAL	BY KHA
APPROVED	DATE	FILMED
CONTRACTOR	DATE STARTED	40915-T01-D
INSPECTOR	DATE COMPLETED	



LEGEND

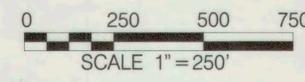
TRAFFIC CONTROL PLANS FOR CALTRANS ENCROACHMENT PERMIT

PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

STATE REPRESENTATIVE	DATE
PLAN SET 1 PAGE 2 OF 11	



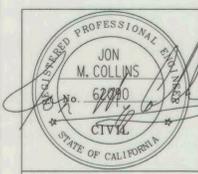
T-02

**TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
KEY MAP - CALTRANS SETUPS**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET T02 OF T24 SHEETS		WBS B-17104 B-17105
APPROVED FOR CITY ENGINEER <i>Ahmed Aburahmah</i> AHMED ABURAHMAH DEPUTY CITY ENGINEER	DATE 03/25/2020	DESIGNED BY AZIN NOUR PROJECT MANAGER CHECKED BY CELINA VEGA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	KHA	
DATE STARTED	DATE COMPLETED	
CONTRACTOR		40915-T02-D
INSPECTOR		

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



NIGHT WORK HOURS

8:30 P.M. TO 3:30 A.M.

SPECIAL NOTE FOR THIS PHASE

CONTRACTOR TO ADJUST SIGNAL PHASING TO SPLIT PHASE.

PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

STATE REPRESENTATIVE DATE PLAN SET 1 PAGE 3 OF 11

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO FLASH.

LEGEND

- WORK ZONE
DELINEATOR OR CONE
SIGN
TYPE III BARRICADE WITH SIGN
FLASHING ARROW BOARD (FAS)
FLASHING ARROW BOARD (BI-DIRECTION)
TRAFFIC SIGNAL
TRAFFIC DIRECTIONAL ARROW
PFB PORTABLE FLASHING BEACON (PFB)
PROPOSED LANE WIDTHS
EXISTING LANE WIDTHS

CONSTRUCTION NOTES

- CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
SPACE DELINEATORS 12' ON CENTER.
SPACE DELINEATORS 25' ON CENTER.
CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

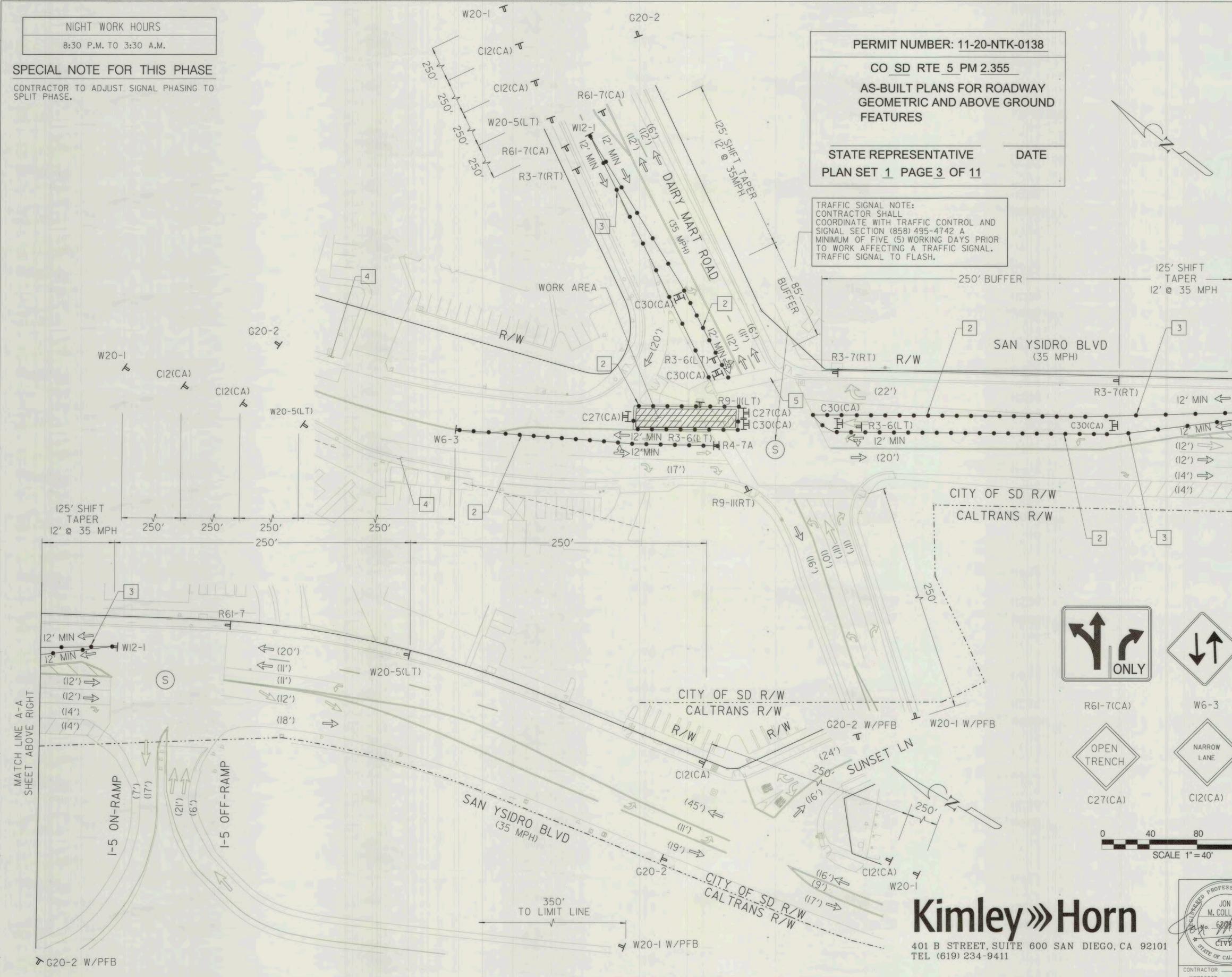
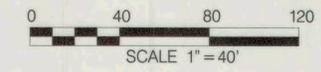
Sign legend including symbols for Lane Closed, End Road Work, Road Work Ahead, Right Lane Must Turn Right, Left Lane Closed Ahead, Detour, Open Trench, Narrow Lane, and various traffic signals.

TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SAN YSIDRO BLVD / DAIRY MART ROAD PHASE 1

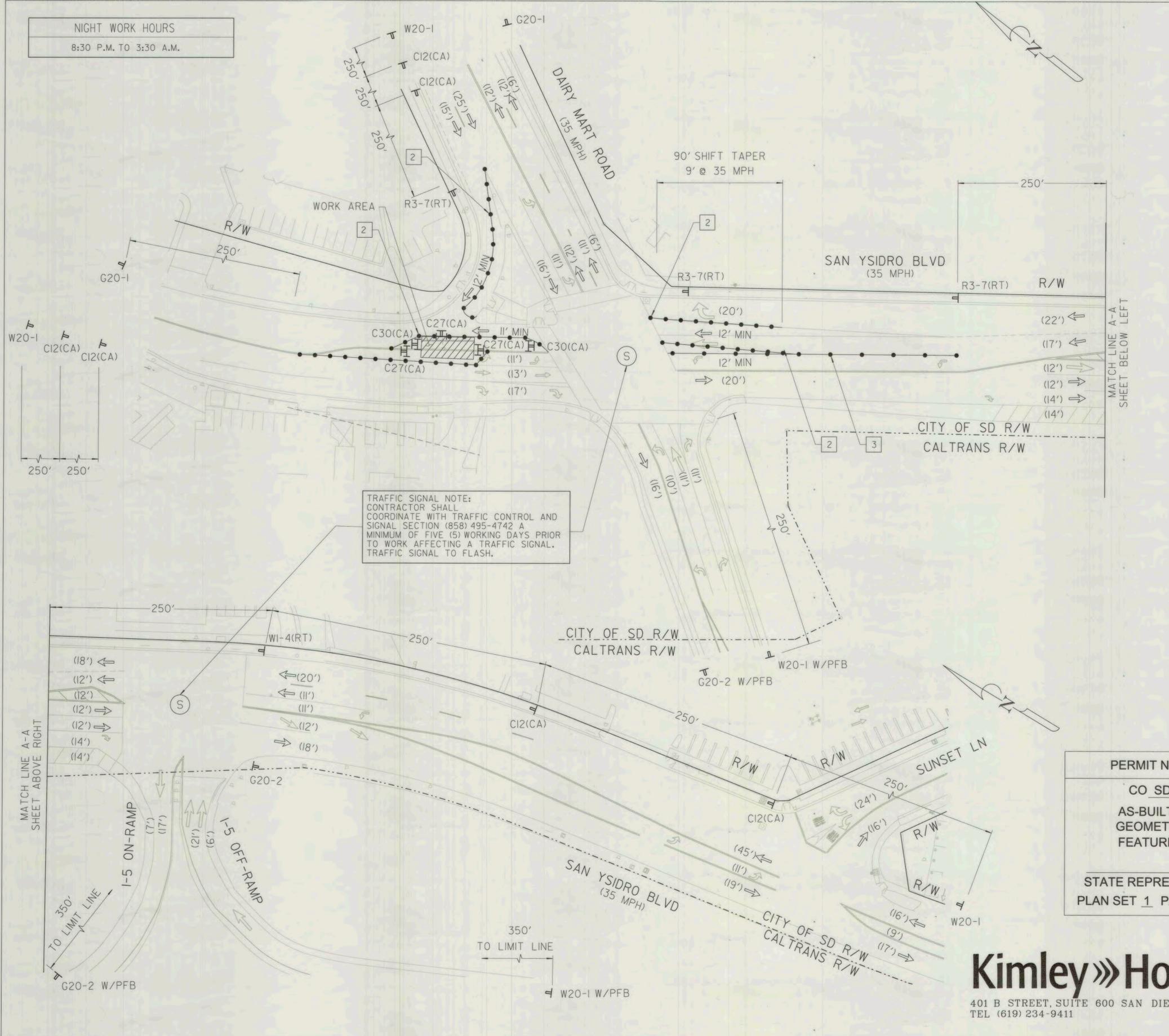
Table with columns for City of San Diego, Public Works Department, Project Manager (Azin Nour), and Project Engineer (Celina Vega).

Kimley Horn logo

401 B STREET, SUITE 600 SAN DIEGO, CA 92101 TEL (619) 234-9411



NIGHT WORK HOURS
8:30 P.M. TO 3:30 A.M.



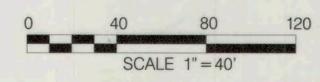
- LEGEND**
- WORK AREA
 - DELINEATOR OR CONE
 - SIGN
 - TYPE III BARRICADE WITH SIGN
 - FLASHING ARROW SIGN (FAS)
 - TRAFFIC SIGNAL
 - TRAFFIC DIRECTIONAL ARROW
 - PORTABLE FLASHING BEACON (PFB)
 - PROPOSED LANE WIDTH
 - EXISTING LANE WIDTH

- CONSTRUCTION NOTES**
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
 - 2 SPACE DELINEATORS 12' ON CENTER.
 - 3 SPACE DELINEATORS 25' ON CENTER.
 - 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
 - 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO FLASH.

- SIGN LEGEND**
- NARROW LANE
C12(CA)
 - LANE CLOSED
C30(CA)
 - END ROAD WORK
G20-2
 - ROAD WORK AHEAD
W20-1
 - RIGHT LANE MUST TURN RIGHT
R3-7(RT)
 - OPEN TRENCH
C27(CA)
 - WI-4(RT)

PERMIT NUMBER: 11-20-NTK-0138
CO SD RTE 5 PM 2.355
AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES
STATE REPRESENTATIVE _____ DATE _____
PLAN SET 1 PAGE 4 OF 11

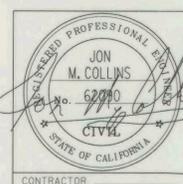


T-04

TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SAN YSIDRO BLVD / DAIRY MART ROAD
PHASE 2

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 0401 SHEETS		B-17104 WBS B-17105
DATE: 02/25/2020		APPROVED BY: AZHIN NOUR PROJECT MANAGER
DESIGNED BY: AHMED ABURAHMAH DEPUTY CITY ENGINEER		CHECKED BY: CELINA VEGA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	KHA	
DATE STARTED	DATE COMPLETED	
CONTRACTOR INSPECTOR		40915-T04-D

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401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



WORK HOURS

8:30 A.M TO 3:30 P.M.

SPECIAL NOTE THIS PHASE

CONTRACTOR TO CONSTRUCT ONLY WATER LINES IN THIS PHASE.

PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

STATE REPRESENTATIVE
PLAN SET 1 PAGE 5 OF 11

DATE

TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO REMAIN IN OPERATION.

LEGEND

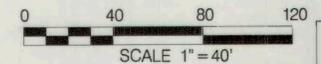
- WORK AREA
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW SIGN (FAS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PORTABLE FLASHING BEACON (PFB)
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

CONSTRUCTION NOTES

- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

- LANE CLOSED
- END ROAD WORK
- ROAD WORK AHEAD
- NARROW LANE
- RIGHT TURN ARROW
- KEEP RIGHT
- OPEN TRENCH
- RIGHT LANE MUST TURN RIGHT



T-05

TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SAN YSIDRO BLVD / I-5 RAMP
PHASE 3

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEETS 05 OF 14 SHEETS

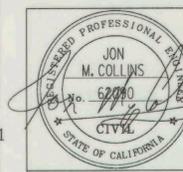
FOR CITY ENGINEER
AHMED ABURAHMAH
DEPUTY CITY ENGINEER

DATE: 03/25/2020

SUBMITTED BY: AZIN NOUR
PROJECT MANAGER

DRAWN BY: CELINA VEGA
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KHA			



CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

40915-T05-D

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411

WORK HOURS
8:30 A.M TO 3:30 P.M.

PERMIT NUMBER: 11-20-NTK-0138
CO SD RTE 5 PM 2.355
AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES
STATE REPRESENTATIVE _____ **DATE** _____
PLAN SET 1 PAGE 6 OF 11

TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO REMAIN IN OPERATION.

LEGEND

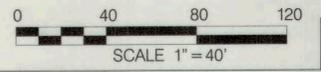
- WORK AREA
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW SIGN (FAS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PORTABLE FLASHING BEACON (PFB)
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

CONSTRUCTION NOTES

- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

C30(CA)	G20-2	C12(CA)
W12-1	W20-1	R3-7(RT)
R3-8(MOD)	C20(CA)R	C27(CA)



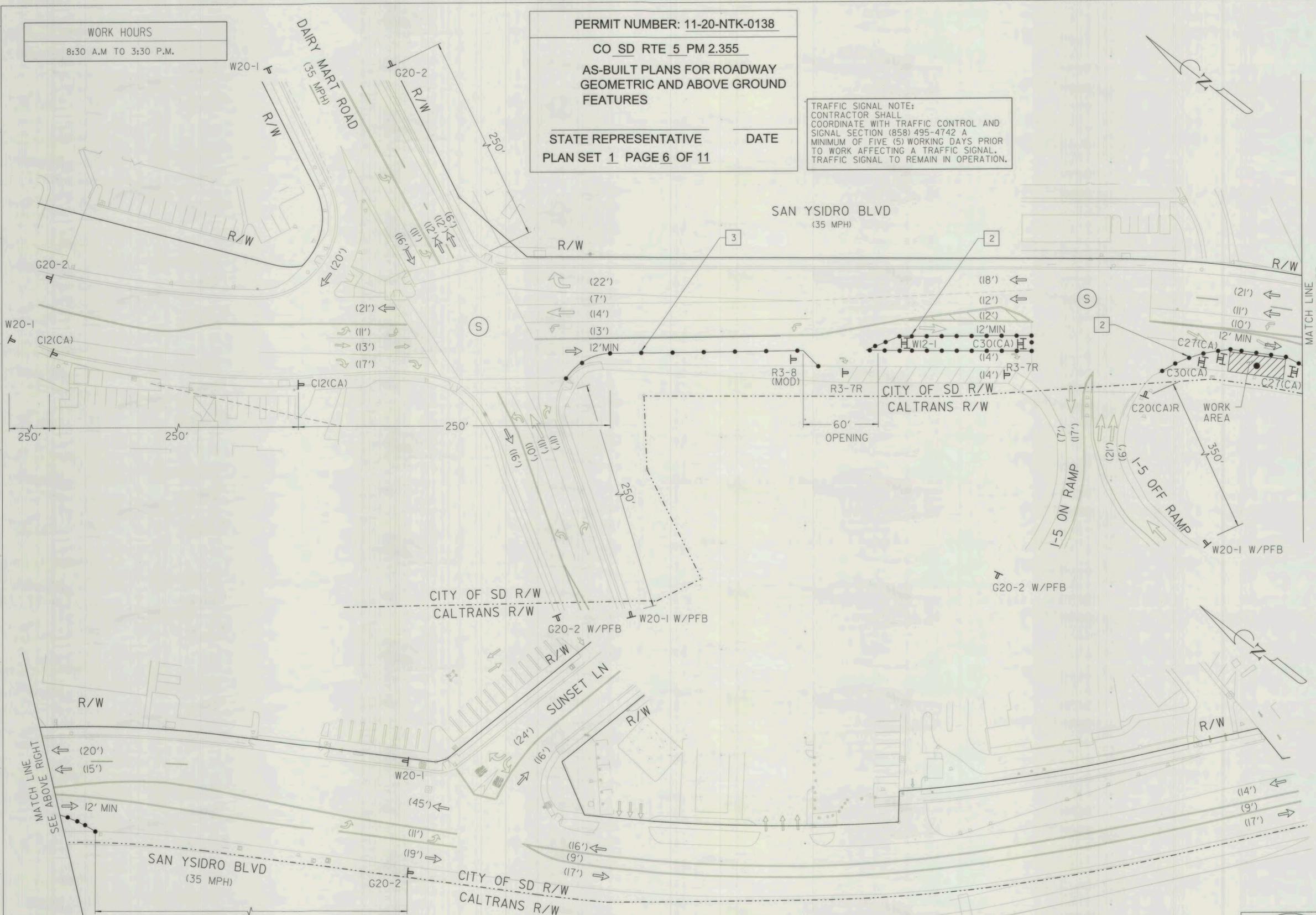
T-06

TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SAN YSIDRO BLVD / I-5 RAMP PHASE 4

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 26 OF 24 SHEETS		DATE: 03/25/2020	
SUBMITTED BY: AHMED ABURAHMAH DEPUTY CITY ENGINEER		PROJECT MANAGER: AZIN NOUR	
CHECKED BY: CELINA VEGA PROJECT ENGINEER		PROJECT ENGINEER: CELINA VEGA	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	KHA		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		40915-T06-D	

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



NIGHT WORK HOURS

8:30 P.M. TO 3:30 A.M.

SPECIAL NOTE THIS PHASE

CONTRACTOR TO CONSTRUCT ONLY SEWER PIPES AND WATER/SEWER LATERALS IN THIS PHASE.

PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

STATE REPRESENTATIVE PLAN SET 1 PAGE 7 OF 11

DATE

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO FLASH.

LEGEND

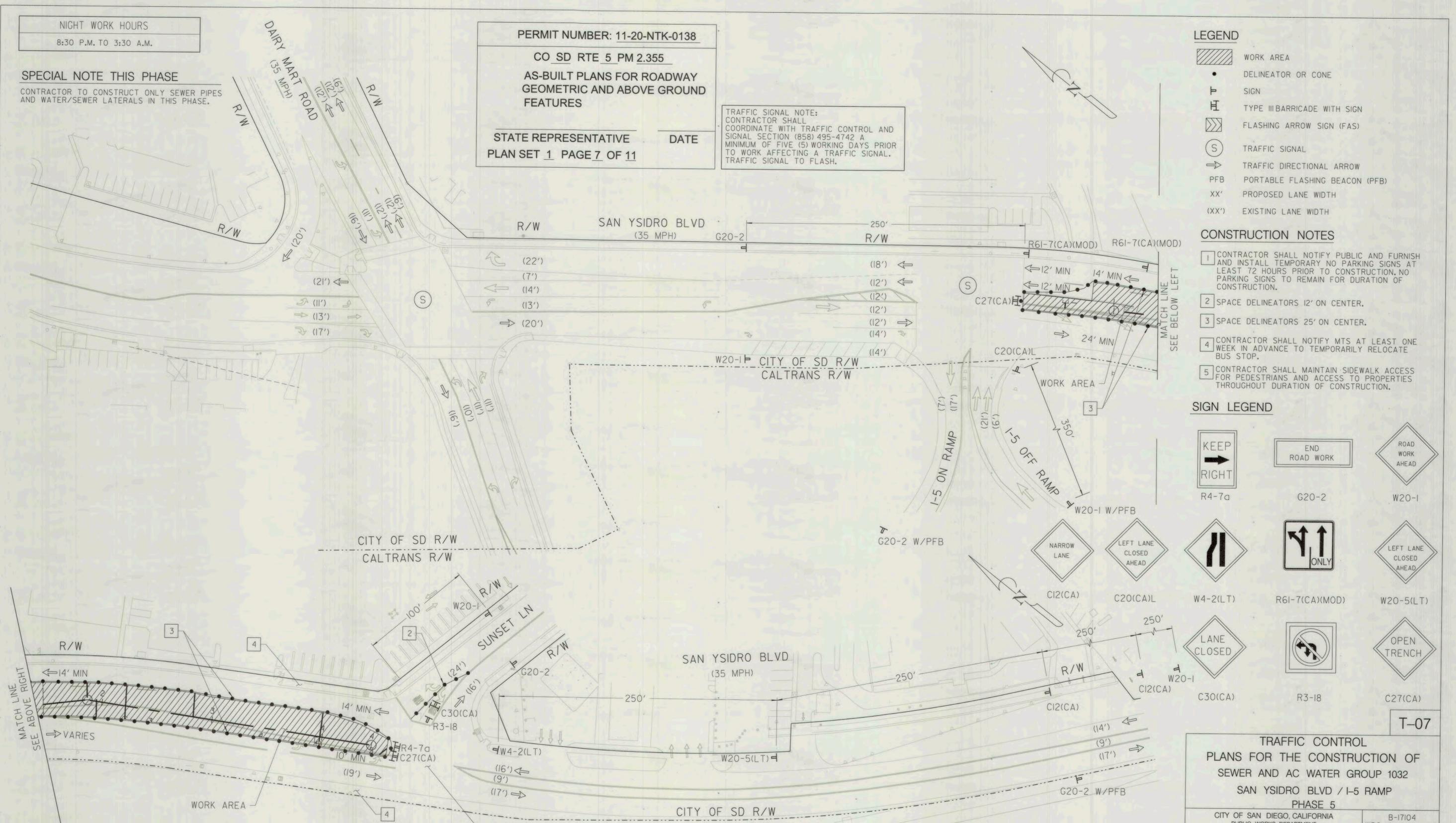
- WORK AREA
DELINEATOR OR CONE
SIGN
TYPE III BARRICADE WITH SIGN
FLASHING ARROW SIGN (FAS)
TRAFFIC SIGNAL
TRAFFIC DIRECTIONAL ARROW
PORTABLE FLASHING BEACON (PFB)
PROPOSED LANE WIDTH
EXISTING LANE WIDTH

CONSTRUCTION NOTES

- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
2 SPACE DELINEATORS 12' ON CENTER.
3 SPACE DELINEATORS 25' ON CENTER.
4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

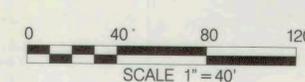
- KEEP RIGHT
END ROAD WORK
ROAD WORK AHEAD
NARROW LANE
LEFT LANE CLOSED AHEAD
LEFT LANE CLOSED AHEAD
LANE CLOSED
OPEN TRENCH



MATCH LINE SEE ABOVE RIGHT

MATCH LINE SEE BELOW LEFT

CONTRACTOR TO MAKE THIS AN ALL-WAY STOP



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401 B STREET, SUITE 600 SAN DIEGO, CA 92101 TEL (619) 234-9411

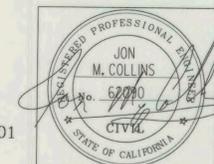


Table with project details: TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SAN YSIDRO BLVD / I-5 RAMP PHASE 5. Includes City of San Diego, Public Works Department, project manager Azin Nour, and project engineer Celina Vega. Includes a date stamp of 03/25/2020.

WORK HOURS
8:30 A.M TO 3:30 P.M.

PERMIT NUMBER: 11-20-NTK-0138
CO SD RTE 5 PM 2.355
AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES
STATE REPRESENTATIVE _____ **DATE** _____
PLAN SET 1 PAGE 8 OF 11

TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO REMAIN IN OPERATION.

LEGEND

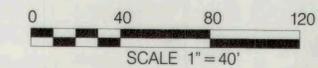
- WORK AREA
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW SIGN (FAS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PORTABLE FLASHING BEACON (PFB)
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

CONSTRUCTION NOTES

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SIGN LEGEND

- END ROAD WORK
 - ROAD WORK AHEAD
 - RIGHT LANE CLOSED AHEAD
 - OPEN TRENCH
 - KEEP LEFT
 - NARROW LANE
- G20-2 W20-1 W20-5(RT)
C27(CA) R4-7A(L) C12(CA)



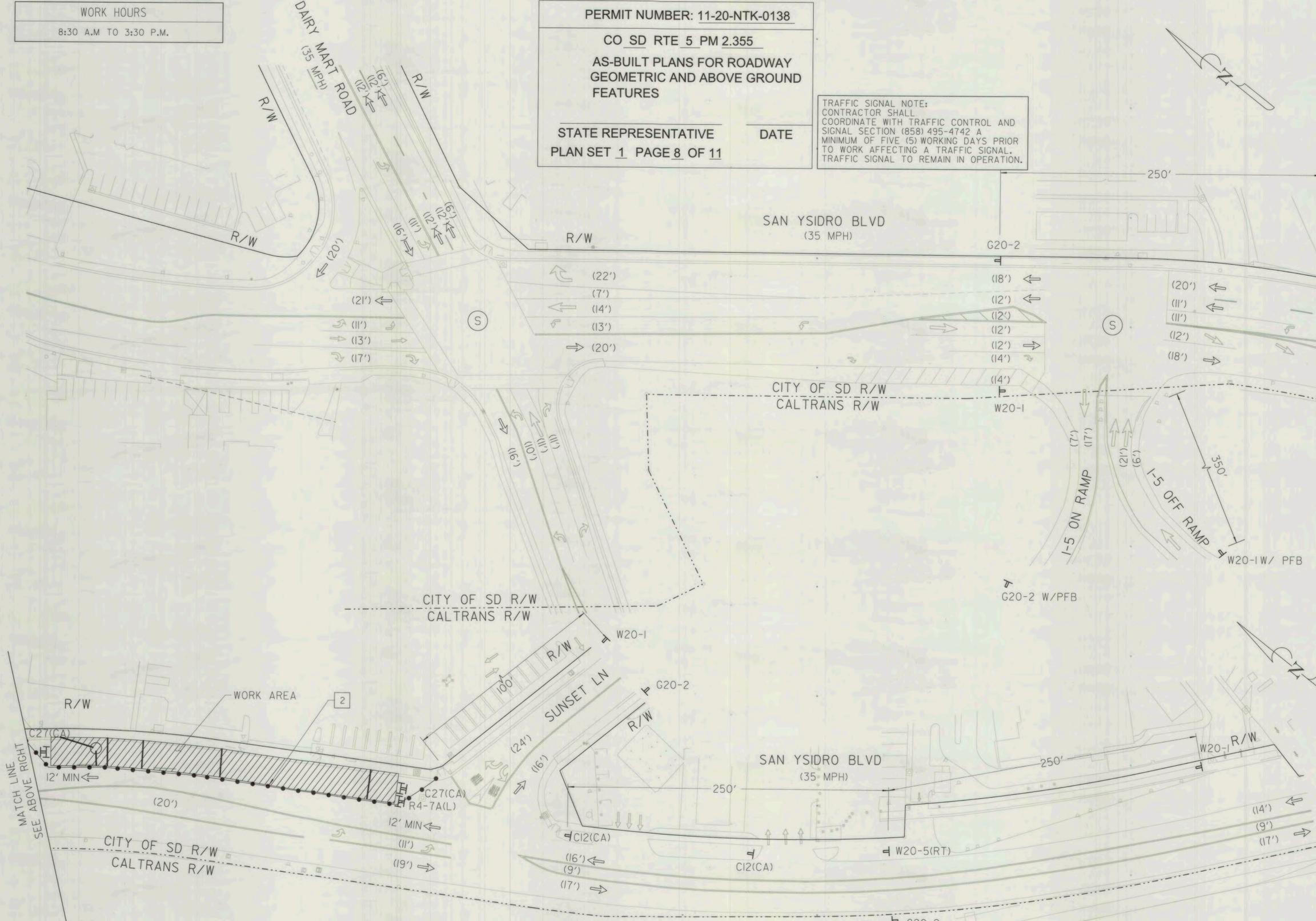
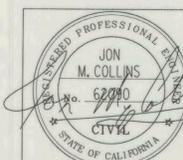
T-08

TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SAN YSIDRO BLVD / I-5 RAMP PHASE 6

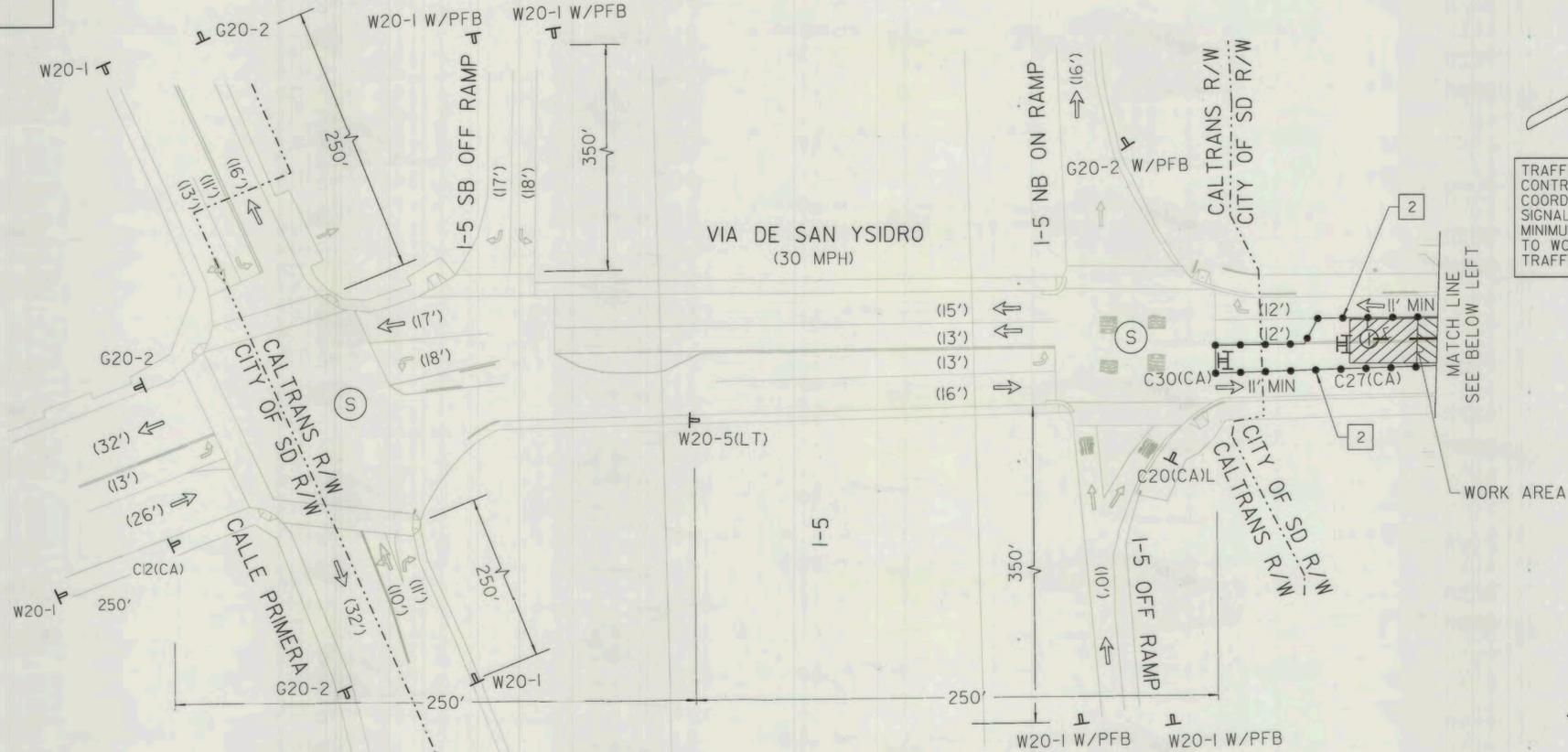
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 08 OF 14 SHEETS		B-17104 WBS B-17105
APPROVED BY: <i>Ahmed Aburahmah</i> 03/25/2020 FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		SUBMITTED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	KHA	
DATE		
FILMED		
CONTRACTOR INSPECTOR		DATE STARTED
		DATE COMPLETED
		40915-T08-D

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



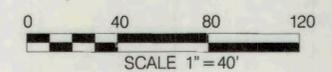
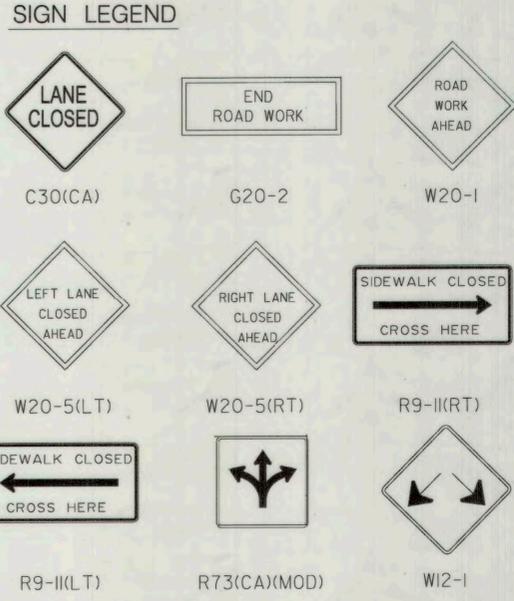
NIGHT WORK HOURS
8:30 P.M. TO 3:30 A.M.



TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858) 495-4742 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL. TRAFFIC SIGNAL TO REMAIN IN OPERATION.

- LEGEND**
- WORK AREA
 - DELINEATOR OR CONE
 - SIGN
 - TYPE III BARRICADE WITH SIGN
 - FLASHING ARROW SIGN (FAS)
 - TRAFFIC SIGNAL
 - TRAFFIC DIRECTIONAL ARROW
 - PROPOSED LANE WIDTH
 - EXISTING LANE WIDTH

- CONSTRUCTION NOTES**
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
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PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

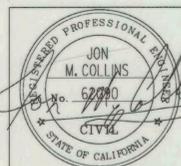
STATE REPRESENTATIVE _____ DATE _____

PLAN SET 1 PAGE 10 OF 11

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411

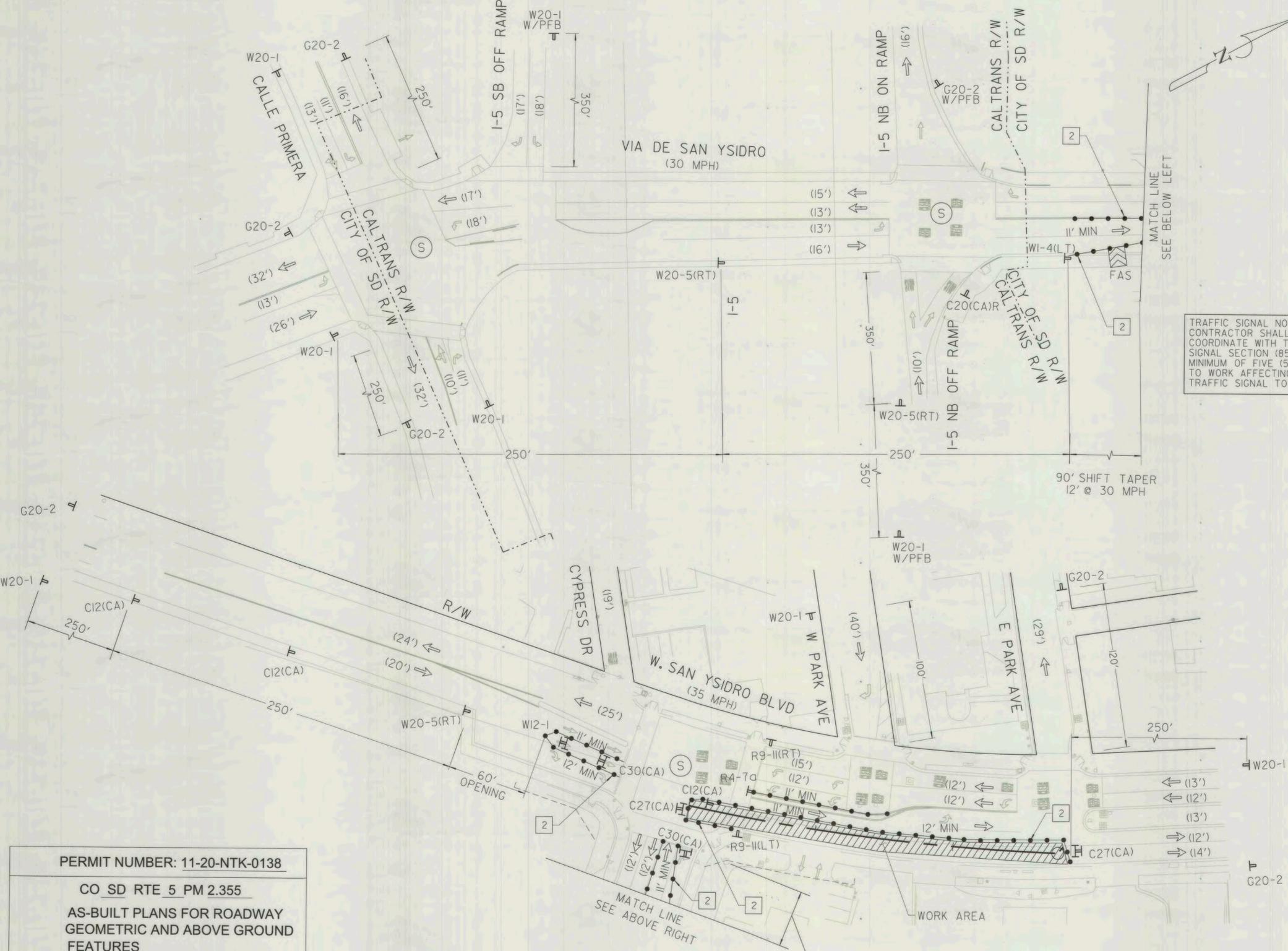
TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SAN YSIDRO BLVD / VIA DE SAN YSIDRO PHASE 8



CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 10 OF 124 SHEETS		B-17104 WBS B-17105
FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		DATE 03/25/2020 PROJECT MANAGER AZIN NOUR PROJECT ENGINEER CELINA VEGA
DESCRIPTION ORIGINAL	BY KHA	APPROVED
DATE	FILED	
CONTRACTOR INSPECTOR		DATE STARTED
		DATE COMPLETED

40915-T10-D

NIGHT WORK HOURS
8:30 P.M. TO 3:30 A.M.



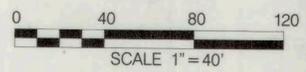
TRAFFIC SIGNAL NOTE:
CONTRACTOR SHALL
COORDINATE WITH TRAFFIC CONTROL AND
SIGNAL SECTION (858) 495-4742 A
MINIMUM OF FIVE (5) WORKING DAYS PRIOR
TO WORK AFFECTING A TRAFFIC SIGNAL.
TRAFFIC SIGNAL TO REMAIN IN OPERATION.

- LEGEND**
- WORK AREA
 - DELINEATOR OR CONE
 - SIGN
 - TYPE III BARRICADE WITH SIGN
 - FLASHING ARROW SIGN (FAS)
 - TRAFFIC SIGNAL
 - TRAFFIC DIRECTIONAL ARROW
 - PORTABLE FLASHING BEACON (PFB)
 - PROPOSED LANE WIDTH
 - (XX') symbol"/> EXISTING LANE WIDTH

- CONSTRUCTION NOTES**
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
 - 2 SPACE DELINEATORS 12' ON CENTER.
 - 3 SPACE DELINEATORS 25' ON CENTER.
 - 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
 - 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

C12(CA)	C30(CA)	G20-2	W20-1
C27(CA)	W1-3(L)	W20-5(RT)	R4-7a
C20(CA)R	C12(CA)	R9-11(LT)	R9-11(RT)



PERMIT NUMBER: 11-20-NTK-0138

CO SD RTE 5 PM 2.355

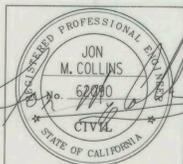
AS-BUILT PLANS FOR ROADWAY GEOMETRIC AND ABOVE GROUND FEATURES

STATE REPRESENTATIVE _____ DATE _____

PLAN SET 1 PAGE 11 OF 11

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



T-11

TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SAN YSIDRO BLVD / VIA DE SAN YSIDRO
PHASE 9

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 111 OF 117 SHEETS

APPROVED: *Ahmed Aburahmah* 03/25/2020
FOR CITY ENGINEER
AHMED ABURAHMAH
DEPUTY CITY ENGINEER

DATE STARTED _____ DATE COMPLETED _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KHA			

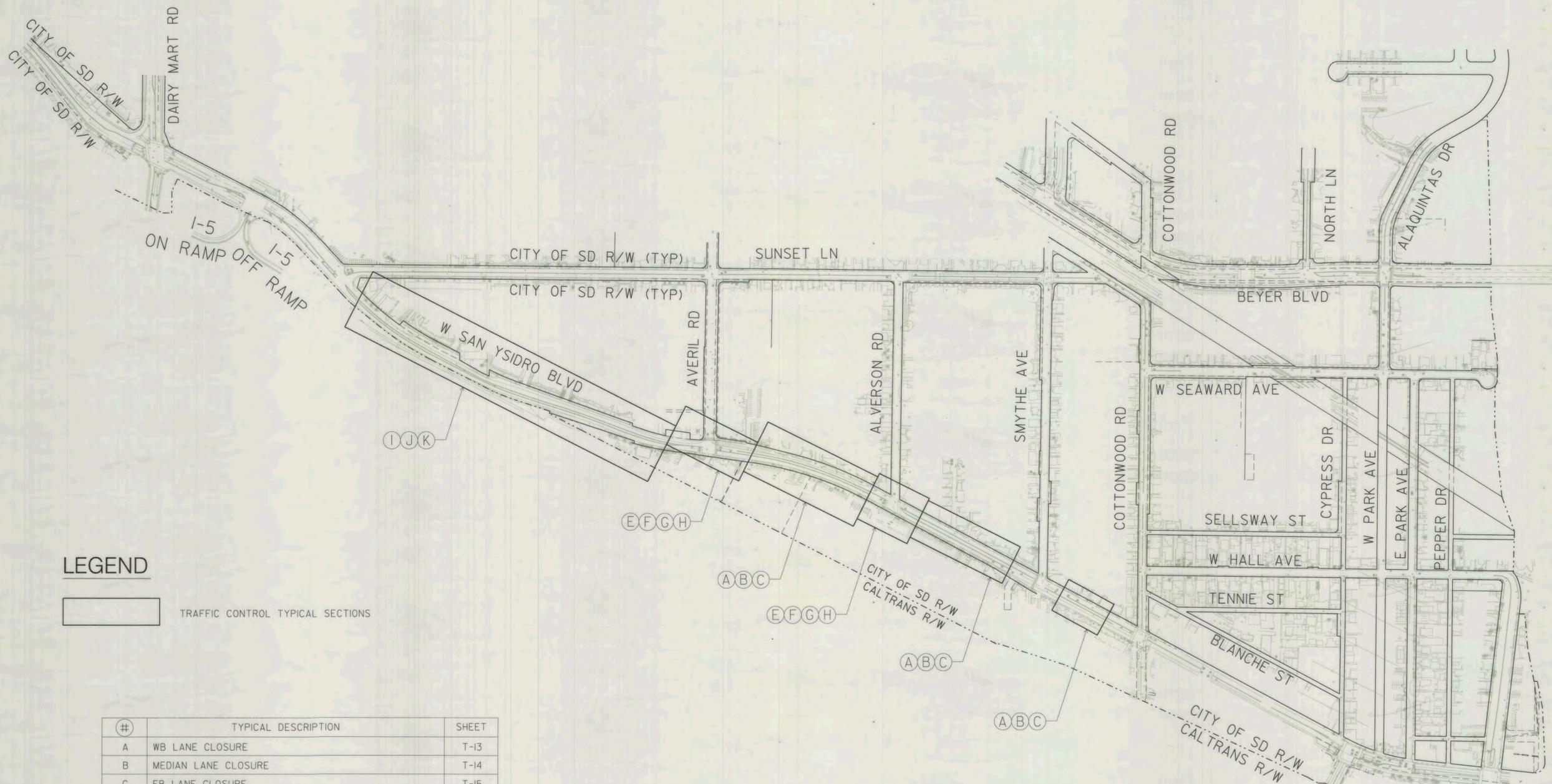
ISSUED BY: AZIN NOUR
PROJECT MANAGER

CHECKED BY: CELINA VEGA
PROJECT ENGINEER

CONTRACTOR INSPECTOR _____

CCS87 COORDINATE _____
CCS88 COORDINATE _____

40915-T11-D

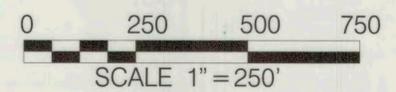


LEGEND

TRAFFIC CONTROL TYPICAL SECTIONS

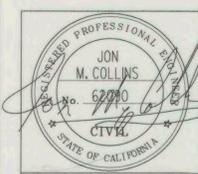
#	TYPICAL DESCRIPTION	SHEET
A	WB LANE CLOSURE	T-13
B	MEDIAN LANE CLOSURE	T-14
C	EB LANE CLOSURE	T-15
D	MINOR STREET CLOSURE	T-16
E	AT INTERSECTION EB LEFT TURN CLOSURE	T-17
F	AT INTERSECTION WB LEFT TURN CLOSURE	T-18
G	AT INTERSECTION EB THROUGH CLOSURE	T-19
H	AT INTERSECTION WB THROUGH CLOSURE	T-20
I	WB LANE CLOSURE	T-21
J	MEDIAN LANE CLOSURE	T-22
K	EB LANE CLOSURE	T-23

KEY MAP OF TYPICAL TRAFFIC CONTROL SETUPS



Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 KEY MAP-TYPICAL SETUPS

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 12 OF 23 SHEETS		B-17104 WBS B-17105
APPROVED BY: <i>Ahmed Aburahmah</i> 03/25/2020 FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		DESIGNED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	KHA	
DATE		
FILMED		
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		40915-T12-D

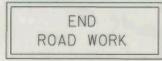
T-12

WORK HOURS
8:30 A.M TO 3:30 P.M.

CONSTRUCTION NOTES

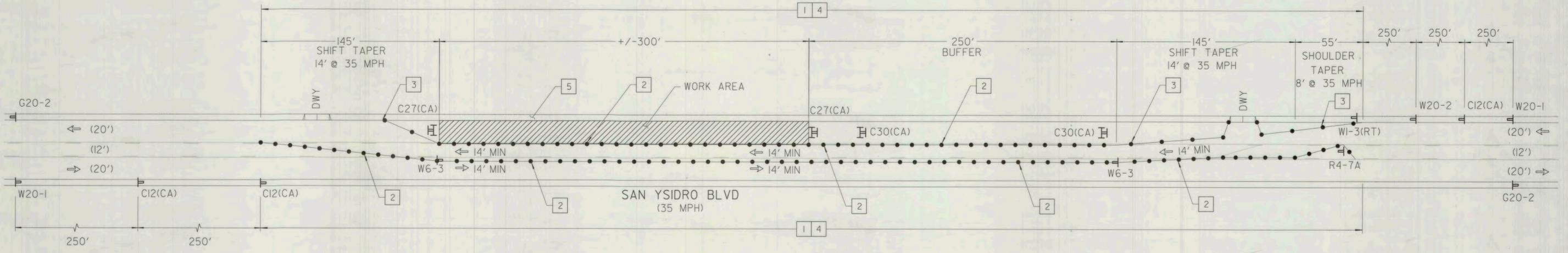
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.

SIGN LEGEND

 RIGHT LANE CLOSED AHEAD W20-5(RT)	 LANE CLOSED C30(CA)	 END ROAD WORK G20-2	 ROAD WORK AHEAD W20-1	 W6-3	 OPEN TRENCH C27(CA)
 NARROW LANE C12(CA)	 DETOUR AHEAD W20-2	 KEEP RIGHT R4-7a			

LEGEND

-  WORK AREA
-  DELINEATOR OR CONE
-  SIGN
-  TYPE III BARRICADE WITH SIGN
-  FLASHING ARROW SIGN (FAS)
-  TRAFFIC SIGNAL
-  TRAFFIC DIRECTIONAL ARROW
-  XX'
-  (XX')

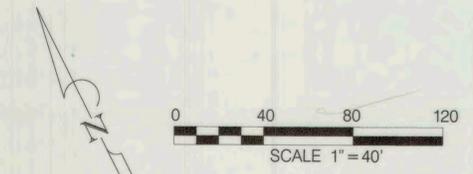


SETUP A

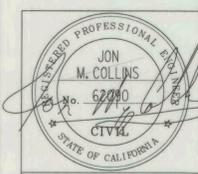
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

T-13



Kimley»Horn
401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP A TYPICAL WB LANE CLOSURE			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 113 OF 113 SHEETS		B-17104 WBS B-17105	
APPROVED BY <i>Ahmed Aburahmah</i> FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER	DATE 03/25/2020	DESIGNED BY AZIN NOUR PROJECT MANAGER CHECKED BY CELINA VEGA PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	KHA		
FILED			
CONTRACTOR			DATE STARTED
INSPECTOR			DATE COMPLETED
			40915-T13-D

WORK HOURS
8:30 A.M TO 3:30 P.M.

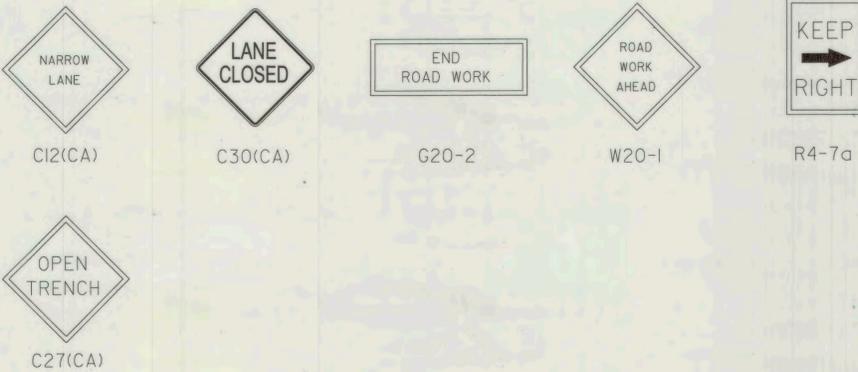
CONSTRUCTION NOTES

1. CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION, NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
2. SPACE DELINEATORS 12' ON CENTER.
3. SPACE DELINEATORS 25' ON CENTER.
4. CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
5. CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
6. SPACE DELINEATORS 50' ON CENTER.

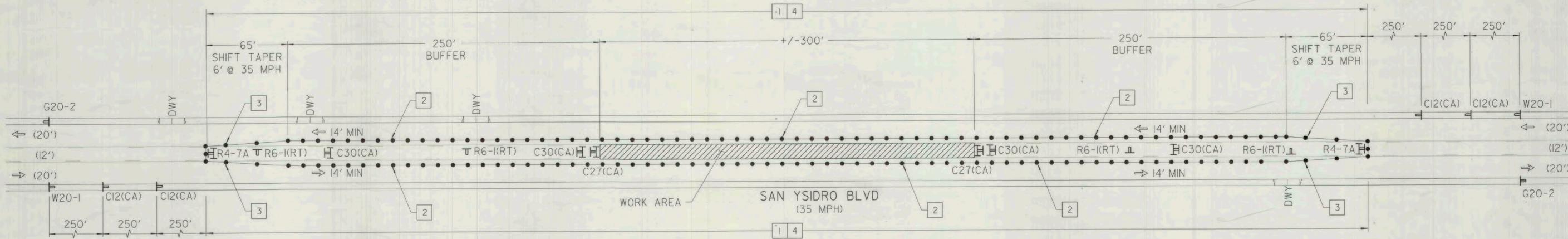
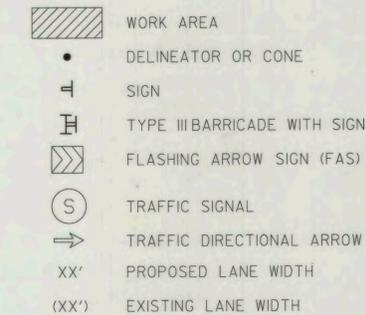
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

SIGN LEGEND

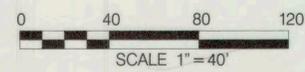


LEGEND



SETUP B

T-14



TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SETUP B TYPICAL
MEDIAN LANE CLOSURE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 114 OF 124 SHEETS

APPROVED BY: *Ahmed Aburahmah* 03/25/2020
FOR CITY ENGINEER
AHMED ABURAHMAH
DEPUTY CITY ENGINEER

REVIEWED BY: AZIN NOUR
PROJECT MANAGER
CELINA VEGA
PROJECT ENGINEER

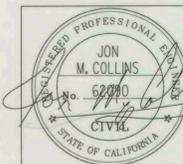
DESCRIPTION ORIGINAL BY KHA APPROVED DATE FILMED

CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED

40915-T14-D

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411

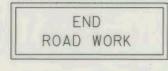


WORK HOURS
8:30 A.M TO 3:30 P.M.

CONSTRUCTION NOTES

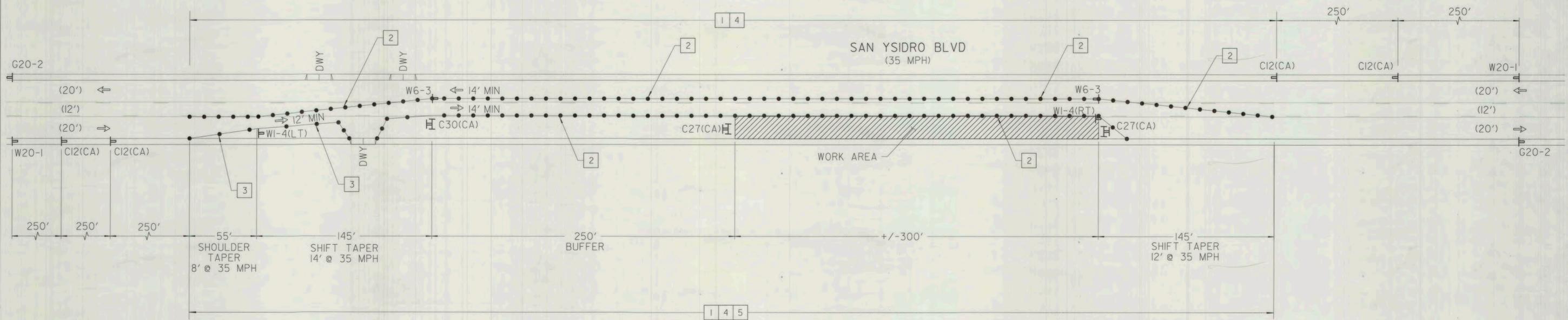
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
- 6 SPACE DELINEATORS 50' ON CENTER.

SIGN LEGEND

 C12(CA)	 C30(CA)	 G20-2	 W20-1	 R4-7a
 W1-4(LT)	 W1-4(RT)	 W6-3	 C27(CA)	 W20-2

LEGEND

-  WORK AREA
-  DELINEATOR OR CONE
-  SIGN
-  TYPE III BARRICADE WITH SIGN
-  FLASHING ARROW SIGN (FAS)
-  TRAFFIC SIGNAL
-  TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- (XX') EXISTING LANE WIDTH

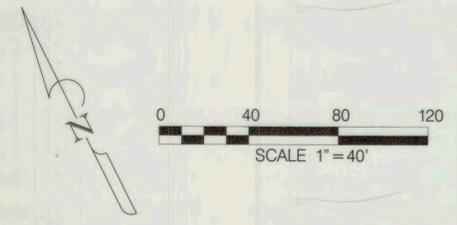


SETUP C

GENERAL NOTES

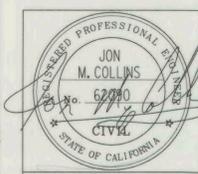
1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

T-15



Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP C TYPICAL EB LANE CLOSURE	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 115 OF 122 SHEETS	B-17104 WBS B-17105
FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER	DATE 03/25/2020 PROJECT MANAGER AZIN NOUR PROJECT ENGINEER CELINA VEGA
DESCRIPTION	BY
APPROVED	DATE
FILED	
ORIGINAL	KHA
CONTRACTOR	DATE STARTED
INSPECTOR	DATE COMPLETED
	40915-T15-D

WORK HOURS
8:30 A.M TO 3:30 P.M.

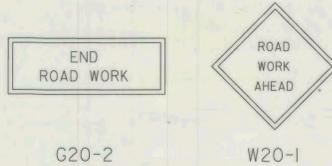
CONSTRUCTION NOTES

- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
- 6 SPACE DELINEATORS 50' ON CENTER.

GENERAL NOTES

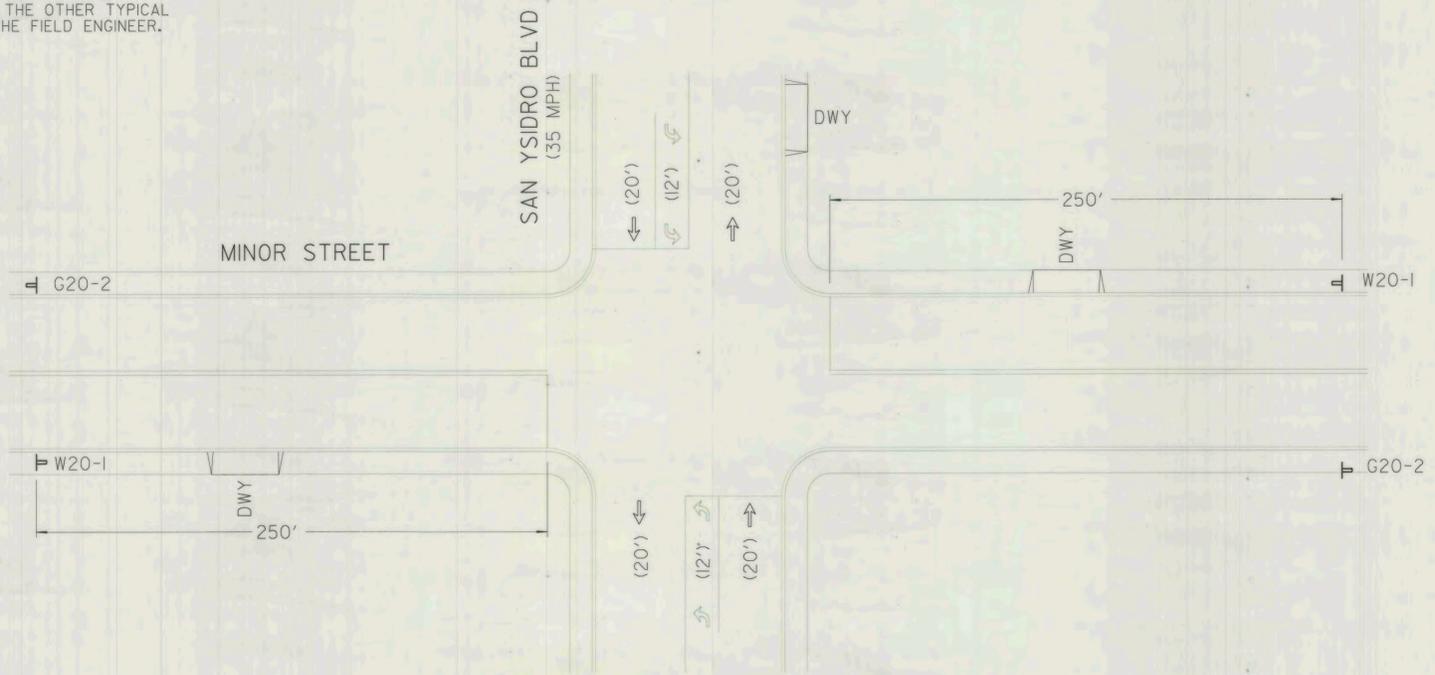
1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

SIGN LEGEND



LEGEND

- WORK AREA
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW SIGN (FAS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- (XX') EXISTING LANE WIDTH



SETUP D
TO BE USED FOR SIDE STREET APPROACHES



T-16

TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP D TYPICAL MINOR STREET CLOSURE			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 16 OF 14 SHEETS		B-17104 WBS B-17105	
APPROVED: <i>Ahmed Aburahmah</i> 03/25/2020 FOR CITY ENGINEER, AHMED ABURAHMAH DEPUTY CITY ENGINEER		PREPARED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	KHA		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		40915-T16-D	

Kimley»Horn
 401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



WORK HOURS

8:30 A.M TO 3:30 P.M.

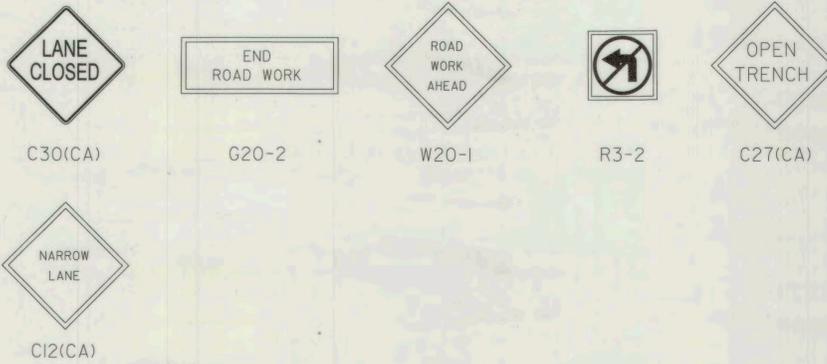
CONSTRUCTION NOTES

- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 SPACE DELINEATORS 12' ON CENTER.
- 3 SPACE DELINEATORS 25' ON CENTER.
- 4 CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- 5 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
- 6 SPACE DELINEATORS 50' ON CENTER.

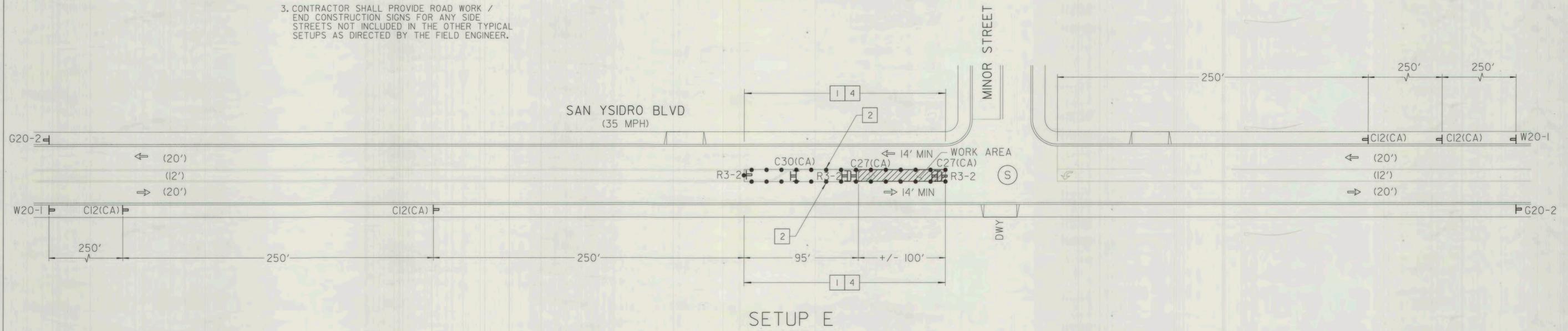
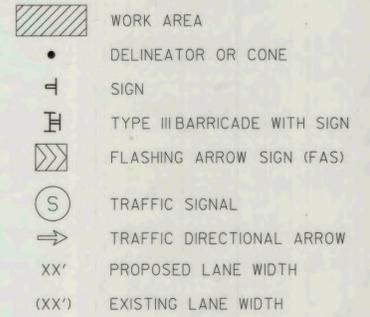
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

SIGN LEGEND

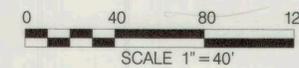


LEGEND



SETUP E

T-17

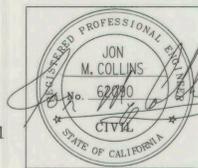


TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SETUP E TYPICAL
AT INTERSECTION EB LEFT TURN CLOSURE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 7 OF 7 SHEETS

APPROVED BY: *Ahmed Aburahmah* 03/25/2020
FOR CITY ENGINEER: AHMED ABURAHMAH
DEPUTY CITY ENGINEER

DATE: 03/25/2020
PROJECT MANAGER: AZIN NOUR
PROJECT ENGINEER: CELINA VEGA



Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KHA			
CONTRACTOR _____ DATE STARTED _____				
INSPECTOR _____ DATE COMPLETED _____				

40915-T17-D

WORK HOURS
8:30 A.M TO 3:30 P.M.

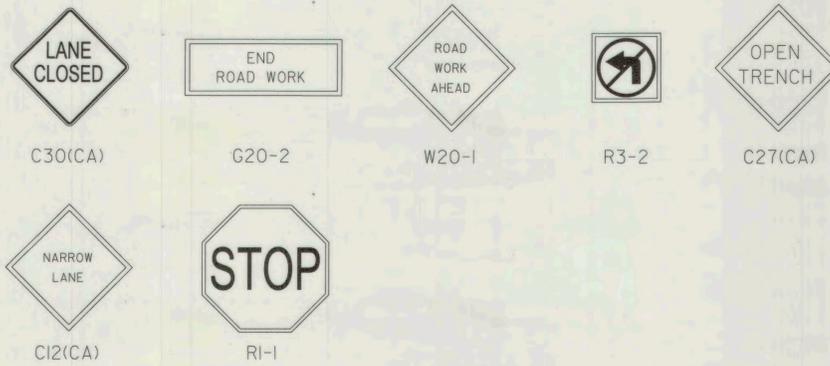
CONSTRUCTION NOTES

1. CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
2. SPACE DELINEATORS 12' ON CENTER.
3. SPACE DELINEATORS 25' ON CENTER.
4. CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
5. CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
6. SPACE DELINEATORS 50' ON CENTER.

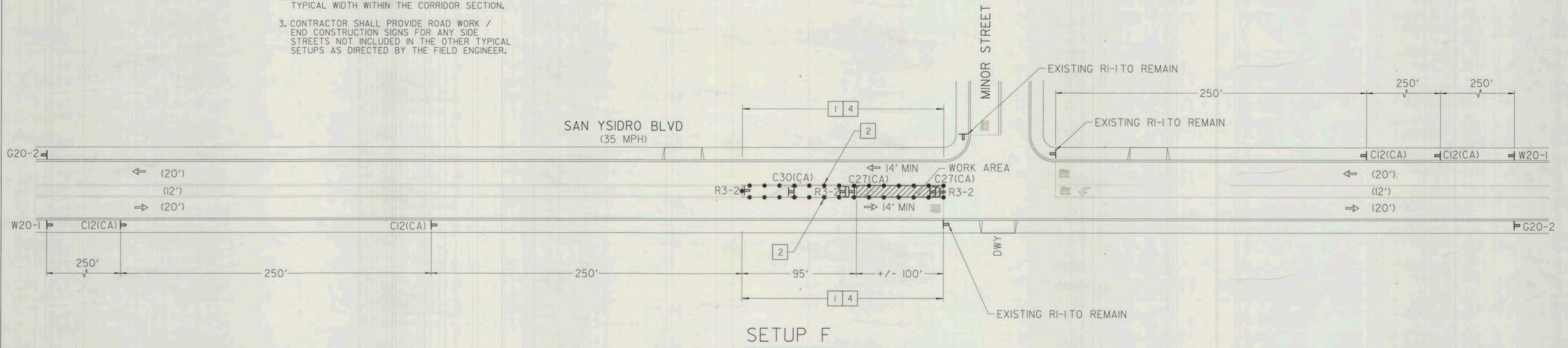
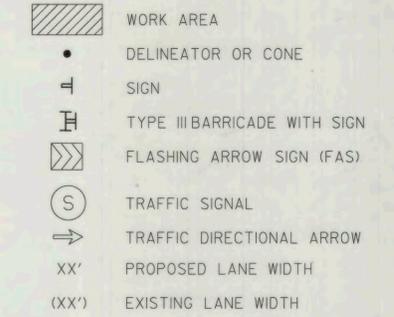
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

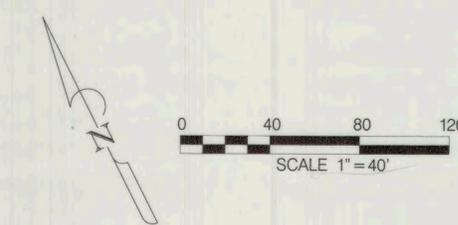
SIGN LEGEND



LEGEND

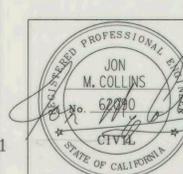


T-18



Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP F TYPICAL AT INTERSECTION EB LEFT TURN CLOSURE	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 18 OF 24 SHEETS	B-17104 WBS B-17105
APPROVED FOR CITY ENGINEER <i>Ahmed Aburahmah</i> AHMED ABURAHMAH DEPUTY CITY ENGINEER	DATE: 03/25/2020 SUPERVISOR OF PROJECT MANAGER AZHIN NOUR CHECKED BY PROJECT ENGINEER CELINA VEGA
DESCRIPTION ORIGINAL	BY KHA
APPROVED 	DATE
FILMED 	
CONTRACTOR 	DATE STARTED
INSPECTOR 	DATE COMPLETED
40915-T18-D	

WORK HOURS
8:30 A.M TO 3:30 P.M.

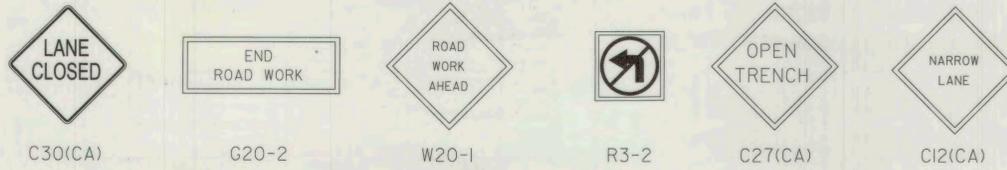
CONSTRUCTION NOTES

1. CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
2. SPACE DELINEATORS 12' ON CENTER.
3. SPACE DELINEATORS 25' ON CENTER.
4. CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
5. CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
6. SPACE DELINEATORS 50' ON CENTER.

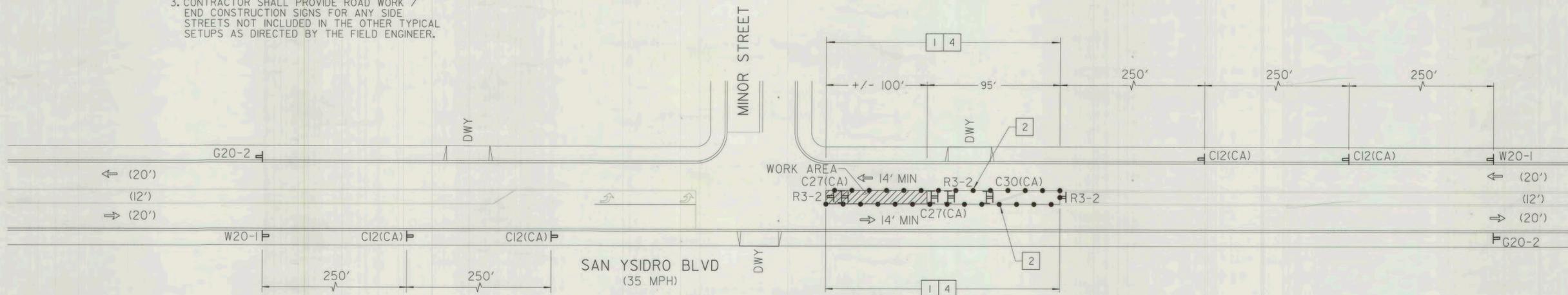
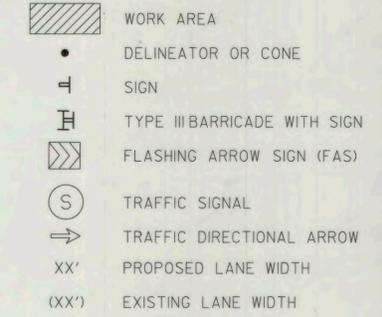
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

SIGN LEGEND

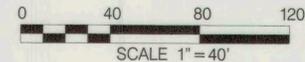


LEGEND



SETUP G

T-19



**TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SETUP G TYPICAL
AT INTERSECTION WB LEFT TURN CLOSURE**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 19 OF 24 SHEETS		B-17104 WBS B-17105	
FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		DATE 03/25/2020	
APPROVED BY JON M. COLLINS CIVIL STATE OF CALIFORNIA		PROJECT MANAGER CELINA VEGA PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	KHA		
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED
			40915-T19-D

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411

WORK HOURS
8:30 A.M TO 3:30 P.M.

GENERAL NOTES

- CONTRACTOR SHALL MAINTAIN ONE ACCESS TO EVERY PROPERTY.
- LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
- CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

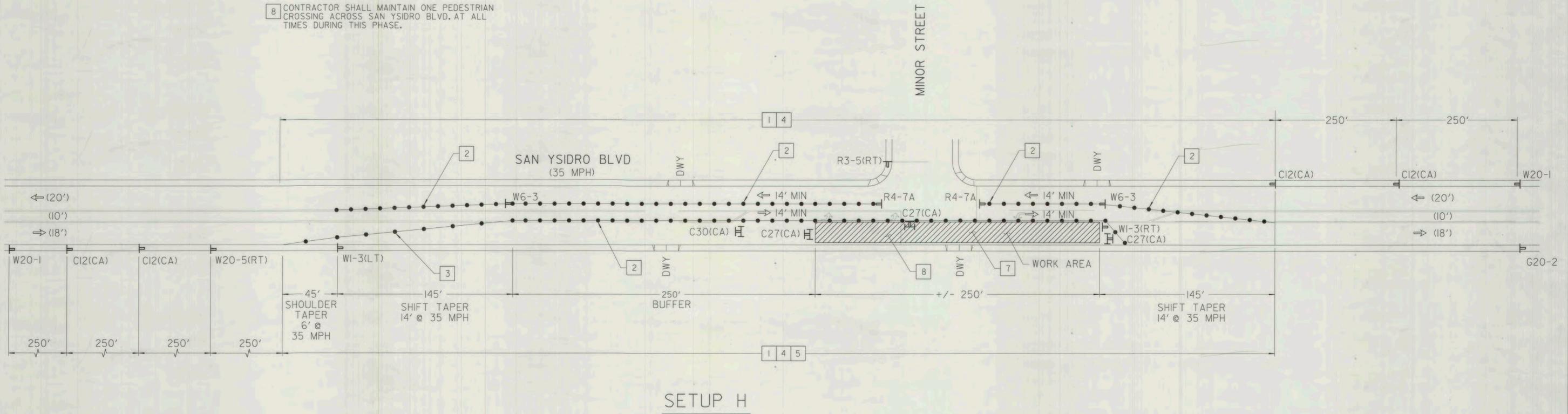
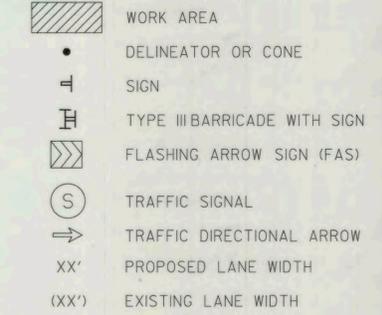
CONSTRUCTION NOTES

- CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- SPACE DELINEATORS 12' ON CENTER.
- SPACE DELINEATORS 25' ON CENTER.
- CONTRACTOR SHALL NOTIFY MTS AT LEAST ONE WEEK IN ADVANCE TO TEMPORARILY RELOCATE BUS STOP.
- CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.
- SPACE DELINEATORS 50' ON CENTER.
- CONTRACTOR TO MAINTAIN DRIVEWAY/SIDE STREET ACCESS DURING NORMAL BUSINESS HOURS.
- CONTRACTOR SHALL MAINTAIN ONE PEDESTRIAN CROSSING ACROSS SAN YSIDRO BLVD. AT ALL TIMES DURING THIS PHASE.

SIGN LEGEND

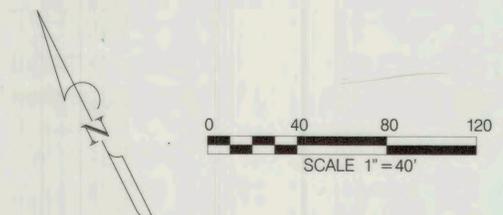


LEGEND



SETUP H

T-20



Kimley»Horn
401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP H TYPICAL AT INTERSECTION EB THROUGH CLOSURE			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 20 OF 24 SHEETS		B-17104 WBS B-17105	
APPROVED: <i>Ahmed Aburahmah</i> FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		DATE: 03/25/2020 PROJECT MANAGER: AZIN NOUR CHECKED BY: CELINA VEGA PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	KHA		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		40915-T20-D	

WORK HOURS
8:30 A.M TO 3:30 P.M.

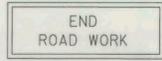
GENERAL NOTES

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2. LANE WIDTHS SHOWN ON TYPICAL REPRESENT A TYPICAL WIDTH WITHIN THE CORRIDOR SECTION.
3. CONTRACTOR SHALL PROVIDE ROAD WORK / END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

CONSTRUCTION NOTES

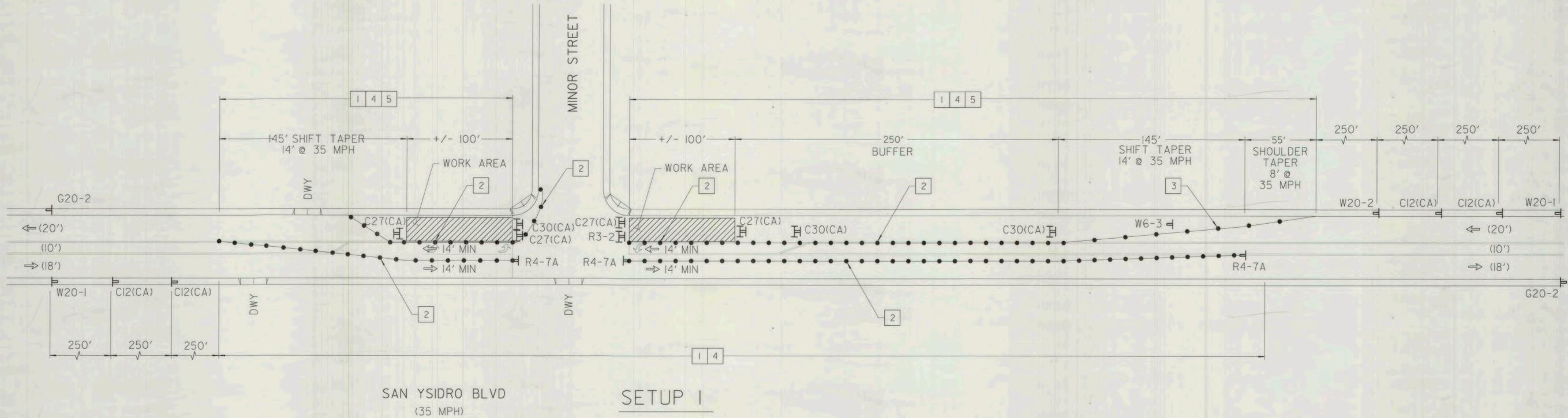
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6. SPACE DELINEATORS 50' ON CENTER.

SIGN LEGEND

					
C12(CA)	C30(CA)	G20-2	W20-5	W20-1	R3-2
					
C27(CA)	W6-3	W20-2	R4-7a		

LEGEND

-  WORK AREA
-  DELINEATOR OR CONE
-  SIGN
-  TYPE III BARRICADE WITH SIGN
-  FLASHING ARROW SIGN (FAS)
-  TRAFFIC SIGNAL
-  TRAFFIC DIRECTIONAL ARROW
-  XX'
-  (XX')



T-21

**TRAFFIC CONTROL
PLANS FOR THE CONSTRUCTION OF
SEWER AND AC WATER GROUP 1032
SETUP I TYPICAL
AT INTERSECTION WB THROUGH CLOSURE**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 21 OF 24 SHEETS		B-17104 WBS B-17105
APPROVED FOR CITY ENGINEER <i>Ahmed Aburahmah</i> AHMED ABURAHMAH DEPUTY CITY ENGINEER	DATE 03/25/2020	SUBMITTED BY AZIN NOUR PROJECT MANAGER CHECKED BY CELINA VEGA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	KHA	
DATE		
FILMED		
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		40915-T21-D

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



WORK HOURS
8:30 A.M TO 3:30 P.M.

CONSTRUCTION NOTES

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- 6 SPACE DELINEATORS 50' ON CENTER.

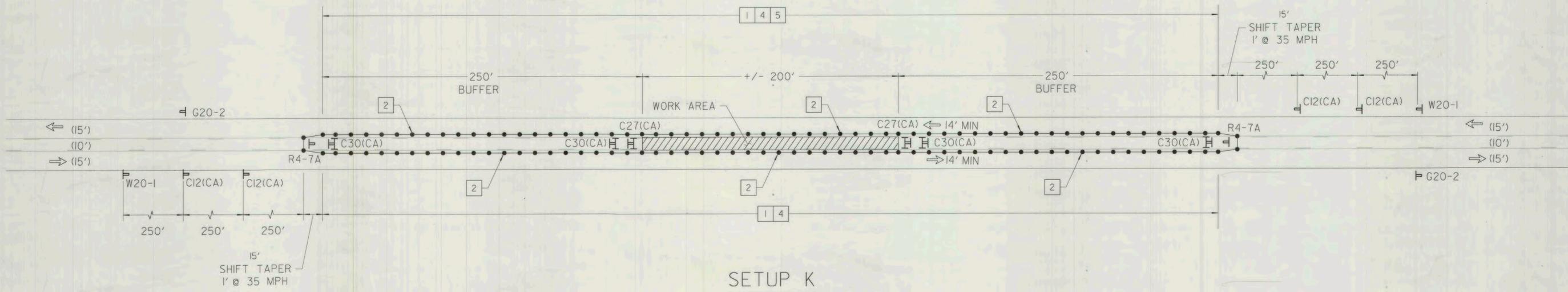
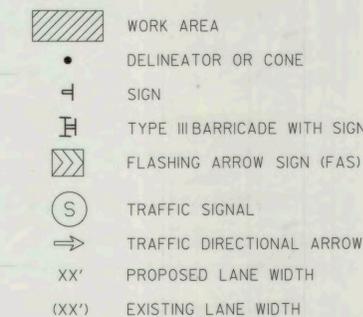
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SIGN LEGEND

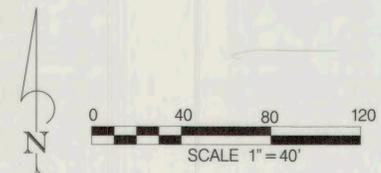


LEGEND

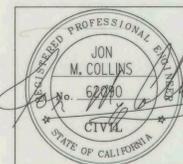


SETUP K

T-23



Kimley»Horn
 401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP K TYPICAL MEDIAN LANE CLOSURE					
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 23 OF 24 SHEETS			B-17104 WBS B-17105		
FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER			DATE: 03/25/2020 APPROVED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER		
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	KHA				
CONTRACTOR			DATE STARTED		
INSPECTOR			DATE COMPLETED		
					40915-T23-D

WORK HOURS
8:30 A.M TO 3:30 P.M.

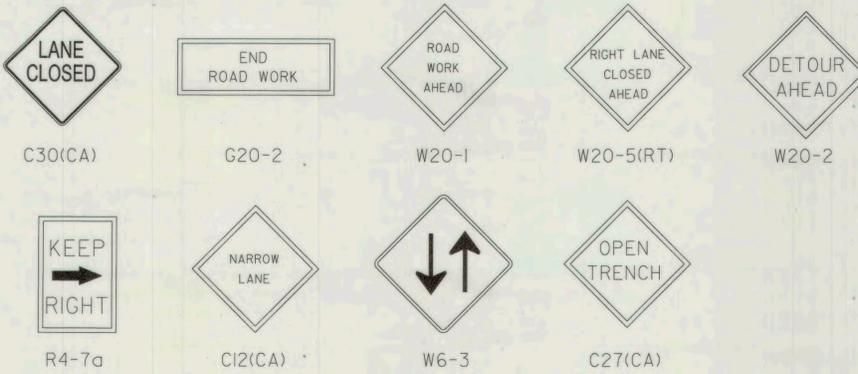
CONSTRUCTION NOTES

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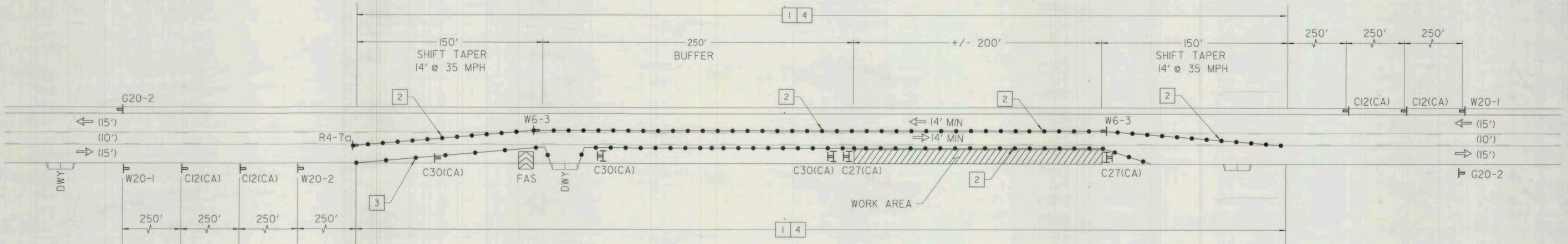
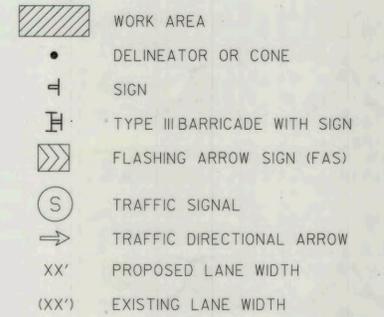
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SIGN LEGEND

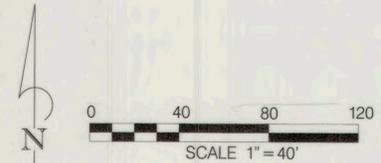


LEGEND



SETUP L

T-24



Kimley»Horn
 401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 SETUP L TYPICAL EB LANE CLOSURE				
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 17 OF 24 SHEETS			B-17104 WBS B-17105	
APPROVED BY: <i>Ahmed Aburahmah</i> FOR CITY ENGINEER: AHMED ABURAHMAH DEPUTY CITY ENGINEER			DESIGNED BY: <i>Jon M. Collins</i> PROJECT MANAGER: JON M. COLLINS CHECKED BY: CELINA VEGA PROJECT ENGINEER	
DATE	03/25/2019	DATE		
DESCRIPTION	ORIGINAL	BY	KHA	FILED
CONTRACTOR		DATE STARTED		
INSPECTOR		DATE COMPLETED		
				40915-T24-D

City of San Diego

CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM B



FOR

BID NO.: K-20-1933-DBB-3
SAP NO. (WBS/IO/CC): B-17104, B-17105
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 8
PROJECT TYPE: JA, KB

BID DUE DATE:

**2:00 PM
APRIL 10, 2020**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

04/09/2020

Date

Seal:



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. BIDDER'S QUESTIONS

Q1. Per the Bid item schedule, line item#109 & 110 call for Trenchless Sewer/Water main installation. We have located 86LF of Trenchless sewer main on sheet 5 and 70LF of trenchless water on Sheet 21. These quantities do not add up to the 200LF that is called out in each bid item. Is the contractor to assume that there are other areas that will require trenchless installations?? If so that would mean that we would have to account for two additional launch/receiving pits which results in significant price increases?

A1. There is just one location for trenchless sewer installation and one location for water. Additional linear footage has been considered to give enough allowance for the selection of trenchless method as well as the location and size of launch and receive pits.

Q2. Also regarding the trenchless work on sheets 5 & 21, there is no detail or call out for what size casing or method to install those sections with. To get all bidders on the same page, please direct the contractor as to what method of trenchless should be quoted and what casing size/spacer details we should account for?

A2. The Contractor may select and perform any method of trenchless construction in accordance with the City of San Diego standards and guidelines as well as with the consideration of geotechnical report included in the contract.

Q3. On plan sheet 70, there dimensions for the Filterra unit appear to be wrong. Is the length of this unit to be 912ft long and 120ft wide?? Please provide correct dimensions so the contractor may bid for the appropriate excavation, Crane, and backfill needed to complete this task?

A3. There is a typo. Please bid based on the table provided and the Max Footprint (15'x9') as shown on the sheet 70.

Q4. On most of the sewer and water sheets the city has provided a table in the upper right profile that quantifies the amount of Paleontological monitoring needed. We have quantified all of these areas and they total up to 9800LF

of monitoring. The bid item #8 only calls for 5,490LF. Please confirm which quantity is correct or adjust the bid item appropriately?

- A4. The limits are shown in order to cover any change in construction regarding the depth of the main. Quantity in bid item shall be used for the bid purpose which is related to the newly disturbed soil based on the current design.

Page	Plan Page	Road	LF
4	C1	W San Ysidro Bl	711.73
5	C2	W San Ysidro Bl	418.95
6	C3	Sunset Ln	300
7	C4	Sunset Ln	767.63
8	C5	W San Ysidro Bl	800
10	C7	W San Ysidro Bl / Driveway	171.7
11	C8	Smythe Av	800
12	C9	Smythe Av	253.27
13	C10	Cottonwood Rd	722.37
14	C11	Cypress Dr	800
15	C12	Cypress Dr	689.97
16	C13	Via de San Ysidro / E San Ysidro Bl / E Park Ave / Main St	800
17	C14	Main St / E Olive Dr	55.12
18	C15	Pepper Dr (SB)	800
19	C16	E Hall Av / Pepper Dr	409.79
20	C17	Sellsway St	200
22	C19	Sunset Ln	300
23	C20	Sunset Ln	800
Total LF paleo:			9800.53

- Q5. Bid item#60 is for Dewatering Hazardous Contaminated Water and Item #70 is for Dewatering Non-Hazardous Contaminated water. Both items are LS as well. Is the contractor supposed to include Dewatering pumps/piping/installation/removal in both of these items? So basically we would double up because we don't know which one will be used?? Or should we bid the Dewatering wells in bid item #70 and only a treatment system In bid item #60? We believe that Bid item #60 should be an allowance item due to the fact that no ground water analysis has been performed or provided. How is the contractor supposed to accurately bid

these items without a clear scope? Someone may bid this item for \$10K and the other for \$500K. Or should bid item #60 be eliminated because Alternate A should cover all of the hazardous waste clean up and removals?

- A5. Refer to WHITEBOOK 3-12.8.8 and bid as is.
- Q6. Bid item #60/70 reference Supplementary Special Provisions section 3-12.8.8, within the SSP they reference HAZWOPER Certificate which will be paid for by section 5-15.17 in the SSP, when you go to that section it states that there is an allowance item called "Hazardous Waste Operations & Emergency Response (HAZWOPER) Certifications". We have looked through the bid item list and cannot locate this bid item anywhere. Please indicate where the contractor should account for this cost?
- A6. HAZWOPER certificate Bid item is not anticipated to be needed. SSP update is general update.
- Q7. Please confirm that valves 16" and larger do not require bypasses?
- A7. Please bid per plans.
- Q8. Per the SSP section 7-3.5.1 discussed a bid item for "Potholing Existing Utilities not shown on plans (Depth up to 7 Feet)" We cannot locate this bid item? Please confirm if this spec applies anywhere?
- A8. Delete Section 7-3.5.1.

C. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 7 – Measurement and Payment, page 49, Subsection 7-3.5.1, General, **DELETE** in its entirety.

D. PLANS

1. Drawing Sheets Numbered **40915-01-D, 40915-52-D, and 40915-70-D, DELETE** in their entirety and **REPLACE** with pages 6 through 8 of this Addendum.

James Nagelvoort, Director

Public Works Department

Dated: *April 9, 2020*

San Diego, California

JN/RB/wf

SEWER AND AC WATER GROUP 1032

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES, (I.E., 69 KV & HIGHER).
- LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 402-UTILITIES.
- EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.
- ALL ADVANCE METERING INFRASTRUCTURE (AM) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- FOR COORDINATION OF THE SHUTDOWN OF MAINS, THE ASSIGNED INSPECTOR RESIDENT ENGINEER (RE), AND NOT THE CONTRACTOR SHOULD CONTACT THE FOLLOWING: TRANSMISSION MAINS (6 INCHES AND LARGER) - JESUS RAMOS (619) 527-7438 DISTRIBUTION MAINS (LESS THAN 6 INCHES) - FREDDY PORTER (619) 527-7539 WATER FACILITIES - TATYANA FIKHMAN (619) 619-527-7465 AND JESUS RAMOS (619) 527-7438
- ALL BURIED DIPIPE AND FITTINGS SHALL BE COATED & HOLIDAY FREE PER WHITEBOOK (2018) SECTION 209-11.2. IF USING WAX TAPE, OVERLAP EXISTING METALIC PIPING BY 12 INCHES ON EACH SIDE. IF ANY PIPE MATERIALS ARE CHANGED FROM NON-METALIC TO METALIC DURING THE CONSTRUCTION PHASE, A NEW REVIEW CYCLE BY THE CITY'S CORROSION DEPARTMENT WILL BE REQUIRED. WHEN JOINING TWO DISSIMILAR METALS (EX. DUCTILE IRON FITTING AND COPPER SERVICE LATERALS), DIELECTRIC UNION MUST BE INSTALLED BETWEEN THE TWO IN ORDER TO PREVENT GALVANIC CORROSION. WAX TAPE UP TO AND INCLUDING THE DIELECTRIC UNION.

ABBREVIATIONS

ABAND	ABANDON	EL, ELEV	ELEVATION	OVHD	OVER HEAD
ABAND'D	ABANDONED	ELEC	ELECTRIC	PVC	POLYVINYL CHLORIDE
AC	ASBESTOS CEMENT PIPE	ESMT	EASEMENT	PROP	PROPOSED
AHD	AHEAD	EX, EXIST	EXISTING	RED	REDUCER
ASSY	ASSEMBLY	E/O	EAST OF	RT	RIGHT
BFV	BUTTERFLY VALVE	F	FLANGE	S	SURVEY LINE
BK	BACK	FH	FIRE HYDRANT	SD&AE	SAN DIEGO & ARIZONA EASTERN RAILROAD
BTWN	BETWEEN	FS	FIRE SERVICE	SDTI	SAN DIEGO TROLLEY INC.
CATV	CABLE TV	GV	GATE VALVE	SO	STUB OUT
CI	CAST IRON PIPE	HDPE	HIGH-DENSITY POLYETHYLENE	S/O	SOUTH OF
C	CENTER LINE	HP	HIGH PRESSURE	SWR	SEWER
COND	CONDUIT	IE	INVERT ELEVATION	TEL	TELEPHONE
CONT	CONTINUED	LT	LEFT	UNK	UNKNOWN
CONTR	CONTRACTOR	MJ	MECHANICAL JOINT	VC	VITRIFIED CLAY PIPE
C.P. T. S.	CONCRETE PIPE	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM	WM	WATER METER
	CATHODIC PROTECTION TEST STATION	MTD	MULTIPLE TELEPHONE DUCT	WTR	WATER
	DB	N/O	NORTH OF	W/O	WEST OF
	DI				
	EB				

WORK TO BE DONE

CONSTRUCTION OF APPROXIMATELY 11,763 LF (2.23 MILES) OF POLYVINYL CHLORIDE (PVC) SEWER MAINS TO REPLACE EXISTING 6-INCH, 8-INCH, 10-INCH AND 12-INCH DIAMETER VITRIFIED CLAY (VC) SEWER MAINS, INCLUDING ASSOCIATED LATERALS, MANHOLES, CLEANOUTS AND ALL OTHER APPURTENANCES. THIS PROJECT ALSO INCLUDES REPLACEMENT OF APPROXIMATE 200 LF OF EXISTING 10-INCH PVC SEWER MAIN USING TRENCHLESS METHOD.

CONSTRUCTION OF APPROXIMATELY 16,819 LF (3.19 MILES) OF POLYVINYL CHLORIDE (PVC) WATER MAINS TO REPLACE EXISTING 4-INCH, 6-INCH, 8-INCH, 10-INCH, 12-INCH, 16-INCH AND 20-INCH ASBESTOS CEMENT (AC) WATER MAINS, INCLUDING ALL ASSOCIATED WATER SERVICES AND FIRE HYDRANTS. THIS PROJECT ALSO INCLUDES REPLACEMENT OF APPROXIMATE 200 LF OF EXISTING 12-INCH AC WATER MAIN USING TRENCHLESS METHOD AND ABANDONMENT OF TOTAL OF 5,599 LF (1.06 MILES) OF EXISTING AC WATER MAINS.

IMPROVEMENT OF CURB RAMP, RESURFACING, ETC. AND CONSTRUCTION OF STORM WATER PERMANENT BMP (BEST MANAGEMENT PRACTICE).

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) 3.13 ACRES
HYDROLOGIC UNIT / WATERSHED TIJUANA HU/TIJUANA RIVER WATERSHED
HYDROLOGIC SUBAREA NAME & NO. SAN YSIDRO/9111
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL 1 2 3
LUP: RISK TYPE 1 2 3
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

FIELD DATA

TOPOGRAPHY SOURCES: BASED ON SURVEY PERFORMED BY THE CITY OF SAN DIEGO SURVEY DEVISSION ON SEPTEMBER 07, 2017, WORK ORDER NO. WBS# B-17104, B-17105

BENCHMARK:
*SWBP ALVERSON RD AND SUNSET LN (PT# 46) ELEV. 80.938 MSL, BASED ON NVGD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

FIELD NOTES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2017 AND CONSTRAINING TO GPS 190 (PT#50), AND CHECKING GPS 1449 (PT#342), I.E. N73° 47' 19"W

DATUM:
MEAN SEA LEVEL

STREETS REQUIRING 12' TRENCH CAP:
NONE

EXISTING STRUCTURES

EX WATER MAIN & VALVES	-----○-----	EX GROUND LINE (PROFILE)	=====
EX WATER METER	-----□-----	EX TRAFFIC SIGNAL	○×TS
EX FIRE HYDRANT	○-----○	EX STREET LIGHT	+SL
EX SEWER MAIN & MANHOLES	-----○-----	GAS MAIN	-----
EX DRAINS	=====	ELEC. COND., TEL. COND., CATV	---E---T---C---
EX PAVEMENT (PROFILE)	=====	RAILROAD, TROLLEY TRACKS	=====
EX FIBER OPTICS	-----FO-----		

LEGEND

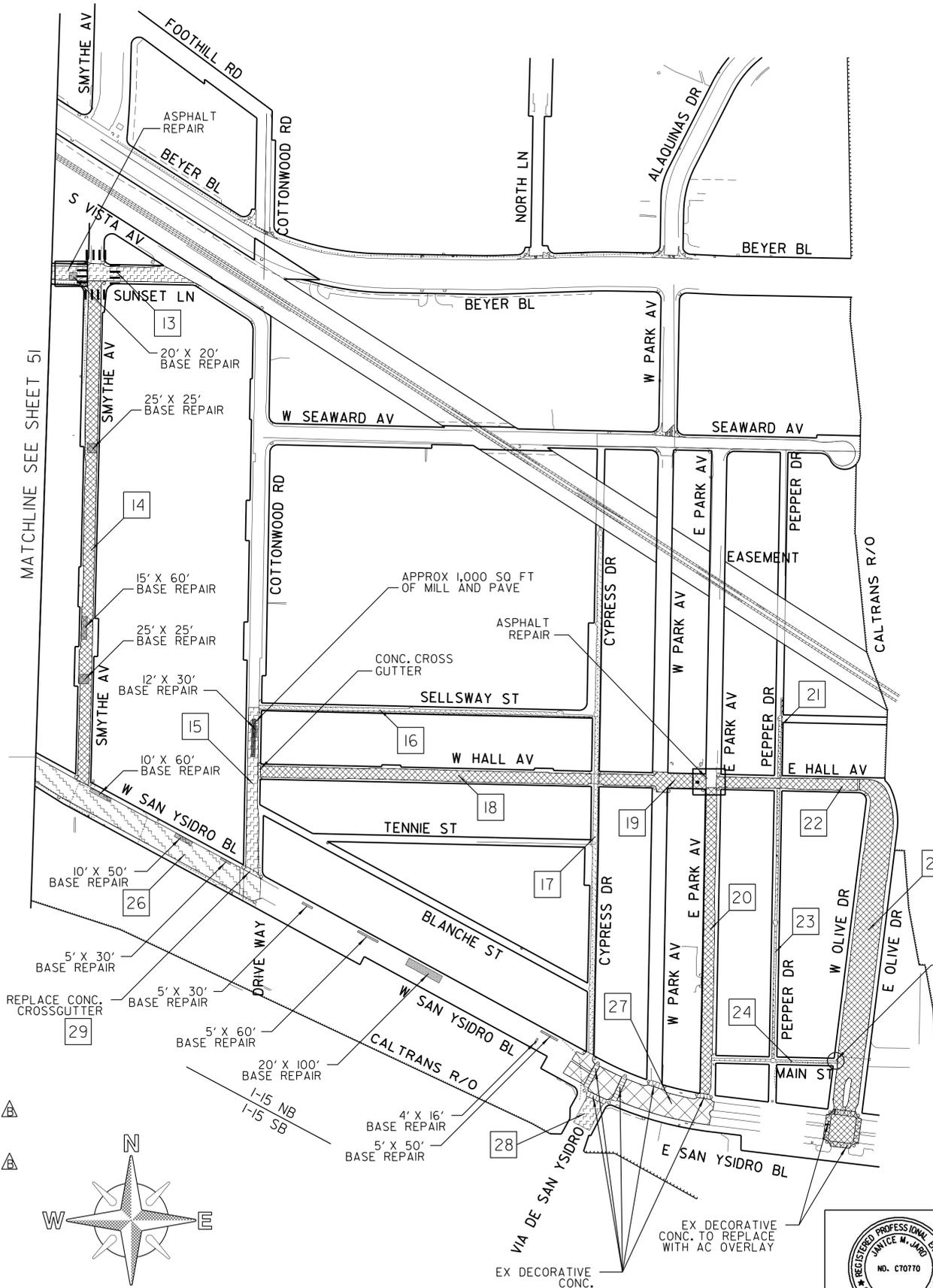
IMPROVEMENTS	REFERENCE	SYMBOL
TRENCH RESURFACING	SDG-I07, SDG-I08	-----
SEWER MAIN	SDS-I01, SDS-I10 (TYPE C)	-----○-----
SEWER MANHOLE/PVC LINED	SDS-I06, SDS-I07, SDS-I08, SDM-I13, SDS-I20, M-03A, SM-07	-----○-----
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED	SDS-I02, SDS-I03, SDS-I04, SDS-I05, SDS-I10 (TYPE C), SDS-I18	-----○----- P.L. (S)
REPLUMB SEWER LATERAL WITH C.O.	SDS-I02, SDS-I03, SDS-I04, SDS-I05, SDS-I10 (TYPE C), SDS-I18	-----○----- P.L. (R)
SEWER LATERAL CONNECTION	SEE PLANS & SPECS	-----○----- P.L. (C)
TUNNEL SEWER REPLUMB LATERAL WITH C.O.	SDS-I02, SDS-I03, SDS-I04, SDS-I05	-----○----- P.L. (T)
CONCRETE ENCASMENT	SDS-I12	-----
ABANDON EX MANHOLE	SM-08	-----○-----
SLURRY FILL ABANDONED SEWER MAIN	SEE PLANS & SPECS	-----E-----
CUTTING AND PLUGGING ABANDONED WATER MAIN	WP-03	-----E-----
SURVEY MONUMENT	M-I0C, M-I0B	△
WATER MAIN & APPURTENANCES	SDM-I05, SDW-I10, SDW-I51, SDW-I61	-----○-----
VALVES WITH CAPS AND WELLS	SDW-I09, SDW-I52, SDW-I53, WV-05	-----○-----
FIRE SERVICE CONNECTION & ASSEMBLY	SDM-I05, SDW-I09, SDW-I18, SDW-I52, SDW-I53	-----○----- P.L. (F)
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDM-I05, SDW-I04, SDW-I09, SDW-I52, SDW-I53,	-----○----- P.L. (F)
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDM-I05, SDW-I07, SDW-I34, SDW-I35, SDW-I36, SDW-I37, SDW-I38, SDW-I49, SDW-I50, WS-03	-----○----- P.L. (W)
WATER SERVICE TRANSFER	SDW-I49, SDW-I50	-----○----- P.L. (T)
BLOW-OFF ASSEMBLY	SDM-I05, SDW-I06, SDW-I43, SDW-I44, SDW-I45, SDW-I46, WB-05,	-----○----- B.O.
AIR & VACUUM VALVE	SDM-I05, SDW-I17, SDW-I58, SDW-I59, SDW-I60	-----○----- A.V.
CATHODIC PROTECTION TEST STATION	SEE PLANS	-----○----- C. P. T. S.
WATER SERVICE WITH BACKFLOW PREVENTOR	SDW-I14 SDW-I55, SDW-I56,	-----○----- WM (RP)
HIGHLINING BY CONTRACTOR	SDW-I70, SDW-I71, SDW-I72, SDW-I73, SDW-I74 IF APPLICABLE	-----
FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.		

G-01

PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 COVER SHEET

CONSTRUCTION CHANGE / ADDENDUM		WARNING		 The City of San Diego Public Utilities	AS-BUILT INFORMATION			SPEC. NO. 1933 CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 01 OF 70 SHEETS APPROVED: <i>[Signature]</i> 03/03/2020 FOR CITY ENGINEER: JANICE JARO DATE: C70770 PRINT DCE NAME: RICE# SUBMITTED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER DESCRIPTION: ORIGINAL BY: APPROVED: DATE: FILED: 3/3/20 DATE STARTED: DATE COMPLETED:	WATER WBS B-17105 SEWER WBS B-17104 40915-01-D ADDENDUM B
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.		MATERIALS	MANUFACTURER			
B	4/8/20	52,70		PIPE CL 235 (WATER)	-				
				PIPE SDR 35 (SEWER)	-				
				GATE VALVES	-				
				FIRE HYDRANTS	-				
				SEWER MANHOLES	-				
				REHABILITATE SEWER MANHOLES	-				
				REHABILITATE SEWER MAIN	-				

PAVING SCHEDULE NOTES							
NO.	LOCATION	STREET SEGMENT ID	OVERALL CONDITION INDEX (OCI)	RESTORATION REQUIRED	LENGTH (FT)	WIDTH (FT)	APPROX. AREA (SF)
13	SUNSET LN BETWEEN E/O SMYTHE AV & SOUTH VISTA AV	SS-025928	51.98	SLURRY SEAL TYPE I OVER TYPE II	442	38 (VARIES)	16,796
14	SMYTHE AV BETWEEN W SAN YSIDRO BL & SUNSET LN	SS-025119	46.55	FULL WIDTH COLD MILLING (2 INCH) AND AC OVERLAY (2 INCH)	1,316	30 (VARIES)	39,480
15	COTTONWOOD RD BETWEEN W SAN YSIDRO BL & BLANCHE ST BETWEEN W BLANCHE ST & W HALL AV BETWEEN W W HALL AV & SELLSWAY ST	SS-008079 SS-008078 SS-008077	87.4 67.35 79.05	SLURRY SEAL TYPE I OVER TYPE II	508	32 (VARIES)	16,256
16	SELLSWAY ST BETWEEN COTTONWOOD RD & CYPRESS DR	SS-24727	98.25	PCC	870	20	17,400
17	CYPRESS DR BETWEEN SAN YSIDRO BL & BLANCH ST BETWEEN BLANCH ST & TENNIE ST BETWEEN TENNIE ST & W HALL AV BETWEEN W HALL AV & SELLSWAY ST BETWEEN SELLSWAY ST & SD&AE	SS-008537 SS-008538 SS-008539 SS-008540 SS-008541	98 100 75.76 94.67 92	6" PCC	1,384	20	27,680
18	W HALL AV BETWEEN COTTONWOOD RD & CYPRESS DR	SS-029830	62	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	868	30 (VARIES)	26,040
19	W HALL AV BETWEEN CYPRESS DR & E PARK AV	SS-029831	79.73	FULL WIDTH COLD MILLING (2 INCH) AND AC OVERLAY (2 INCH)	281	35 (VARIES)	9,835
20	E PARK AV BETWEEN E HALL AV & MAIN ST BETWEEN MAIN ST & E SAN YSIDRO BL	SS-009784 SS-009785	57.99 49	FULL WIDTH COLD MILLING (2 INCH) AND AC OVERLAY (2 INCH)	803	28 (VARIES)	22,500
21	PEPPER DR BETWEEN W HALL AV & S/O SD&AE	SS-021634	N/A	TRENCH CAP	207	20	4,150
22	E HALL AV BETWEEN E PARK AV & PEPPER DR BETWEEN E PEPPER DR & W OLIVE DR	SS-012929 SS-012930	78.64 96	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	538	28 (VARIES)	10,500
23	PEPPER DR BETWEEN MAIN ST & E HALL AV	SS-021635	56.51	TRENCH CAP	709	20	14,180
24	MAIN ST BETWEEN E PARK AV & PEPPER DR BETWEEN PEPPER DR & W OLIVE DR	SS-017236 SS-017237	61.1 71.65	9 1/2" PCC OR 6 1/2" PCC	328	20	6,560
25	W OLIVE DR / E OLIVE DR BETWEEN HALL AV & MAIN ST BETWEEN MAIN ST & SAN YSIDRO BL	SS-028503 SS-028504	68 59.9	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	825	70 (VARIES)	57,750
26	W SAN YSIDRO BL BETWEEN W/O SMYTHE AV & COTTONWOOD RD	SS-030018	84.66	SLURRY SEAL TYPE II OVER TYPE III	610	60 (VARIES)	36,600
27	E SAN YSIDRO BL BETWEEN CYPRESS DR & VIA DE SAN YSIDRO BETWEEN VIA DE SAN YSIDRO & W PARK AV BETWEEN E PARK AV & W PARK AV	SS-030014 SS-030015 SS-029268	89.2 39.29 60.15	FULL WIDTH COLD MILLING AND AC OVERLAY (3 INCH)	397	60 (VARIES)	22,026
28	VIA DE SAN YSIDRO BETWEEN I-15 N/B & W SAN YSIDRO BL	SS-027689	N/A	SLURRY SEAL TYPE I OVER TYPE II	77	46	3,542
29	COTTONWOOD RD CORNER OF COTTONWOOD RD & SAN YSIDRO BL	N/A	N/A	N/A	41 (VARIES)	9 (VARIES)	393
TOTAL AREA OF SLURRY SEAL TYPE I OVER TYPE II							140,089 SF
TOTAL AREA OF SLURRY SEAL TYPE II OVER TYPE III							141,042 SF
TOTAL AREA OFF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)							186,920 SF
TOTAL AREA OFF FULL WIDTH COLD MILLING AND AC OVERLAY (3 INCH)							152,447 SF
TOTAL AREA OF STREETS WITH TRENCH CAP							18,957 SF
FULL WIDTH COLD MILLING AND AC OVERLAY (2.75 INCH)							5,016 SF
CONCRETE PAVEMENT							51,640 SF
CONCRETE CROSSGUTTER							393 SF

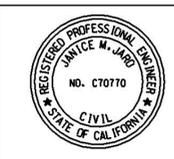


LEGEND

- APPROX. LIMITS OF FULL WIDTH COLD MILLING (2 INCH) AND AC OVERLAY (2 INCH)
- APPROX. LIMITS OF FULL WIDTH COLD MILLING AND AC OVERLAY (3 INCH)
- APPROX. LIMITS OF SLURRY SEAL TYPE I OVER TYPE II
- APPROX. LIMITS OF SLURRY SEAL TYPE II OVER TYPE III
- CONCRETE
- CONCRETE CROSSGUTTER
- LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
- BASE REPAIR
- MILL AND PAVE
- APPROX. LOCATION OF CONTINENTAL CROSSWALK

**SEWER AND AC WATER GROUP 1032
STREET RESURFACING PLAN 2**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 52 OF 70 SHEETS		WATER WBS B-17105 SEWER WBS B-17104
APPROVED FOR CITY ENGINEER JANICE JARO PRINT DATE NAME	DATE 03/03/2020 C70770 RCE#	PROJECT MANAGER AZIN NOUR PROJECT ENGINEER CELINA VEGA
DESCRIPTION	BY	APPROVED
ORIGINAL	CV/EH	3/3/20
ADDENDUM B	CV/CV	4/8/20
DATE STARTED	DATE COMPLETED	
		40915-52-D



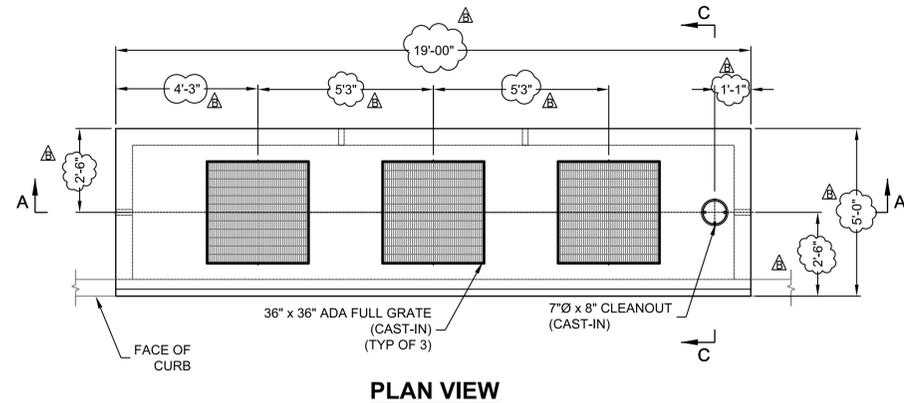
The design and information shown on this drawing is the property of CONTECH ENGINEERED SOLUTIONS LLC and is to be used only for the project and location specified herein. No part of this drawing, nor any part thereof, may be used, copied, reproduced, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of CONTECH. Failure to comply with the above conditions shall constitute an acknowledgment of the user's own risk and CONTECH expressly disclaims any liability or responsibility for such use. If discrepancies between the supplied information upon which the drawing is based and actual field conditions are noted, the user shall be responsible for immediately reporting such discrepancies to CONTECH. CONTECH shall not be responsible for the design, construction, or performance of the project or for any information supplied by others.

MARK	DATE	REVISION DESCRIPTION	BY

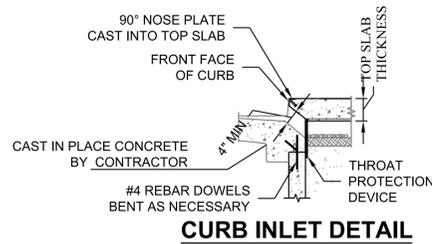
FILTERRA 18 x 4 - 638776-10
 IMPROVEMENTS FOR
 COTTONWOOD DRIVE
 SAN YSIDRO, CA
 for SYSTEM: W SAN YSIDRO BLVD &
 ALVERSON RD

CONTECH
 ENGINEERED SOLUTIONS LLC
 www.conteches.com
 9025 Camino Pointe Dr., Suite 400, West Chester, OH 45069
 600-3384-1122 513-645-7000 513-645-7063 FAX
filterra
 THE FOLLOWING IS A PATENTED, REGISTERED TRADEMARK OF CONTECH ENGINEERED SOLUTIONS LLC.

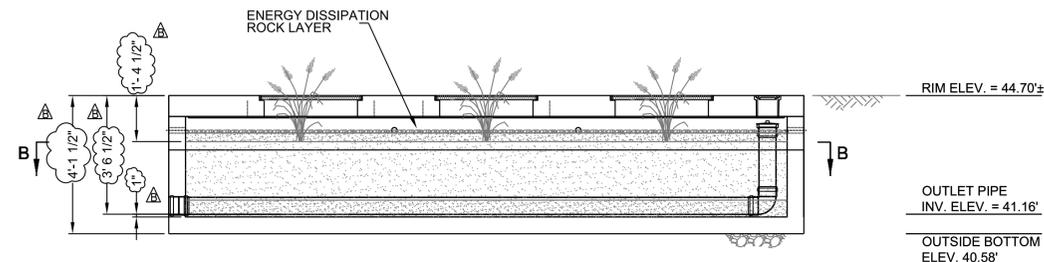
DATE:	3/27/20		
DESIGNED:	RWR	DRAWN:	RWR
CHECKED:		APPROVED:	
PROJECT No.:	638776	SEQUENCE No.:	10
SHEET:	1 OF 1		



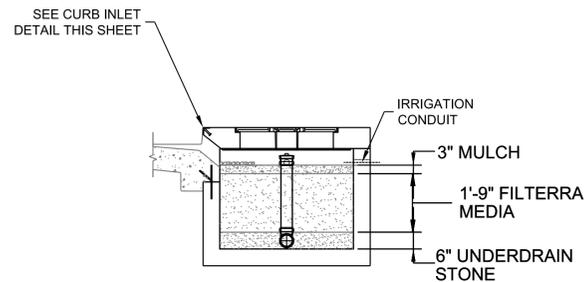
PLAN VIEW



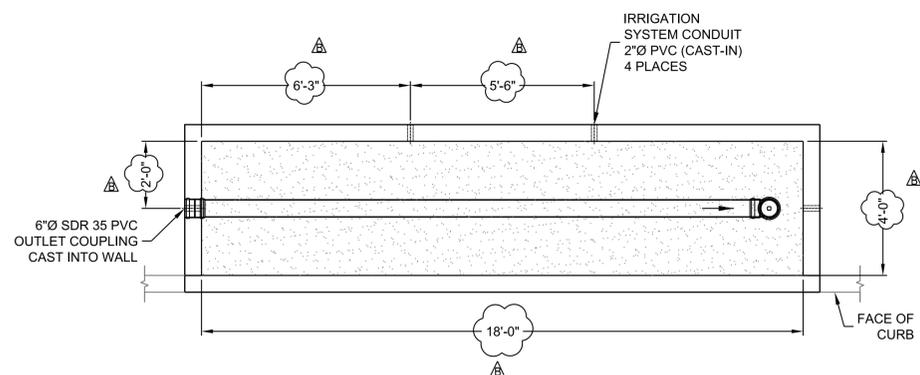
CURB INLET DETAIL



SECTION A-A



SECTION C-C



SECTION B-B

MATERIALS LIST

COUNT	DESCRIPTION	INSTALLED BY
3	PLANT. SEE INSTALLATION NOTE G	CONTECH
0.67 CY	MULCH. SEE INSTALLATION NOTE G	CONTECH
1	ENERGY DISSIPATION ROCK LAYER	CONTECH
4.67 CY	FILTERRA MEDIA	CONTECH
1.33 CY	1/2\"/>	

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.CotechES.com
- FILTERRA WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING
- STRUCTURE SHALL MEET PEDESTRIAN LIVE LOAD WITH HS-5 WHEEL LOAD MOUNTING THE CURB AND ADJACENT HS-20 LIVE LOAD SURCHARGE ON THE WALLS OF THE STRUCTURE, ASSUMING EARTH COVER OF 0' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO
- FILTERRA STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-857, ASTM C-918 AND ACI-318 LOAD FACTOR DESIGN METHOD
- MEDIA INFILTRATION RATE 175 IN/HR

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE FILTERRA STRUCTURE. SPREADER BAR WITH SUFFICIENT CABLE IS REQUIRED FOR SAFETY AND REDUCTION OF DAMAGE TO CONCRETE STRUCTURE
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE
- CONTRACTOR TO PROVIDE AND INSTALL OUTLET PIPE. PVC COUPLING IS CAST-IN TO STRUCTURE WALL FOR OUTLET CONNECTION
- CONTRACTOR TO SUPPLY AND INSTALL INLET PROTECTION BAR IF REQUIRED BY LOCAL JURISDICTION
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT FILTERRA MEDIA BAY FROM CONSTRUCTION-RELATED EROSION RUNOFF
- CONTECH IS RESPONSIBLE FOR ACTIVATION OF THE SYSTEM WHICH INCLUDES PLANTING OF THE SPECIFIED PLANT, MULCH INSTALLATION, AND PLACING OF DISSIPATION ROCK. ACTIVATION ONLY OCCURS WHEN THE SITE IS FULLY STABILIZED WITH FINAL PAVEMENT INSTALLED AND SWEEP CLEAN OF CONSTRUCTION SEDIMENT
- CONTACT CONTECH MAINTENANCE AND FIELD OPERATIONS AT 513-645-7770 TO SCHEDULE ACTIVATION
- IT IS RECOMMENDED THAT FILTERRA UNITS BE WATERED BY IRRIGATION LINES OR SPRINKLER SYSTEMS ON A REGULAR BASIS. FILTERRA UNITS MAY BE EQUIPPED WITH IRRIGATION HOLES FOR NEW OR EXISTING IRRIGATION LINES UPON REQUEST

STRUCTURE WEIGHT
 APPROXIMATE HEAVIEST PICK = 33500 LBS.
 STRUCTURE IS DELIVERED IN 2 PIECES

MAX FOOTPRINT = 5' x 19'

C-67

SEWER AND AC WATER GROUP 1032
FILTERRA
BMP FOR PDP EXEMPT PROJECT

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 70 OF 70 SHEETS



APPROVED:	03/03/2020		DATE	03/03/2020	DATE	03/03/2020	DATE	03/03/2020	DATE	03/03/2020
FOR CITY ENGINEER:	JANICE JARO		DATE	C70770	DATE	C70770	DATE	C70770	DATE	C70770
PRINT DSE NAME	JANICE M. JARO		RCE#	C70770	RCE#	C70770	RCE#	C70770	RCE#	C70770
DESCRIPTION	BY	APPROVED	DATE	FILMED	DESCRIPTION	BY	APPROVED	DATE	FILMED	DESCRIPTION
ORIGINAL	AN/CV	[Signature]	3/3/20		SEE SHEETS					SEE SHEETS
ADDENDUM B	CV/CV	[Signature]	4/8/20		CCS27 COORDINATE					SEE SHEETS
					CCS83 COORDINATE					

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

40915-70-D

City of San Diego

CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM C



FOR

BID NO.: K-20-1933-DBB-3
SAP NO. (WBS/IO/CC): B-17104, B-17105
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 8
PROJECT TYPE: JA, KB

BID DUE DATE:

**2:00 PM
APRIL 21, 2020**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

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.**

James Nagelvoort, Director
Public Works Department

Dated: *April 10, 2020*
San Diego, California

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM D



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00 PM
MAY 19, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

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.**

James Nagelvoort, Director
Public Works Department

Dated: *April 17, 2020*
San Diego, California

JN/RB/wf

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM E



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00 PM
MAY 19, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

04/30/2020

Date

Seal:



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. NOTICE INVITING BIDS

1. To Item 3, Estimated Construction Cost, page 6, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$13,640,000**.

C. ADDITIONAL CHANGES

1. The following are additional changes to the Line Items in the PlanetBids Tab:
For clarity where applicable, **ADDITIONS**, if any, have been **Underlined** and **DELETIONS**, if any, have been **Stricken-out**.

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	237310	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles	EA	17 <u>19</u>	303-5.10.2
Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	EA	5 <u>6</u>	303-5.10.2

D. PLANS

1. Drawing Sheets Numbered 40915-01-D, 40915-54-D, through 40915-57-D, 40915-59-D through 40915-62-D, 40915-65, and 40915-66-D **DELETE** in their entirety and **REPLACE** with pages 4 through 14 of this Addendum.

James Nagelvoort, Director
Public Works Department

Dated: *May 5, 2020*
San Diego, California

JN/RB/wf

SEWER AND AC WATER GROUP 1032

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES, (I.E., 69 KV & HIGHER).
- LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 402-UTILITIES.
- EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.
- ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- FOR COORDINATION OF THE SHUTDOWN OF MAINS, THE ASSIGNED INSPECTOR RESIDENT ENGINEER (IRE), AND NOT THE CONTRACTOR SHOULD CONTACT THE FOLLOWING:
TRANSMISSION MAINS (16 INCHES AND LARGER) - JESUS RAMOS (619) 527-7438
DISTRIBUTION MAINS (LESS THAN 16 INCHES) - FREDDY PORTER (619) 527-7539
WATER FACILITIES - TATYANA FIKHMAN (619) 619-527-7465 AND JESUS RAMOS (619) 527-7438
- ALL BURIED DIPIPE AND FITTINGS SHALL BE COATED & HOLIDAY FREE PER WHITEBOOK (2018) SECTION 209-11.2. IF USING WAX TAPE, OVERLAP EXISTING METALIC PIPING BY 12 INCHES ON EACH SIDE. IF ANY PIPE MATERIALS ARE CHANGED FROM NON-METALIC TO METALIC DURING THE CONSTRUCTION PHASE, A NEW REVIEW CYCLE BY THE CITY'S CORROSION DEPARTMENT WILL BE REQUIRED. WHEN JOINING TWO DISSIMILAR METALS (EX. DUCTILE IRON FITTING AND COPPER SERVICE LATERALS), DIELECTRIC UNION MUST BE INSTALLED BETWEEN THE TWO IN ORDER TO PREVENT GALVANIC CORROSION. WAX TAPE UP TO AND INCLUDING THE DIELECTRIC UNION.

ABBREVIATIONS

ABAND	ABANDON	EL, ELEV	ELEVATION	OVHD	OVER HEAD
ABAND'D	ABANDONED	ELEC	ELECTRIC	PVC	POLYVINYL CHLORIDE
AC	ASBESTOS CEMENT PIPE	ESMT	EASEMENT	PROP	PROPOSED
AHD	AHEAD	EX, EXIST	EXISTING	RED	REDUCER
ASSY	ASSEMBLY	E/O	EAST OF	RT	RIGHT
BFV	BUTTERFLY VALVE	F	FLANGE	S	SURVEY LINE
BK	BACK	FH	FIRE HYDRANT	SD&AE	SAN DIEGO & ARIZONA EASTERN RAILROAD
BTWN	BETWEEN	FS	FIRE SERVICE	SDTI	SAN DIEGO TROLLEY INC.
CATV	CABLE TV	GV	GATE VALVE	SO	STUB OUT
CI	CAST IRON PIPE	HDPE	HIGH-DENSITY POLYETHYLENE	S/O	SOUTH OF
C	CENTER LINE	HP	HIGH PRESSURE	SWR	SEWER
COND	CONDUIT	IE	INVERT ELEVATION	TEL	TELEPHONE
CONT	CONTINUED	LT	LEFT	UNK	UNKNOWN
CONTR	CONTRACTOR	MJ	MECHANICAL JOINT	VC	VITRIFIED CLAY PIPE
CP	CONCRETE PIPE	MTS	SAN DIEGO METROPOLITAN	WM	WATER METER
C. P. T. S.	CATHODIC PROTECTION TEST STATION	MTD	MULTIPLE TELEPHONE DUCT	WTR	WATER
DB	DIRECT BURIED	N/O	NORTH OF	W/O	WEST OF
DI	DUCTILE IRON				
EB	ENCASED BURIED				

WORK TO BE DONE

CONSTRUCTION OF APPROXIMATELY 11,763 LF (2.23 MILES) OF POLYVINYL CHLORIDE (PVC) SEWER MAINS TO REPLACE EXISTING 6-INCH, 8-INCH, 10-INCH AND 12-INCH DIAMETER VITRIFIED CLAY (VC) SEWER MAINS, INCLUDING ASSOCIATED LATERALS, MANHOLES, CLEANOUTS AND ALL OTHER APPURTENANCES. THIS PROJECT ALSO INCLUDES REPLACEMENT OF APPROXIMATE 200 LF OF EXISTING 10-INCH PVC SEWER MAIN USING TRENCHLESS METHOD.

CONSTRUCTION OF APPROXIMATELY 16,819 LF (3.19 MILES) OF POLYVINYL CHLORIDE (PVC) WATER MAINS TO REPLACE EXISTING 4-INCH, 6-INCH, 8-INCH, 10-INCH, 12-INCH, 16-INCH AND 20-INCH ASBESTOS CEMENT (AC) WATER MAINS, INCLUDING ALL ASSOCIATED WATER SERVICES AND FIRE HYDRANTS. THIS PROJECT ALSO INCLUDES REPLACEMENT OF APPROXIMATELY 200 LF OF EXISTING 12-INCH AC WATER MAIN USING TRENCHLESS METHOD AND ABANDONMENT OF TOTAL OF 5,599 LF (1.06 MILES) OF EXISTING AC WATER MAINS.

IMPROVEMENT OF CURB RAMP, RESURFACING, ETC. AND CONSTRUCTION OF STORM WATER PERMANENT BMP (BEST MANAGEMENT PRACTICE).

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) 3.13 ACRES
HYDROLOGIC UNIT/ WATERSHED TIJUANA HU/TIJUANA RIVER WATERSHED
HYDROLOGIC SUBAREA NAME & NO. SAN YSIDRO/9H11
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL 2 3
LUP: RISK TYPE 2 3
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

FIELD DATA

TOPOGRAPHY SOURCES: BASED ON SURVEY PERFORMED BY THE CITY OF SAN DIEGO SUVEYING DEVISSION ON SEPTEMBER 07, 2017, WORK ORDER NO. WBS* B-17104, B-17105

BENCHMARK:
SWBP ALVERSON RD AND SUNSET LN (PT 46) ELEV. 80.938 MSL, BASED ON NVGD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

FIELD NOTES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2017 AND CONSTRAINING TO GPS 190 (PT*50), AND CHECKING GPS 1449 (PT*342), I.E. N73° 47' 19" W

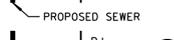
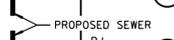
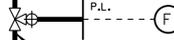
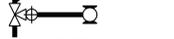
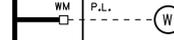
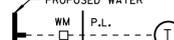
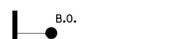
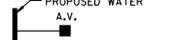
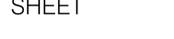
DATUM:
MEAN SEA LEVEL

STREETS REQUIRING 12" TRENCH CAP:
NONE

EXISTING STRUCTURES

EX WATER MAIN & VALVES	-----⊙-----	EX GROUND LINE (PROFILE)	
EX WATER METER	-----□-----	EX TRAFFIC SIGNAL	⊙RTS
EX FIRE HYDRANT	⊙-⊙	EX STREET LIGHT	+ SL
EX SEWER MAIN & MANHOLES	-----□-----	GAS MAIN	-----□-----
EX DRAINS	=====	ELEC. COND., TEL. COND., CATV	---E---T---C---
EX PAVEMENT (PROFILE)	//////	RAILROAD, TROLLEY TRACKS	
EX FIBER OPTICS	-----FO-----		

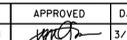
LEGEND

IMPROVEMENTS	REFERENCE	SYMBOL
TRENCH RESURFACING	SDG-107, SDG-108	
SEWER MAIN	SDS-101, SDS-110 (TYPE C)	
SEWER MANHOLE/PVC LINED	SDS-106, SDS-107, SDS-108, SDM-113, SDS-120, M-03A, SM-07	
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED	SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118	
REPLUMB SEWER LATERAL WITH C.O.	SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118	
SEWER LATERAL CONNECTION	SEE PLANS & SPECS	
TUNNEL SEWER REPLUMB LATERAL WITH C.O.	SDS-102, SDS-103, SDS-104, SDS-105	
CONCRETE ENCASEMENT	SDS-112	
ABANDON EX MANHOLE	SM-08	
SLURRY FILL ABANDONED SEWER MAIN	SEE PLANS & SPECS	
CUTTING AND PLUGGING ABANDONED WATER MAIN	WP-03	
SURVEY MONUMENT	M-10C, M-10B	
WATER MAIN & APPURTENANCES	SDM-105, SDW-110, SDW-151, SDW-161	
VALVES WITH CAPS AND WELLS	SDW-109, SDW-152, SDW-153, WV-05	
FIRE SERVICE CONNECTION & ASSEMBLY	SDM-105, SDW-109, SDW-118, SDW-152, SDW-153	
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDM-105, SDW-104, SDW-109, SDW-152, SDW-153,	
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDM-105, SDW-107, SDW-134, SDW-135, SDW-156, SDW-137, SDW-138, SDW-149, SDW-150, WS-03	
WATER SERVICE TRANSFER	SDW-149, SDW-150	
BLOW-OFF ASSEMBLY	SDM-105, SDW-106, SDW-143, SDW-144, SDW-145, SDW-146, WB-05,	
AIR & VACUUM VALVE	SDM-105, SDW-117, SDW-158, SDW-159, SDW-160	
CATHODIC PROTECTION TEST STATION	SEE PLANS	
WATER SERVICE WITH BACKFLOW PREVENTOR	SDW-114 SDW-155, SDW-156,	
HIGHLINING BY CONTRACTOR	SDW-170, SDW-171, SDW- 172, SDW-173, SDW-174 IF APPLICABLE	

FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

G-01

PLANS FOR THE CONSTRUCTION OF SEWER AND AC WATER GROUP 1032 COVER SHEET

SPEC. NO. 1933	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 01 OF 70 SHEETS	WATER WBS B-17105 SEWER WBS B-17104
APPROVED:  FOR CITY ENGINEER JANICE JARO PRINT DCE NAME	DATE 03/03/2020 DATE C70770 RCE#	SUBMITTED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY CV/EH	APPROVED 
DATE 3/3/20	FILED	SEE SHEETS CCS27 COORDINATE SEE SHEETS CCS89 COORDINATE
CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED	40915-01-D

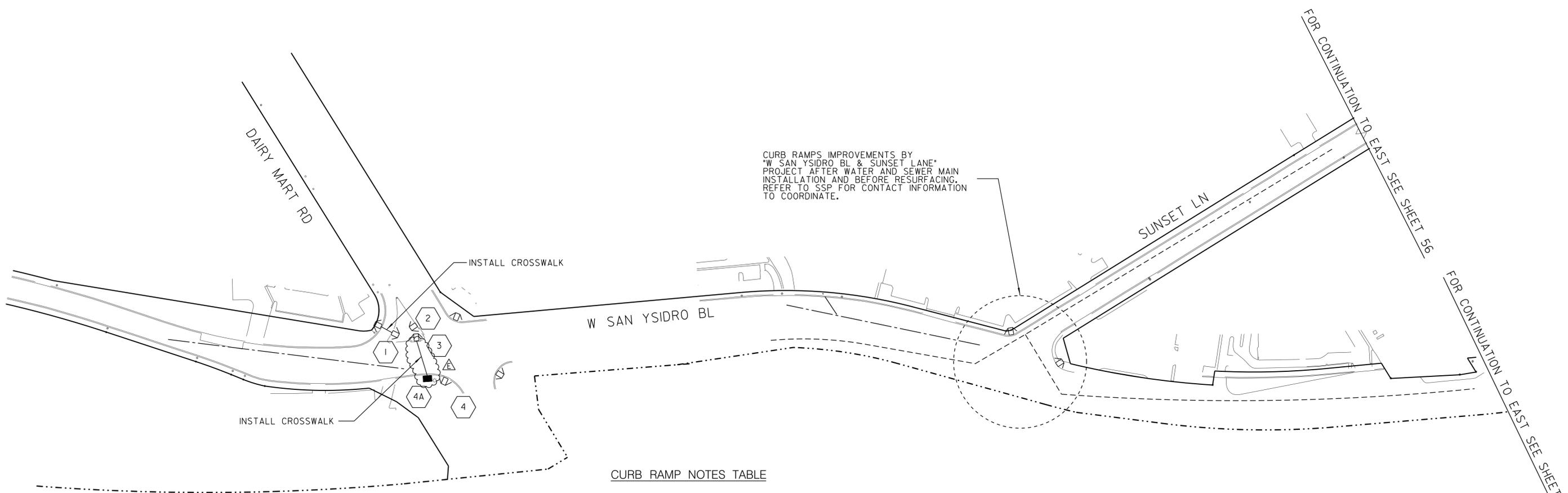


CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
B	4/8/20	52,70	
E	4/24/20	54,55,56,57,59,60,61,62,65,66	

WARNING
0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.





CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
1	B		10'+	X		X				X		SEE DETAIL 1 SHEET 59, INSTALL 5' WIDE CONCRETE PATH PER SDG-139
2	-		10'+							X		EXISTING CURB RAMP TO REMAIN
3	-		10'+							X		EXISTING CURB RAMP TO REMAIN, ADJUST TRAFFIC LOOPS, STRIPING AND REALIGN CROSSWALK
4	C1		10'+							X		ENSURE 48" MIN CLEARANCE BEHIND EXISTING POLE
4A	C2		10'+		X					X		SEE DETAIL 2 SHEET 59

- THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVAL MATERIALS LIST. CONTRACTOR MAY USE NON-STAINLESS STEEL MATERIAL PER THE CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN THE SIDEWALKS. IF THE SIDEWALK PANELS NEED TO BE REPLACED REFER TO RECOMMENDED HISTORICAL SCOPING PATTERNS.
- COUNTER SLOPES (CURB RAMP SLOPES PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 17% WITH THE EXCEPTION OF THE TYPE C1 AND TYPE C2. ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.
- CONTINENTAL CROSSWALKS WILL BE INSTALLED PER CITY STANDARD SDM-116.
- CONTRACTOR TO NOTIFY SURVEYING 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.
- RETAINING CURBS SHALL BE PROVIDED BEHIND ALL CURB RAMP WHERE THE ADJACENT GRADE IS HIGHER THAN THE SIDEWALK SURFACE. THE HEIGHT OF THE RETAINING CURB SHALL BE 2" HIGHER THAN THE ADJACENT FINISH GRADE.
- CONTRACTOR TO PROVIDE A 48" OR MORE LEVEL LANDING SEPARATION BETWEEN THE EDGE OF A DRIVEWAY AND EDGE OF A NEW CURB RAMP.
- CONTRACTOR TO MAINTAIN A LEVEL LANDING (SAME WIDTH AS THE STAIR OR WALKWAY IT SERVES) IN FRONT OF ALL EXISTING STAIRS OR WALKWAYS.
- ALL RELOCATED PPS'S SHALL HAVE A METALLIC HOUSING ASSEMBLY THAT MATCHES COLOR 33538 OF FEDERAL STANDARDS 595.
- EXISTING FIRE HYDRANTS THAT ARE ENCRANCHING ONTO THE PEDESTRIAN ACCESS ROUTE SHALL BE RELOCATED.
- PONDING IS NOT ALLOWED WITHIN CURB RAMP LIMITS, AND THE DRAINAGE PATTERN SHALL NOT BE AFFECTED.
- CONTRACTOR TO REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
- CONTRACTOR TO PROVIDE STAMP AT ALL NEW AND REPLACEMENT CURB RAMP LOCATIONS SHOWING CONTRACTORS NAME AND YEAR INSTALLED.

LEGEND:

- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN



NO SCALE

LEGEND

- (B) CURB RAMP NO'S
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX TREE
- EX STREET SIGN
- EX CURB RAMP
- EX STREET LIGHT
- EX BARRICADE

PROPOSED CURB RAMP PER STANDARD DRAWINGS:

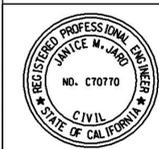
- DETECTABLE WARNING TILES SDG-130
- GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-131
- CURB RAMP TYPE A SDG-132
- CURB RAMP TYPE B SDG-133
- DUAL CURB RAMP SDG-134
- CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-135
- CURB RAMP ADDITIONAL DETAILS SDG-136
- CURB RAMP TYPE D SDG-137
- GENERAL CURB RAMP SDG-138
- PEDESTRIAN ISLAND & CUT-THROUGH DETAILS SDG-139
- EX STAMP/IMPRESSION PLACEMENT SDG-140
- SDG-115

C-51

SEWER AND AC WATER GROUP 1032
CURB RAMP LOCATION 1

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 54 OF 70 SHEETS

APPROVED: <i>[Signature]</i> FOR CITY ENGINEER JANICE JARO PRINT DCE NAME	DATE 03/03/2020 DATE C70770 RCE#	DATE 3/3/20	DATE 4/24/20	DATE	DATE	DATE	DATE
DESCRIPTION ORIGINAL	BY CV/EH	APPROVED	DATE	FILMED	DATE	DATE	DATE
DESCRIPTION ADDENDUM E	BY CV/CV	APPROVED	DATE	FILMED	DATE	DATE	DATE

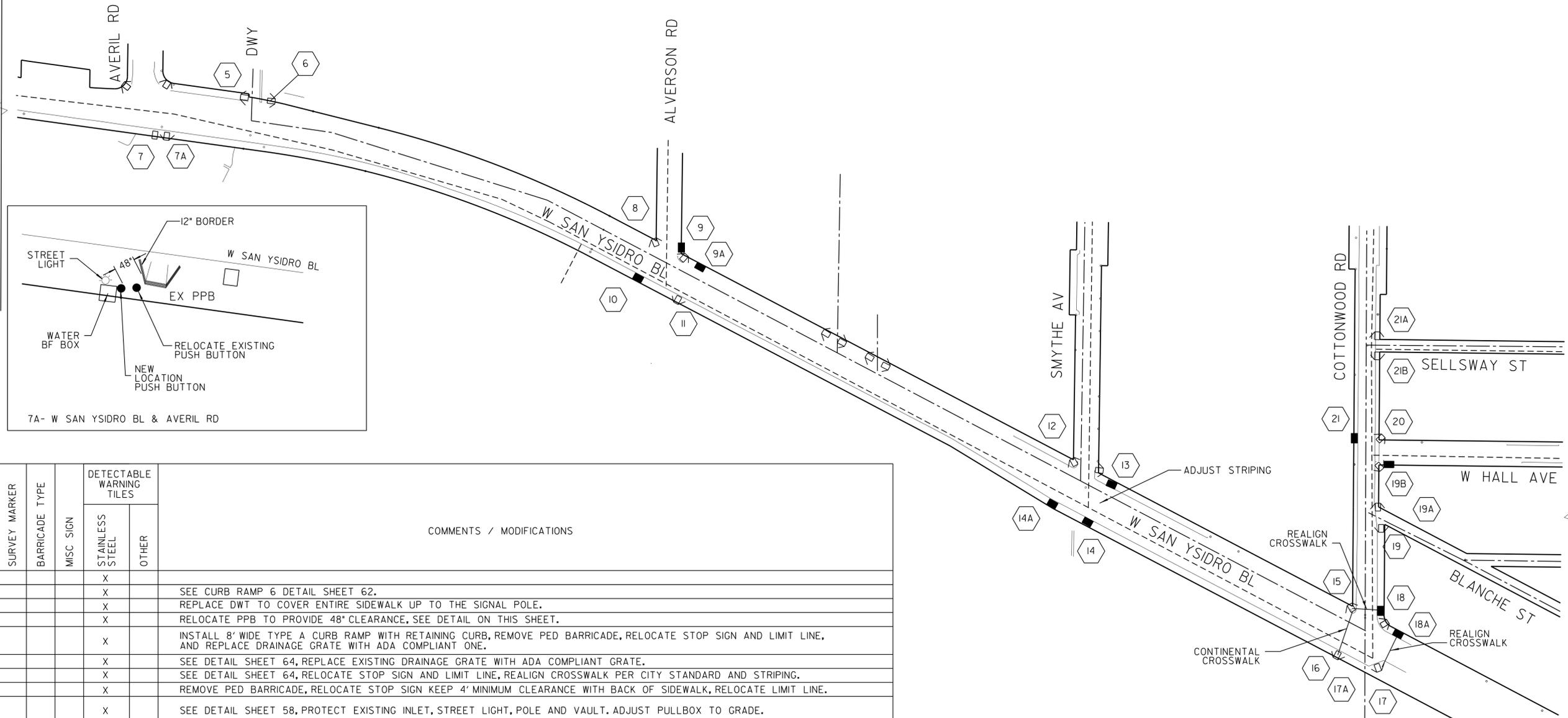


CONTRACTOR INSPECTOR _____ DATE STARTED _____ DATE COMPLETED _____

WATER WBS	B-17105
SEWER WBS	B-17104
PROJECT MANAGER	AZIN NOUR
PROJECT ENGINEER	CELINA VEGA
SEE SHEETS	SEE SHEETS
COORDINATE	COORDINATE
COORDINATE	COORDINATE
COORDINATE	40915-54-D

ADDENDUM E

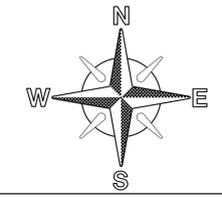
FOR CONTINUATION TO WEST SEE SHEET 54



FOR CONTINUATION TO EAST SEE SHEET 56

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP TYPE	CASE	APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
										STAINLESS STEEL	OTHER	
5	D		5'	X		X				X		
6	-		5'	X		X				X		SEE CURB RAMP 6 DETAIL SHEET 62.
7	-		10'							X		REPLACE DWT TO COVER ENTIRE SIDEWALK UP TO THE SIGNAL POLE.
7A	-		10'							X		RELOCATE PPB TO PROVIDE 48" CLEARANCE, SEE DETAIL ON THIS SHEET.
8	A		8'	X		X				X		INSTALL 8' WIDE TYPE A CURB RAMP WITH RETAINING CURB, REMOVE PED BARRICADE, RELOCATE STOP SIGN AND LIMIT LINE, AND REPLACE DRAINAGE GRATE WITH ADA COMPLIANT ONE.
9	CI		7'	X		X				X		SEE DETAIL SHEET 64, REPLACE EXISTING DRAINAGE GRATE WITH ADA COMPLIANT GRATE.
9A	CI		9'		X	X				X		SEE DETAIL SHEET 64, RELOCATE STOP SIGN AND LIMIT LINE, REALIGN CROSSWALK PER CITY STANDARD AND STRIPING.
10	C2		10'		X					X		REMOVE PED BARRICADE, RELOCATE STOP SIGN KEEP 4' MINIMUM CLEARANCE WITH BACK OF SIDEWALK, RELOCATE LIMIT LINE.
11	B		10'	X		X				X		SEE DETAIL SHEET 58, PROTECT EXISTING INLET, STREET LIGHT, POLE AND VAULT. ADJUST PULLBOX TO GRADE.
12	CI		6'	X		X				X		SEE DETAIL 1 SHEET 60, RELOCATE THE STOP SIGN AND LIMIT LINE.
13	C2	A	9'		X	X				X		SEE DETAIL 3 SHEET 60, PROTECT VAULT.
14	CI	A	10'		X	X				X		SEE DETAIL 2 SEE SHEET 60.
14A	CI	A	10'		X					X		SEE DETAIL SHEET 60.
15	CI		8.5'	X		X				X		10' WIDER BOTTOM LANDING, RELOCATE PPB, ADJUST PULL BOX TO GRADE, ENSURE 36" CLEARANCE BEHIND TRASH CAN.
16	CI		10'	X		X				X		ENSURE 4'X4' LEVEL LANDING ADJACENT TO RAMP EAST SIDE, RELOCATE PPB PER ADA AND MUTCD, INSTALL CONTINENTAL CROSSWALK PER SDM-116.
17	B		10'	X		X				X		
17A	-		10'							X		SEE DETAIL SHEET 58.
18	A		10'		X	X				X		RELOCATE NEWSPAPER RACKS, PROTECT INLET, INSTALL BOLLARDS AT BACK OF RAMP, ADJUST PULL BOXES TO GRADE
18A	A		10'		X	X				X		RELOCATE PPB PER ADA AND MUTCD, REPLACE EX CR WITH SIDEWALK PER SDG-155, CURB AND GUTTER PER SDG-151
19	D	A	10'	X						X		SEE DETAIL SHEET 63, DRIVEWAY AND ALLEY APRON TO BE REPLACED.
19A	D		10'	X						X		SEE DETAIL SEE SHEET 63.
19B	CI		5'	X		X				X		SEE DETAIL SEE SHEET 61, ADJUST PULL BOX TO GRADE.
20	CI		5'	X		X				X		SEE DETAIL SHEET 61, TYPE C-1 PER SDG-136 (CORNER WITH STRUCTURE), RELOCATE SIGN ENSURE 84" VERTICAL CLEARANCE
21	CI		5'		X	X				X		SEE DETAIL SHEET 58
21A	-		5'									EXISTING CURB RAMP TO REMAIN
21B	D		5'		X					X		PLACE DWT PER CURRENT STANDARD, RELOCATE WATER BOX IF IN CONFLICT WITH DWT LOCATION



LEGEND:
 - - - - - PROPOSED SEWER MAIN
 - - - - - PROPOSED WATER MAIN

NO SCALE LEGEND

- (8) CURB RAMP NO's
- EX UTILITY POLE
- EX FIRE HYDRANT
- PROPOSED CURB RAMP PER STANDARD DRAWINGS
- DETECTABLE WARNING TILES SDG-130
- GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-131
- CURB RAMP TYPE A SDG-132
- CURB RAMP TYPE B SDG-133
- DUAL CURB RAMP SDG-134
- CURB RAMP - TYPE CI & C2 & MORE DETAILS SDG-135
- CURB RAMP ADDITIONAL DETAILS SDG-136
- CURB RAMP TYPE D SDG-137
- GENERAL CURB RAMP SDG-138
- PEDESTRIAN ISLAND & CUT-THROUGH DETAILS SDG-139
- EX STAMP/IMPRESSION PLACEMENT SDG-140
- EX TREE
- EX STREET SIGN
- EX BARRICADE
- EX STREET LIGHT
- EX CURB RAMP



C-52

SEWER AND AC WATER GROUP 1032
CURB RAMP LOCATION 2

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 55 OF 70 SHEETS

APPROVED: *[Signature]* DATE: 03/03/2020
FOR CITY ENGINEER: JANICE JARO
PRINT DDC: NAME: RCEK

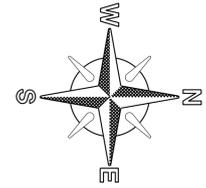
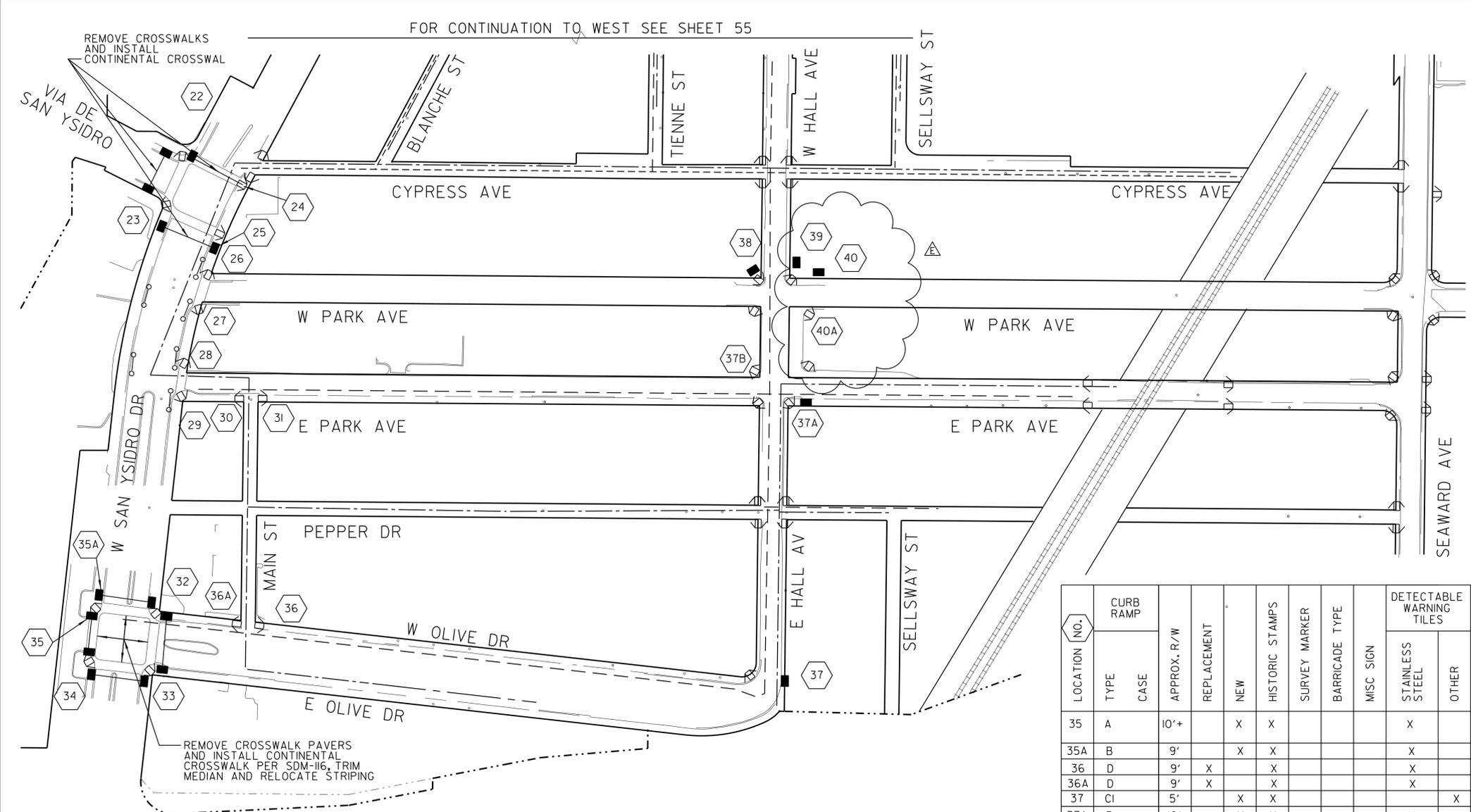
WATER WBS: B-17105
SEWER WBS: B-17104

PROJECT MANAGER: AZIN NOUR
PROJECT ENGINEER: CELINA VEGA

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CV/EH	<i>[Signature]</i>	3/3/20	
ADDENDUM E	CV/CV	<i>[Signature]</i>	4/24/20	

CONTRACTOR INSPECTOR: _____ DATE STARTED: _____ DATE COMPLETED: _____

40915-55-D



NO SCALE

LEGEND:

- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
35	A		10'+		X	X				X		RELOCATE BOLLARDS, RELOCATE PPB PER ADA AND MUTCD, PROTECT SIGNAL POLE 48" MINIMUM CLEARANCE FORM SIGNAL POLE.
35A	B		9'		X	X				X		RELOCATE BOLLARDS, ADJUST PULLBOX TO GRADE, 48" MINIMUM CLEARANCE FORM SIGNAL POLE.
36	D		9'	X		X				X		PROTECT UTILITY POLE, RELOCATE SIGN.
36A	D		9'	X		X				X		PROTECT UTILITY POLE, RELOCATE SIGN.
37	CI		5'		X	X					X	ENSURE 4' MIN LEVEL LANDING ADJACENT TO DRIVEWAY.
37A	B		10'		X	X				X		EXISTING CURB RAMP TO REMAIN, RELOCATE STOP LIMIT LINE.
37B	-		10'		X	X				X		EXISTING CURB RAMP TO REMAIN, RELOCATE STOP LIMIT LINE.
38	A		6'	X		X				X		8' WIDE TYPE A, ENSURE 48" MINIMUM ACCESSIBLE PATH AROUND RAMP.
39	CI		6'	X		X				X		REPLACE EXISTING CURB RAMP WITH SIDEWALK PER SDG-155, CURB AND GUTTER PER ADG-151.
40	B		10'			X				X		RELOCATE SIGN AND LIMIT LINE.
40A	-		9'			X				X		EXISTING CURB RAMP TO REMAIN.

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
22	A		10'+		X	X				X		DUAL TYPE A PER SDG-134, PROTECT EXISTING SIGNAL POLE, RELOCATE BOLLARDS IF NECESSARY, RELOCATE PPB PER ADA AND MUTCD, 48" MINIMUM CLEARANCE FORM SIGNAL POLE
23	A		8'		X	X				X		DUAL TYPE A PER SDG-134, PROTECT EXISTING SIGNAL POLE AND INLET, RELOCATE BOLLARDS IF NECESSARY, RELOCATE PPB PER ADA AND MUTCD, 48" MINIMUM CLEARANCE FORM SIGNAL POLE
24	B		10'+	X		X				X		REMOVE CROSSWALK AND INSTALL CONTINENTAL CROSSWALK PER SDM-I16
25	B		10'+		X	X				X		INSTALL NEW CR ALIGNED WITH DUAL CR, REMOVE CROSSWALK AND INSTALL CONTINENTAL CROSSWALK PER SDM-I16
26	A		10'	X		X		PED		X		PROTECT EXISTING BOLLARDS, INSTALL PED BARRICADE
27	A		10'	X		X		PED		X		PROTECT EXISTING BOLLARDS, INSTALL PED BARRICADE
28	A		10'	X		X		PED		X		PROTECT EXISTING BOLLARDS, INSTALL PED BARRICADE
29	A		10'	X		X		PED		X		PROTECT EXISTING BOLLARDS, INSTALL PED BARRICADE
30	D		10'	X		X				X		
31	D		10'	X		X				X		
32	A		10'+		X	X				X		DUAL TYPE A PER SDG-134, RELOCATE BOLLARDS, PROTECT EXISTING SIGNAL POLE, RELOCATE PPB, ENSURE 48" MINIMUM CLEARANCE FORM SIGNAL POLE
33	A		10'+		X	X				X		DUAL TYPE A PER SDG-134, RELOCATE BOLLARDS AND SIGN, RELOCATE PPB, REMOVE CROSSWALK PAVERS AND INSTALL CONTINENTAL CROSSWALK PER SDM-I16, 48" MINIMUM CLEARANCE FORM SIGNAL POLE
34	A		10'+		X	X				X		DUAL TYPE A PER SDG-134, RELOCATE BOLLARDS, ADJUST PULL BOX TO GRADE, RELOCATE PPB PER ADA AND MUTCD, 48" MINIMUM CLEARANCE FORM SIGNAL POLE

LEGEND

- (8) CURB RAMP NO'S
- T EX TREE
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- EX STREET SIGN
- EX CURB RAMP
- EX BARRICADE

PROPOSED CURB RAMP PER STANDARD DRAWINGS:

- DETECTABLE WARNING TILES SDG-130
- GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-131
- CURB RAMP TYPE A SDG-132
- CURB RAMP TYPE B SDG-133
- DUAL CURB RAMP SDG-134
- CURB RAMP - TYPE CI & C2 & MORE DETAILS SDG-135
- CURB RAMP ADDITIONAL DETAILS SDG-136
- CURB RAMP TYPE D SDG-137
- GENERAL CURBS RAMP SDG-138
- PEDESTRIAN ISLAND & CUT-THROUGH DETAILS SDG-139
- EX STAMP/IMPRESSION PLACEMENT SDG-140
- SDG-140
- SDG-145



SEWER AND AC WATER GROUP 1032
CURB RAMP LOCATION 3

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 56 OF 70 SHEETS

APPROVED: *[Signature]* DATE: 03/03/2020
FOR CITY ENGINEER: JANICE JARO
PRINT DCE NAME: RCE# C70770

FOR ENGINEER: *[Signature]* DATE: 3/3/20
CHECKED BY: CELINA VEGA
PROJECT ENGINEER

WATER WBS: B-17105
SEWER WBS: B-17104

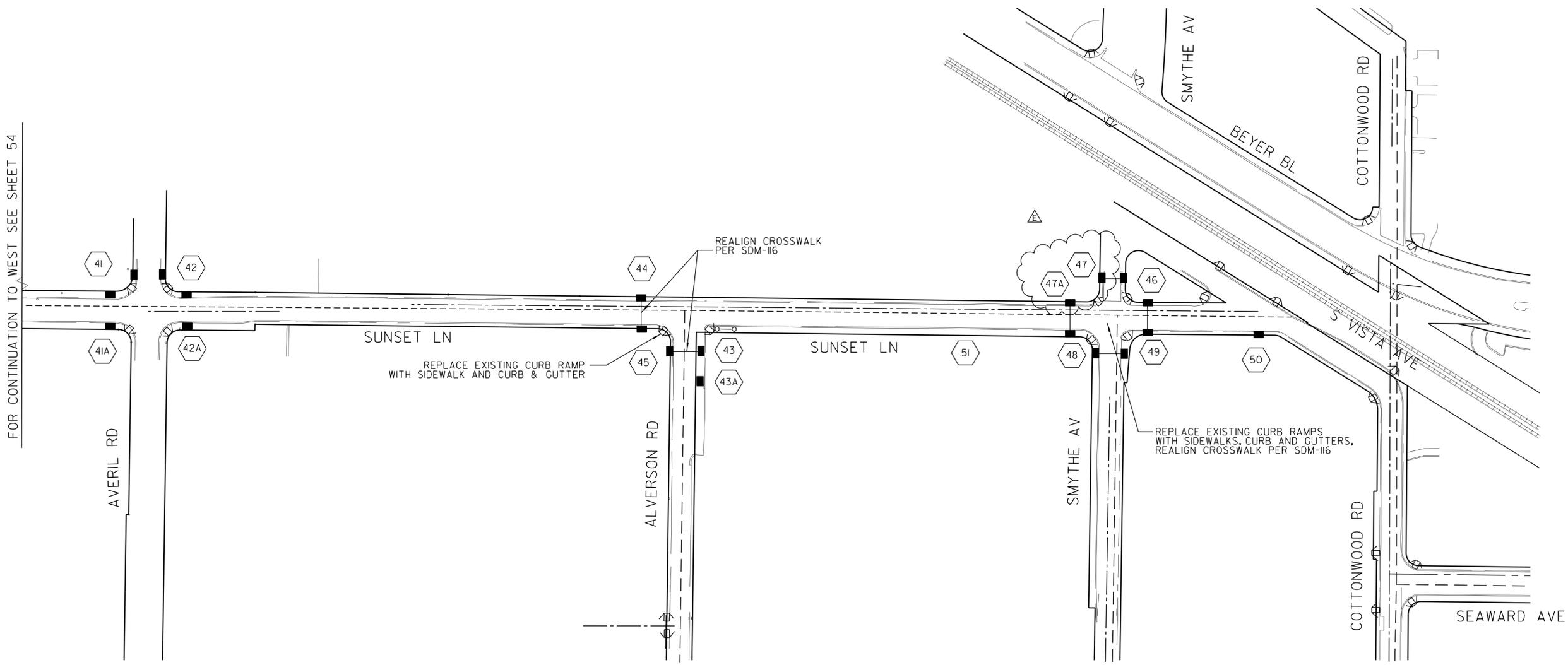
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CV/CV	<i>[Signature]</i>	3/3/20	
ADDENDUM E	CV/CV	<i>[Signature]</i>	4/24/20	

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

40915-56-D

C-53

CURB RAMP LOCATION 3

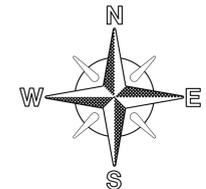


CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
41	CI		8'		X	X				X		DUAL TYPE CI, ENSURE 4' MIN LEVEL LANDING IN FRONT OF PRIVATE WALKWAY, RELOCATE LIMIT LINE
41A	B		10'		X	X				X		RELOCATE STOP SIGN AND LIMIT LINE.
42	CI		6'		X	X				X		DUAL TYPE CI, RELOCATE LIMIT LINE
42A	B		10'		X	X				X		STREET LIGHT TO BE IN FLARE, EXISTING CURB RAMP TO REMAIN
43	B		10'		X	X				X		RELOCATE STOP SIGN AND LIMIT LINE, REPLACE EXISTING CURB RAMP WITH SIDEWALK, CURB AND GUTTER, INSTALL PED BARRICADE
43A	B		10'	X		X				X		INSTALL 2 ACCESSIBLE PARKING SPACES PER SDM-117
44	CI		5'		X	X				X		
45	CI		5'		X	X				X		DUAL TYPE CI, PROTECT UTILITY POLE, RELOCATE STOP SIGN AND LIMIT LINE
46	CI		5'		X	X				X		DUAL TYPE CI, RELOCATE STOP SIGN AND LIMIT LINE
47	CI		10'		X	X				X		36" MIN CLEARANCE FROM POLE, RELOCATE GUY WIRE.
47A	B		10'		X	X				X		INSTALL CURB RAMP AFTER SCHOOL SIGN.
48	A		7'		X	X				X		DUAL TYPE A, RELOCATE STOP SIGN AND LIMIT LINE
49	CI		9'		X	X				X		DUAL TYPE CI, RELOCATE STOP SIGN AND LIMIT LINE, RELOCATE GUY WIRE, 36" MIN HORIZONTAL CLEARANCE
50	CI		6'			X				X		RELOCATE STOP LIMIT LINE
51	-		10'									INSTALL PASSENGER LOADING ZONE PER DETAIL ON SHEET 9 OF 9 OF SDM-117

LEGEND:

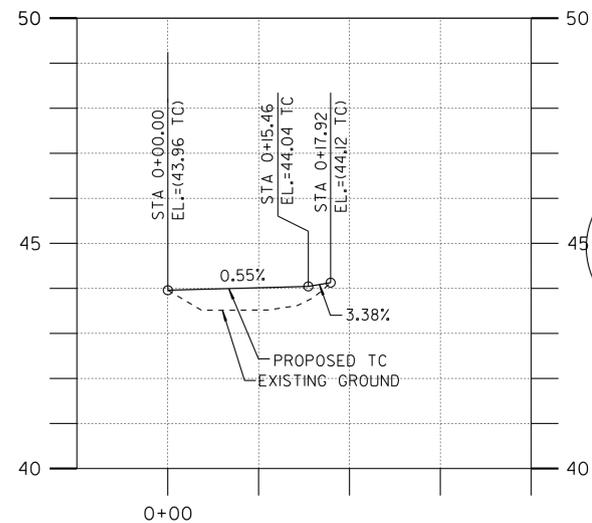
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN



NO SCALE

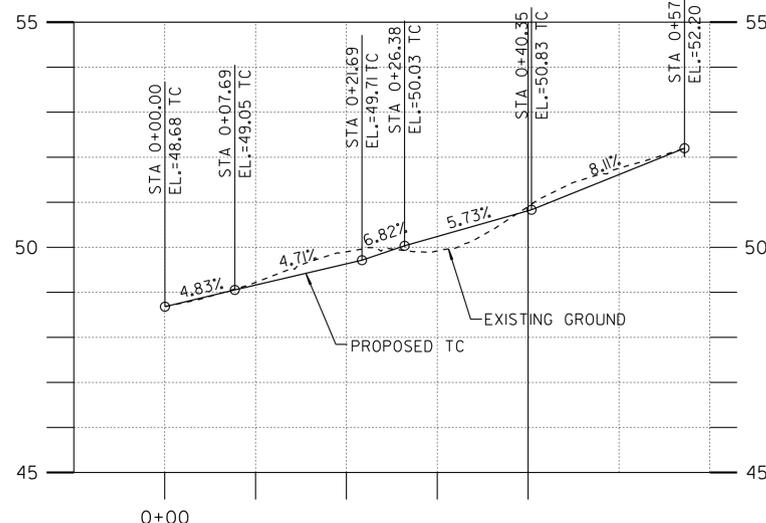
C-54

LEGEND		SEWER AND AC WATER GROUP 1032 CURB RAMP LOCATION 4	
<ul style="list-style-type: none"> ⑧ CURB RAMP NO'S • EX UTILITY POLE ⊕ EX FIRE HYDRANT ⊕ EX TREE ⊕ EX STREET SIGN ⊕ EX CURB RAMP ⊕ EX STREET LIGHT ⊕ EX BARRICADE 	<ul style="list-style-type: none"> SDG-130 DETECTABLE WARNING TILES SDG-131 GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-132 CURB RAMP TYPE A SDG-133 CURB RAMP TYPE B SDG-134 DUAL CURB RAMP SDG-135 CURB RAMP - TYPE CI & C2 & MORE DETAILS SDG-136 CURB RAMP ADDITIONAL DETAILS SDG-137 CURB RAMP TYPE D SDG-138 GENERAL CURBS RAMP SDG-139 PEDESTRIAN ISLAND & CUT-THROUGH DETAILS SDG-140 EX STAMP/IMPRESSION PLACEMENT 	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 57 OF 70 SHEETS	
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER JANICE JARO PRINT DCE NAME		DATE: 03/03/2020 DATE: C70770 RCEP	WATER WBS: B-17105 SEWER WBS: B-17104 SUBMITTED BY: AZIN NOUR PROJECT MANAGER CHECKED BY: CELINA VEGA PROJECT ENGINEER
ORIGINAL ADDENDUM E	BY: CV/EH BY: CV/CV	APPROVED: <i>[Signature]</i> DATE: 3/3/20 DATE: 4/24/20	SEE SHEETS CCS27 COORDINATE SEE SHEETS CCS83 COORDINATE
CONTRACTOR INSPECTOR: _____ DATE STARTED: _____ DATE COMPLETED: _____		40915-57-D	



PROFILE DETAIL 1

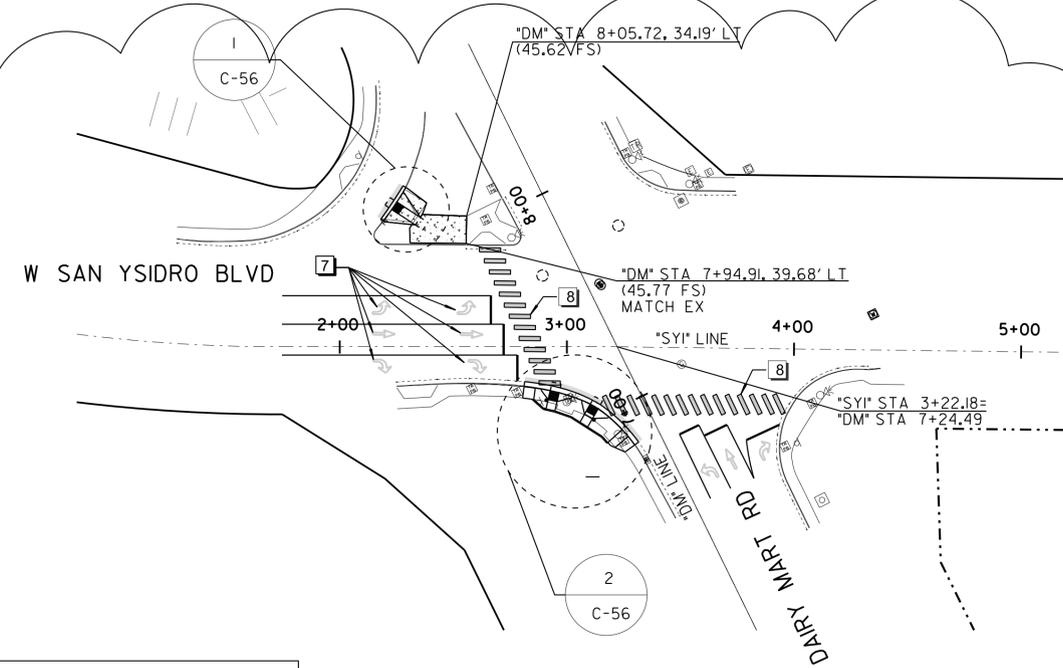
SCALE
1"=10' HORZ.
1"=2' VERT.



PROFILE DETAIL 2

SCALE
1"=10' HORZ.
1"=2' VERT.

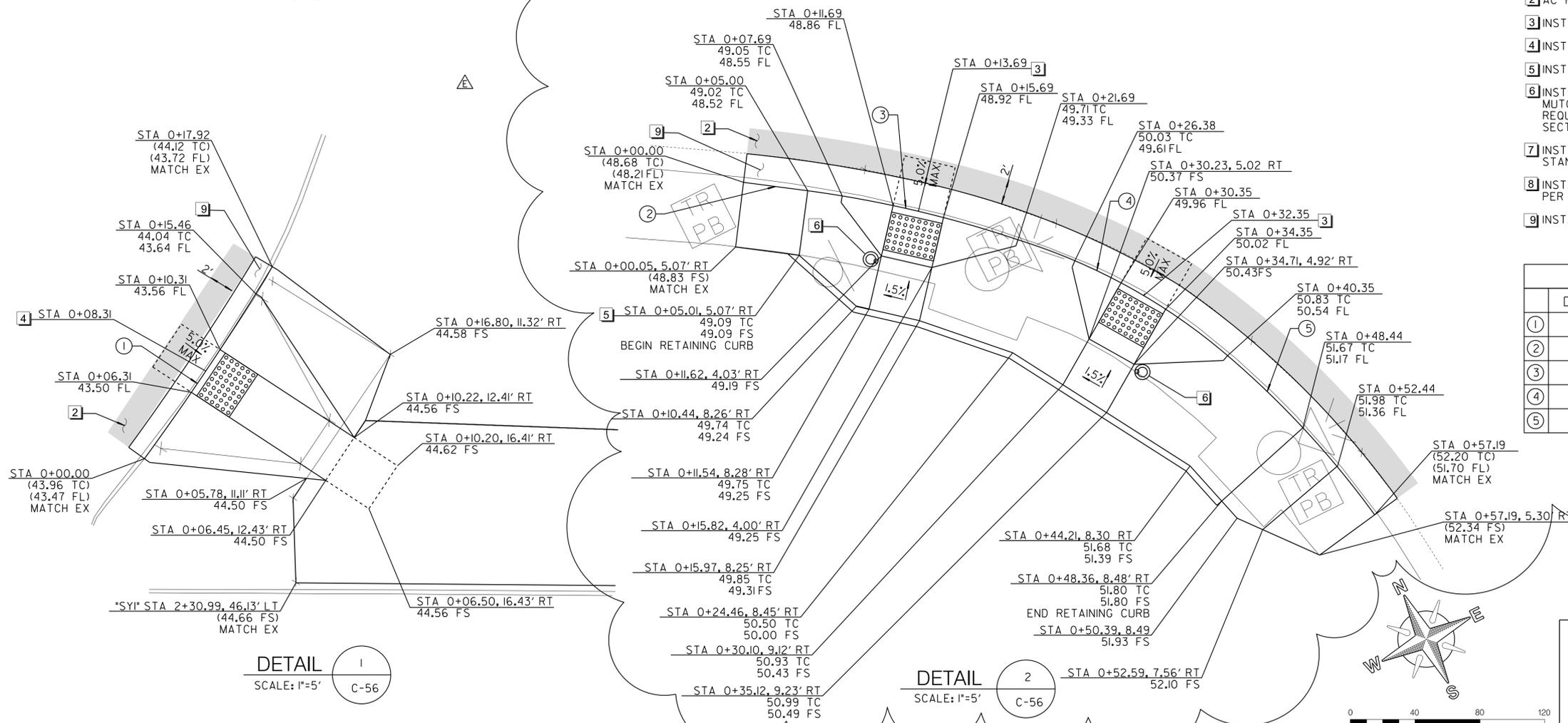
HORIZONTAL ALIGNMENT REPORT
SEE SHEET 65



CONSTRUCTION NOTES

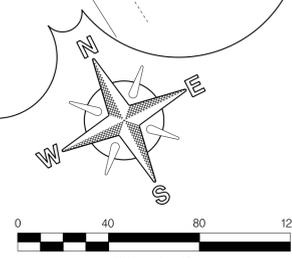
- 1 PROTECT IN PLACE
- 2 AC PATCH TO MATCH EXISTING GRADE
- 3 INSTALL MODIFIED TYPE 'C-2' CURB RAMP PER SDG-135
- 4 INSTALL TYPE 'B' CURB RAMP PER SDG-133
- 5 INSTALL 6" WIDE RETAINING CURB PER SDG-135
- 6 INSTALL PEDESTIAN PUSH BUTTON ASSEMBLY AND POST PER MUTCD SECTION 4E.08. PEDESTRIAN PUSH BUTTON HOUSING REQUIREMENTS SHALL BE INSTALLED PER CITY WHITEBOOK SECTION 700-5.3
- 7 INSTALL IN KIND TRAFFIC MARKINGS PER CALTRANS STANDARD PLANS A20A - A24F
- 8 INSTALL 10' WIDE CONTINENTAL CROWLWAY AND LIMIT LINE PER SDM-116
- 9 INSTALL TYPE 'G' CURB AND GUTTER PER SDG-151

HORIZONTAL DATA TABLE				
	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	5° 00' 00"	205.32	17.92'	
2	S 56° 00' 26" E		4.77'	
3	S 43° 27' 32" E		19.03'	
4	S 22° 53' 20" E		16.38'	
5	S 9° 14' 27" E		17.03'	



DETAIL 1
SCALE: 1"=5'
C-56

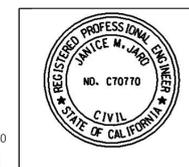
DETAIL 2
SCALE: 1"=5'
C-56



**SEWER AND AC WATER GROUP 1032
CURB RAMP DETAIL 2
W SAN YSIDRO BL & DARY MART RD**

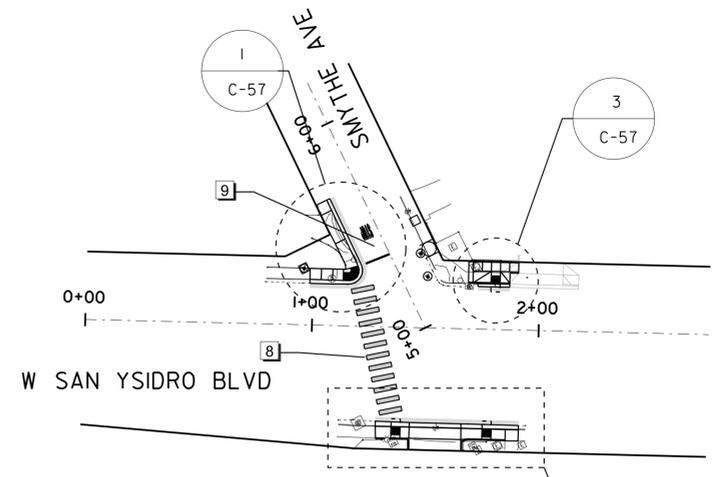
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 59 OF 70 SHEETS

APPROVED FOR CITY ENGINEER JANICE JARO PRINT DCE NAME	DATE 03/03/2020 C70770 RCE#	PROJECT MANAGER NEGIN AFACH	WBS B-17104 B-17105
DESIGNER STUART OSBORNE PROJECT ENGINEER	BY NA/SO	APPROVED DATE 3/3/20	FILMED 142-1749
DESCRIPTION ORIGINAL	BY CV/CV	APPROVED DATE 4/24/20	FILMED CCS27 COORDINATE 1782-6309
ADDENDUM E			CCS83 COORDINATE 40915-59-D



CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED

HORIZONTAL DATA TABLE				
	DELTA/BEARING	RADIUS	LENGTH	REMARKS
①	S 61° 29' 31" E	-	12.06'	
②	117° 27' 39"	4.50	9.23'	
③	N 1° 02' 51" E	-	32.27'	
④	S 62° 12' 37" E	-	6.96'	
⑤	S 62° 06' 06" E	-	34.04'	
⑥	N 61° 57' 10" W	-	22.09'	

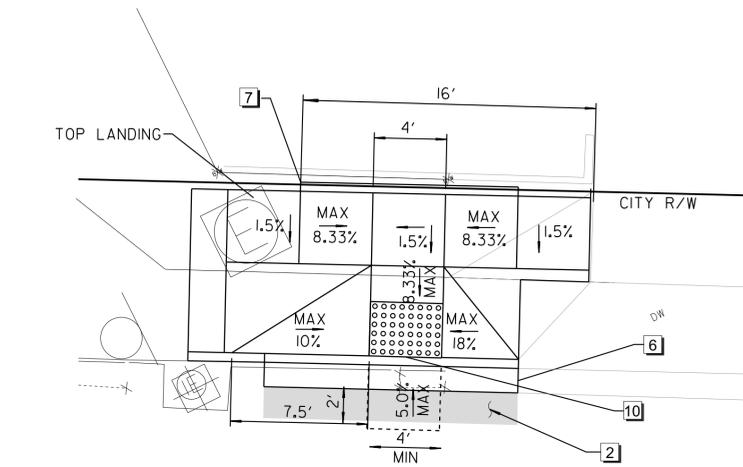


CONSTRUCTION NOTES

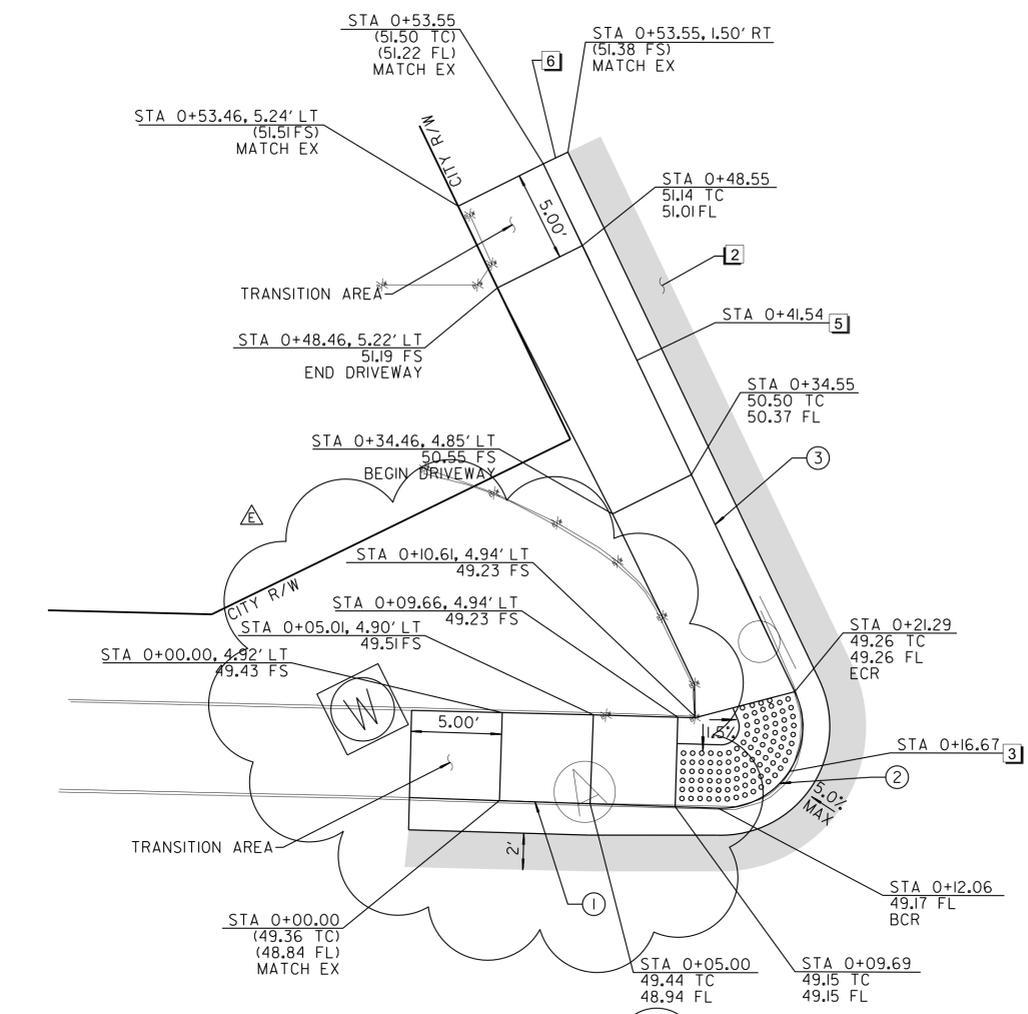
- 1 PROTECT IN PLACE
- 2 AC PATCH TO MATCH EXISTING GRADE
- 3 INSTALL MODIFIED TYPE 'C-1' (CORNER WITH BUILDING OR STRUCTURE) CURB RAMP PER SDG-136
- 4 INSTALL MODIFIED TYPE 'C-1' CURB RAMP PER SDG-135
- 5 INSTALL MODIFIED DRIVEWAY PER SDG-162
- 6 INSTALL TYPE 'G' CURB AND GUTTER PER SDG-151
- 7 INSTALL 6" WIDE RETAINING CURB PER SDG-135
- 8 INSTALL 10' WIDE CONTINENTAL CROSSWALK PER SDM-116
- 9 INSTALL STOP BAR AND TRAFFIC MARKINGS PER CALTRANS STANDARD PLANS A24D AND A24E
- 10 INSTALL MODIFIED TYPE 'C-2' CURB RAMP PER SDG-135

GENERAL NOTES

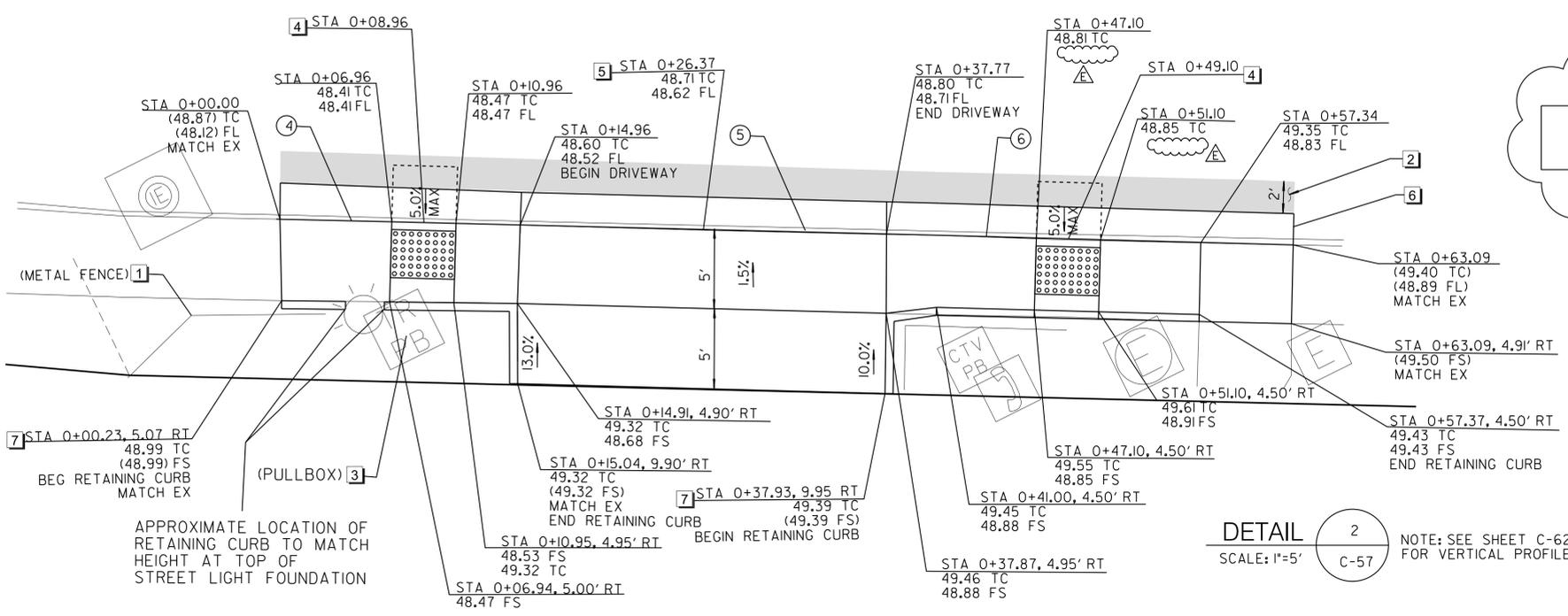
SOME SURVEY DATA INCOMPLETE THIS SHEET. CONTRACTOR SHALL COORDINATE WITH CITY RESIDENT ENGINEER TO FIELD VERIFY FINAL LIMITS OF IMPROVEMENTS.



DETAIL 3
SCALE: 1"=5'

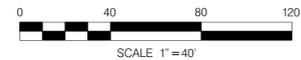
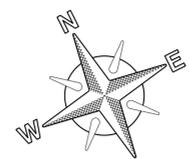


DETAIL 1
SCALE: 1"=5'
NOTE: SEE SHEET C-62 FOR VERTICAL PROFILE



DETAIL 2
SCALE: 1"=5'
NOTE: SEE SHEET C-62 FOR VERTICAL PROFILE

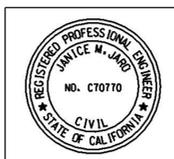
HORIZONTAL ALIGNMENT REPORT
SEE SHEET 65



C-57

SEWER AND AC WATER GROUP 1032
CURB RAMP DETAIL 3
W SAN YSIDRO BL & SMYTHE AV

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 60 OF 70 SHEETS

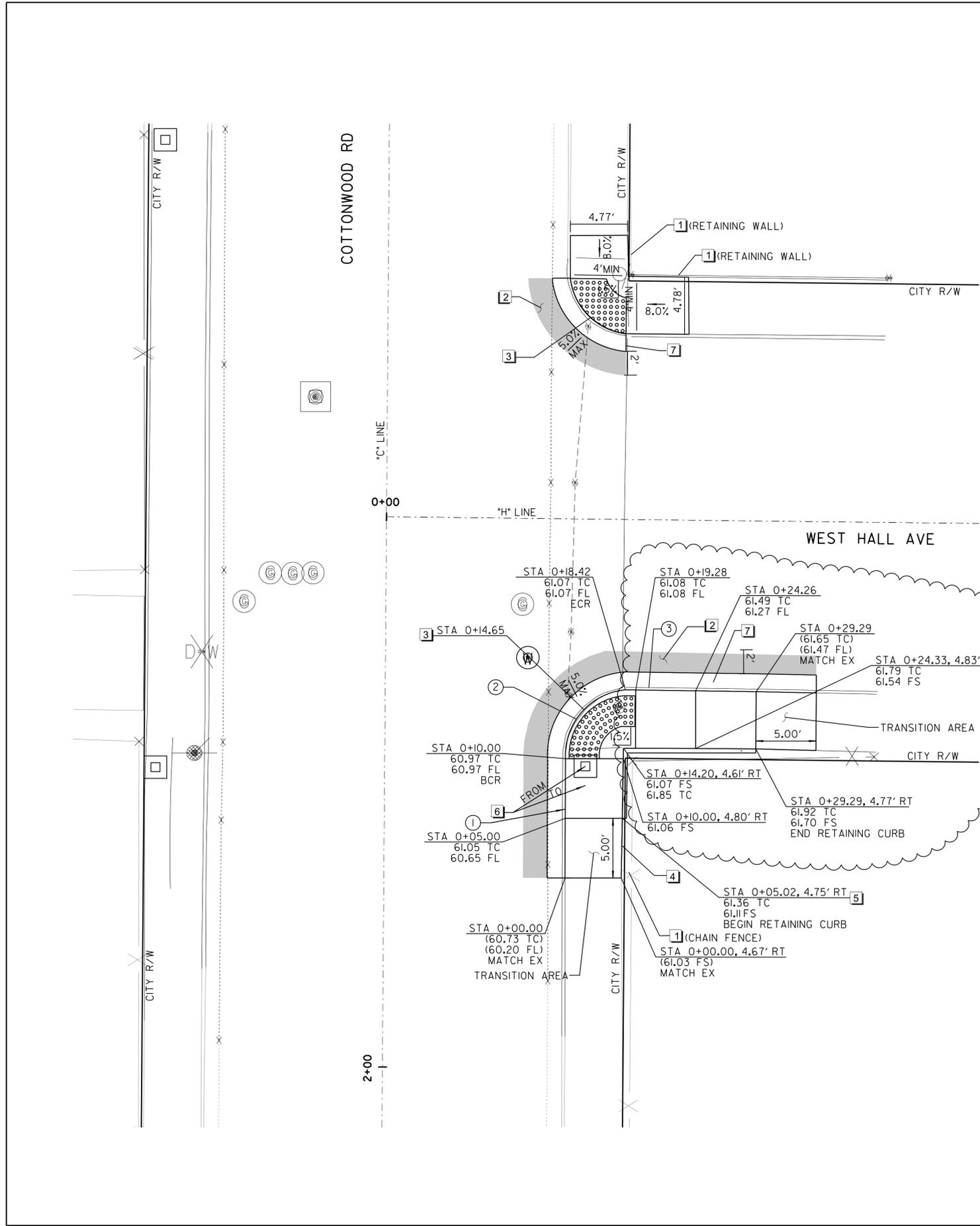


APPROVED FOR CITY ENGINEER JANICE JARO PRINT NAME	DATE 03/03/2020	PROJECT NO. C70770	ISSUED BY NEGIN AFAGH PROJECT MANAGER
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	NA/SO		3/3/20
ADDENDUM E	CV/CV		4/24/20
1782-6309 CCS83 COORDINATE			STUART OSBORNE PROJECT ENGINEER

CONTRACTOR INSPECTOR _____ DATE STARTED _____ DATE COMPLETED _____

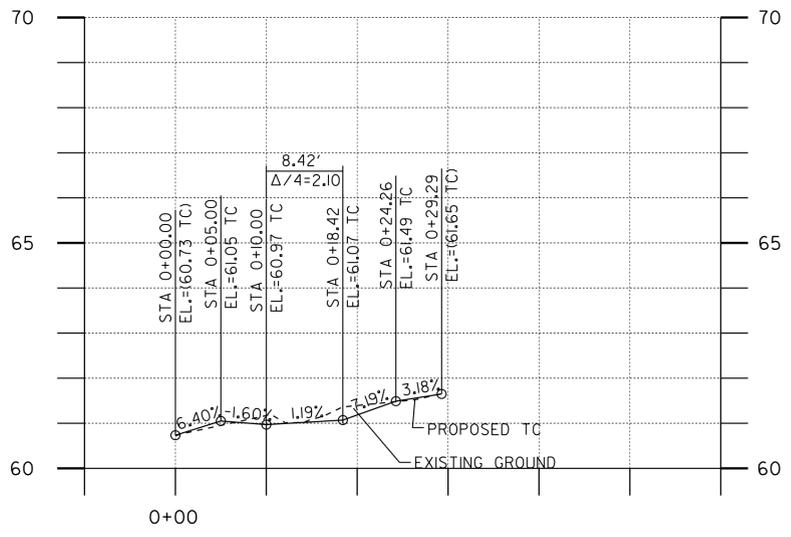
40915-60-D

ADDENDUM E



HORIZONTAL DATA TABLE				
	DELTA/BEARING	RADIUS	LENGTH	REMARKS
①	N 0° 16' 10" E	-	10'	
②	87° 42' 39"	5.50	8.42'	
③	S 89° 10' 50" E	-	10.87	

- CONSTRUCTION NOTES
- 1 PROTECT IN PLACE
 - 2 AC PATCH TO MATCH EXISTING GRADE
 - 3 INSTALL TYPE 'C-1' (CORNER WITH BUILDING OR STRUCTURE) CURB RAMP PER SDG-136
 - 4 INSTALL ROOT CONTROL BARRIER PER SDL-106
 - 5 INSTALL 4" WIDE RETAINING CURB PER SDG-135
 - 6 RELOCATE WATER SERVICE
 - 7 INSTALL TYPE 'G' CURB AND GUTTER PER SDG-151



PROFILE
SCALE
1"=10' HORZ.
1"=2' VERT.

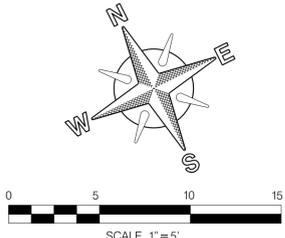
Horizontal Alignment Review Report
Cottonwood and Hall's Ramp

Station Northing Easting

Element: Linear
POB () 0+00.00 1782487.20 6315782.64
PC () 0+10.00 1782497.20 6315782.69
Tangential Direction: N 0° 16' 10" E
Tangential Length: 10.00

Element: Circular
PC () 0+10.00 1782497.20 6315782.69
PI () 0+15.28 1782502.48 6315782.41
CC () 1782497.49 6315788.18
PT () 0+18.42 1782502.97 6315787.67
Radius: 5.50
Delta: 87° 42' 39" Right
Degree of Curvature (Arc): 104° 44' 29"
Length: 8.42
Tangent: 5.28
Chord: 7.62
Middle Ordinate: 1.53
External: 2.13
Tangent Direction: N 3° 04' 01" W
Radial Direction: N 86° 55' 59" E
Chord Direction: N 40° 47' 18" E
Radial Direction: S 5° 21' 22" E
Tangent Direction: N 84° 38' 38" E

Element: Linear
POE () 0+29.29 1782502.81 6315798.54
Tangential Direction: S 89° 10' 50" E
Tangential Length: 10.87



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SEWER AND AC WATER GROUP 1032
CURB RAMP DETAIL 4
COTTONWOOD RD & W HALL AV

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 61 OF 70 SHEETS

WBS B-17104
WBS B-17105



APPROVED FOR CITY ENGINEER JANICE JARO PRINT DCE NAME	DATE 03/03/2020 DATE	RCE# C70770	SUBMITTED BY NEGIN AFAGH PROJECT MANAGER
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	NA/SO	<i>[Signature]</i>	3/3/20
ADDENDUM E	CV/CV	<i>[Signature]</i>	2/24/20
CONTRACTOR INSPECTOR			DATE STARTED DATE COMPLETED

142-1749
CCS27 COORDINATE
1782-6309
CCS83 COORDINATE
40915-61-D

DAIRY MART & W SAN YSIDRO BL

Horizontal Alignment Review Report
 Dairy Mart & San Ysidro South
 Station Northing Easting

Element: Linear
 POB () 0+00.00 1784357.19 6311294.67
 PC () 0+04.77 1784354.52 6311298.63
 Tangential Direction: S 56° 00' 26" E
 Tangential Length: 4.77

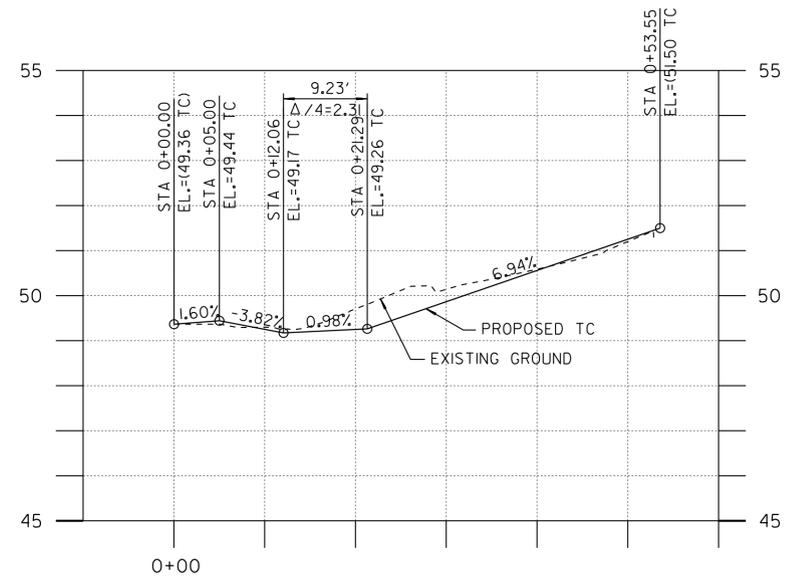
Element: Circular
 PC () 0+04.77 1784354.52 6311298.63
 PI () 0+14.32 1784349.18 6311306.55
 CC () 1784282.50 6311250.06
 PCC () 0+23.79 1784342.25 6311313.12
 Radius: 86.87
 Delta: 12° 32' 54" Right
 Degree of Curvature (Arc): 65° 57' 15"
 Length: 19.03
 Tangent: 9.55
 Chord: 18.99
 Middle Ordinate: 0.52
 External: 0.52
 Tangent Direction: S 56° 00' 26" E
 Radial Direction: S 33° 59' 34" W
 Chord Direction: S 49° 43' 59" E
 Radial Direction: S 46° 32' 28" W
 Tangent Direction: S 43° 27' 32" E

Element: Circular
 PCC () 0+23.79 1784342.25 6311313.12
 PI () 0+32.07 1784336.24 6311318.81
 CC () 1784310.88 6311280.01
 PCC () 0+40.17 1784328.62 6311322.03
 Radius: 45.61
 Delta: 20° 34' 13" Right
 Degree of Curvature (Arc): 125° 37' 05"
 Length: 16.38
 Tangent: 8.28
 Chord: 16.29
 Middle Ordinate: 0.73
 External: 0.74
 Tangent Direction: S 43° 27' 32" E
 Radial Direction: S 46° 32' 28" W
 Chord Direction: S 33° 10' 26" E
 Radial Direction: S 67° 06' 40" W
 Tangent Direction: S 22° 53' 20" E

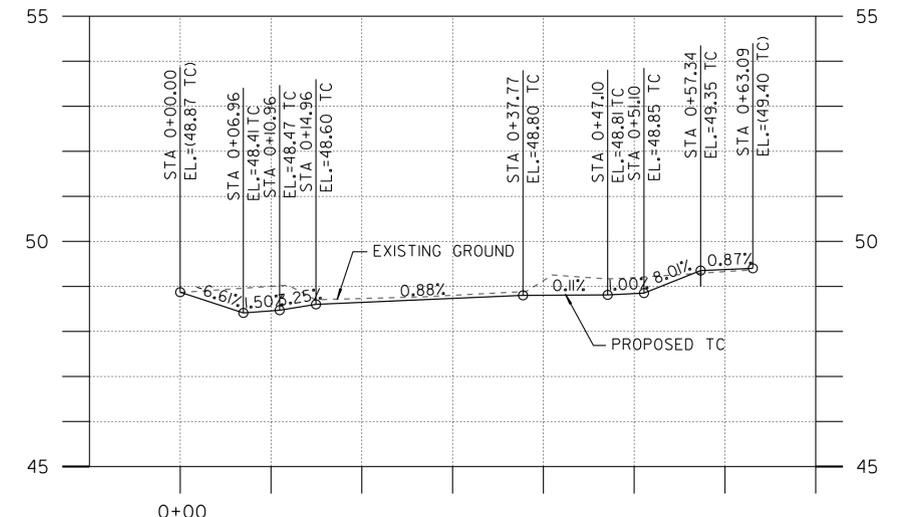
Element: Circular
 PCC () 0+40.17 1784328.62 6311322.03
 PI () 0+48.72 1784320.74 6311325.35
 CC () 1784300.81 6311256.17
 PT () 0+57.20 1784312.29 6311326.73
 Radius: 71.48
 Delta: 13° 38' 53" Right
 Degree of Curvature (Arc): 80° 09' 14"
 Length: 17.03
 Tangent: 8.55
 Chord: 16.99
 Middle Ordinate: 0.51
 External: 0.51
 Tangent Direction: S 22° 53' 20" E
 Radial Direction: S 67° 06' 40" W
 Chord Direction: S 16° 03' 53" E
 Radial Direction: S 80° 45' 33" W
 Tangent Direction: S 9° 14' 27" E

Horizontal Alignment Review Report
 Dairy Mart Island Ramp Site 1
 Station Northing Easting

Element: Circular
 PC () 0+00.00 1784450.56 6311272.12
 PI () 0+08.96 1784454.71 6311280.06
 CC () 1784632.55 6311177.05
 PT () 0+17.92 1784459.53 6311287.62
 Radius: 205.32
 Delta: 5° 00' 00" Left
 Degree of Curvature (Arc): 27° 54' 18"
 Length: 17.92
 Tangent: 8.96
 Chord: 17.91
 Middle Ordinate: 0.20
 External: 0.20
 Tangent Direction: N 62° 25' 09" E
 Radial Direction: S 27° 34' 51" E
 Chord Direction: N 59° 55' 09" E
 Radial Direction: S 32° 34' 51" E
 Tangent Direction: N 57° 25' 09" E



PROFILE DETAIL 1 - SHEET C-56
 SCALE
 1"=10' HORZ.
 1"=2' VERT.



PROFILE DETAIL 2 - SHEET C-56
 SCALE
 1"=10' HORZ.
 1"=2' VERT.

W SAN YSIDRO BL & SMYTHE AVE

Horizontal Alignment Review Report
 San Ysidro and Smythe W Ramp Site 4
 Station Northing Easting

Element: Linear
 POB () 0+00.00 1782500.83 6315291.31
 PC () 0+12.06 1782495.08 6315301.91
 Tangential Direction: S 61° 29' 31" E
 Tangential Length: 12.06

Element: Circular
 PC () 0+12.06 1782495.08 6315301.91
 PI () 0+19.47 1782491.54 6315308.42
 CC () 1782499.03 6315304.05
 PT () 0+21.29 1782498.95 6315308.55
 Radius: 4.50
 Delta: 117° 27' 39" Left
 Degree of Curvature (Arc): 1273° 14' 22"
 Length: 9.23
 Tangent: 7.41
 Chord: 7.69
 Middle Ordinate: 2.16
 External: 4.17
 Tangent Direction: S 61° 29' 31" E
 Radial Direction: S 28° 30' 29" W
 Chord Direction: N 59° 46' 40" E
 Radial Direction: S 88° 57' 09" E
 Tangent Direction: N 1° 02' 51" E

Element: Linear
 PT () 0+21.29 1782498.95 6315308.55
 POE () 0+53.55 1782531.21 6315309.14
 Tangential Direction: N 1° 02' 51" E
 Tangential Length: 32.27

Horizontal Alignment Review Report
 San Ysidro and Smythe S Curb
 Station Northing Easting

Element: Linear
 POB () 0+00.00 1782432.25 6315283.73
 PI () 0+06.96 1782429.00 6315289.89
 Tangential Direction: S 62° 12' 37" E
 Tangential Length: 6.96

Element: Linear
 PI () 0+06.96 1782429.00 6315289.89
 PI () 0+41.01 1782413.07 6315319.98
 Tangential Direction: S 62° 06' 06" E
 Tangential Length: 34.04

Element: Linear
 PI () 0+41.01 1782413.07 6315319.98
 POE () 0+63.09 1782402.69 6315339.47
 Tangential Direction: S 61° 57' 10" E
 Tangential Length: 22.09

C-62

SEWER AND AC WATER GROUP 1032
 CURB RAMP DETAIL 8

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 65 OF 70 SHEETS

APPROVED: *[Signature]* 03/03/2020
 FOR CITY ENGINEER: JANICE JARO
 PRINT SIZE NAME: RCE# C70770

WBS B-17104
 WBS B-17105

SUBMITTED BY: NEGIN AFAGH
 PROJECT MANAGER

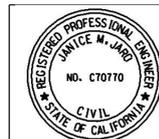
CHIEF BY: STUART OSBORNE
 PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	NA/SO	<i>[Signature]</i>	3/3/20	
ADDENDUM E	CV/CV	<i>[Signature]</i>	4/24/20	

142-1749
 CCS27 COORDINATE
 1782-6309
 CCS83 COORDINATE

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____

40915-65-D



DEMOLITION NOTES

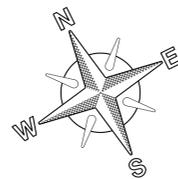
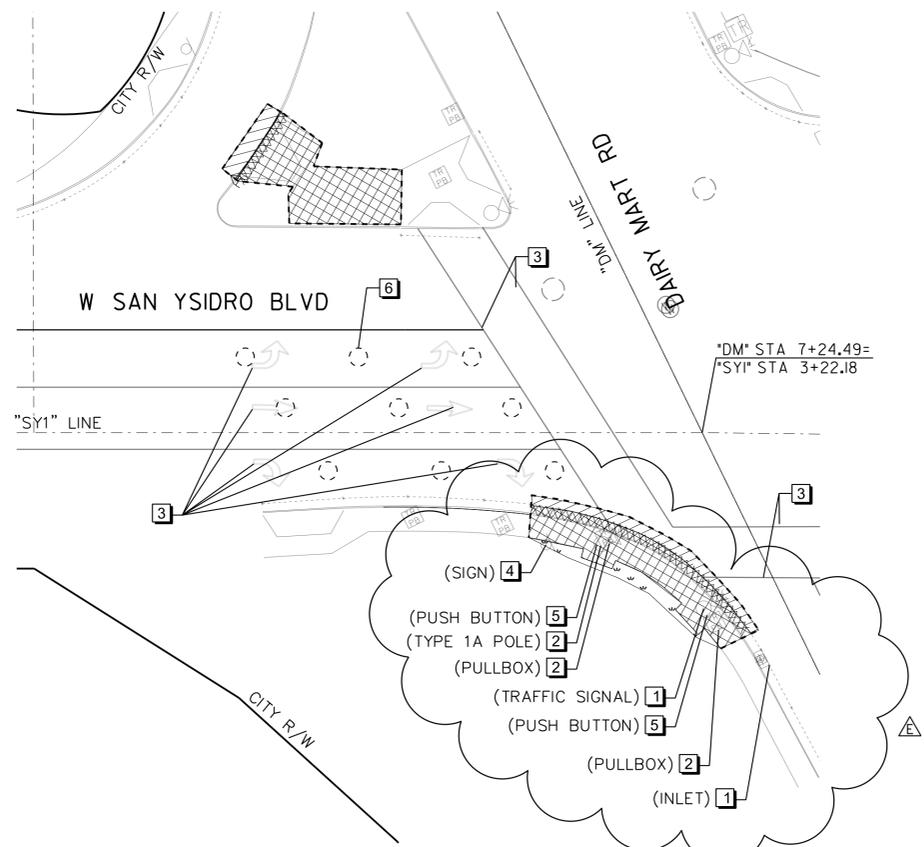
- 1 PROTECT IN PLACE
- 2 ADJUST EXISTING UTILITIES TO GRADE
- 3 SANDBLAST EXISTING TRAFFIC STRIPING
- 4 REMOVE AND REINSTALL
- 5 REMOVE EXISTING PEDESTRIAN PUSH BUTTON
- 6 REMOVE AND INSTALL LOOP DETECTORS

DEMOLITION LEGEND

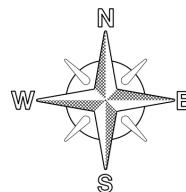
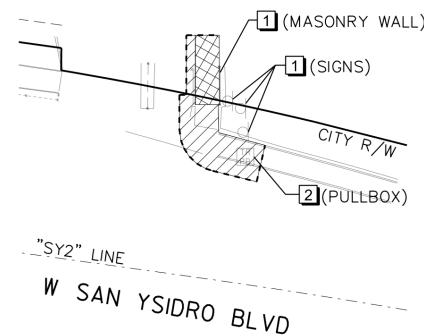
- SAWCUT -----
- REMOVE EXISTING ASPHALT PAVING [diagonal hatching]
- REMOVE EXISTING CONCRETE IMPROVEMENTS [cross-hatching]
- CLEAR AND GRUB [stippled]
- REMOVE EXISTING CURB [dashed line]

GENERAL NOTES

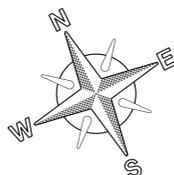
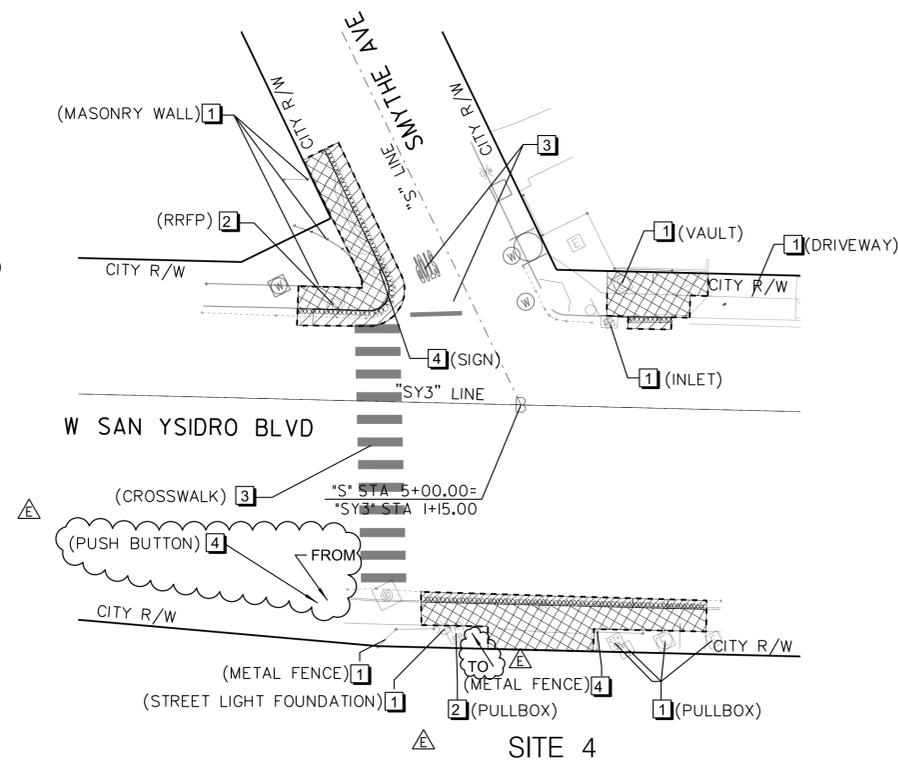
LOCATIONS AND CONNECTIONS OF LOOP DETECTORS ARE APPROXIMATE. CONTRACTOR AND RESIDENT ENGINEER TO VERIFY IN FIELD



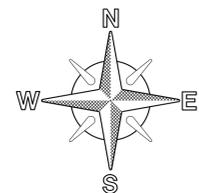
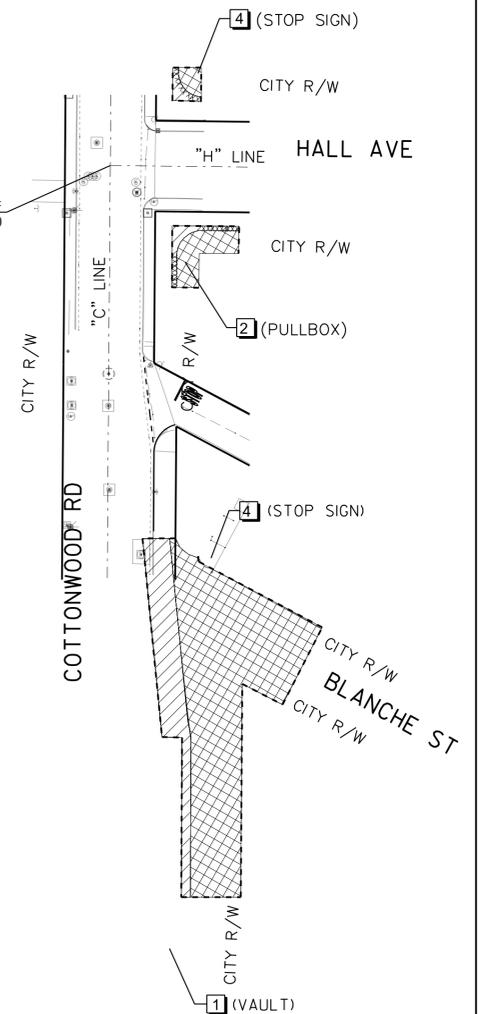
SITE 1



SITE 26



SITE 4



SITE 17 & 18

C-63

SEWER AND AC WATER GROUP 1032
DEMOLITION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 66 OF 70 SHEETS

WBS B-17104
WBS B-17105

APPROVED: [Signature] DATE 03/03/2020
FOR CITY ENGINEER JANICE JARO
PRINT DCE NAME: JANICE JARO RCE# C70770

SUBMITTED BY: NEGIN AFAGH
PROJECT MANAGER
CHECKED BY: STUART OSBORNE
PROJECT ENGINEER

DESCRIPTION BY APPROVED DATE FILMED

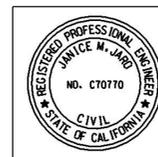
ORIGINAL NA/SO 3/3/20 142-1749

ADDENDUM E CV/CV 4/24/20 CCS27 COORDINATE

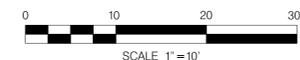
1782-6309

CCS83 COORDINATE

40915-66-D



CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED



▲ CURB RAMP UPDATED

ADDENDUM E

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM F



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00PM
JUNE 9, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

05/11/2020

Date

Seal:



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. SUPPLEMENTARY SPECIAL PROVISIONS

1. To the Contract Documents, page 36, **ADD** the following:

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

0-12 CONTRACT RECORDS AND REPORTS. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City’s authorized representatives.
3. You shall submit the following reports using the City’s web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or 2. delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure

to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

2. To SECTION 1, GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS, Subsection 1-2 TERMS AND DEFINITIONS, Items 43 Field Order, 102 Walk-Through, 108 Substantial Completion, 109 Acceptance of Work, and 110 Occupancy, pages 36 through 37, **DELETE** in their entirety and **SUBSTITUTE** with the following:
 43. **Field Order** - A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, "EXTRA WORK" or 2-9, "CHANGED CONDITIONS". A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract. The unused portion of the Field Order shall revert to the City upon Acceptance.
 102. **Walk-through** - An inspection the City uses to verify the completion of the Project or phase of the Project and to generate a Punchlist prior to Acceptance.
 108. **Acceptance** – When all of the Contract Work, including all Punchlist items, is deemed officially complete by the City Asset Owning Department or Deputy City Engineer.
 109. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.
 110. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.

3. To SECTION 1, GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS, Subsection 1-2 TERMS AND DEFINITIONS, page 37, **ADD** the following:

1-7.2 Contract Bonds. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Before execution of the Contract, file payment and performance bonds with the City to be approved by the Board in the amounts and for the purposes noted. Bonds shall be executed by a responsible surety as follows:
 - a) If the Work is being funded with state or local money, consistent with California Code of Civil Procedure §995.670, the Surety shall be an "admitted surety" authorized by the State of California Department of Insurance to transact surety insurance in the State.
 - b) If the Work is being funded with federal money, the Surety shall be listed in the U.S. Treasury Department Circular 570 and shall be in conformance with the specified Underwriting Limitations.

To the "WHITEBOOK", item 2, subsection "a", subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i. A "Payment Bond" (Materials and Labor Bond) is optional. If no bond is submitted, no payment shall be made until 35 Calendar Days after Acceptance and any lien requirements have been fulfilled. If a bond is submitted, progress payments shall be made in accordance with these Specifications.

To the "WHITEBOOK", item 2, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) For Contracts over \$100,000:
 - i. A "Payment Bond" (Materials and Labor Bond) for 100% of the Contract Price to satisfy claims of material Suppliers and of mechanics and laborers employed on the Work. You shall maintain the bond in full force and effect until Acceptance and until all claims for materials and labor are paid and shall otherwise comply with the Government Code.
 - ii. A "Faithful Performance Bond" for 100% of the Contract Price to guarantee faithful performance of Work, within

the time prescribed and in a manner satisfactory to the City, that materials and workmanship shall be free from original or developed defects.

To the "WHITEBOOK", item 7, DELETE in its entirety and SUBSTITUTE with the following:

7. You shall require the Surety to mail its standard "Bond Status" form to the Engineer at the following address:

Deputy Director
Construction Management and Field Engineering Division
9573 Chesapeake Drive San Diego, CA 92123

4. To SECTION 3, CONTROL OF WORK, Subsection 3-13.1.2, Walk-Through and Punchlist Procedure, Item 8, page 42, **DELETE** in its entirety and **SUBSTITUTE** with the following:

8. The Engineer shall meet with you within 5 Working Days of notification that all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days; and Working Days will continue to be counted until Acceptance of the Project.

5. To SECTION 7, MEASUREMENT AND PAYMENT, Subsection 7-3.1, General, page 56, **DELETE** in its entirety and **SUBSTITUTE** with the following:

7-3.1 GENERAL. To the "GREENBOOK" and "WHITEBOOK", paragraph (8), DELETE in its entirety and SUBSTITUTE with the following:

If, within the time fixed by law, a properly executed notice to stop payment is filed with the City, due to your failure to pay for labor or materials used in the Work, all money due for such labor or materials will be withheld from payment in accordance with applicable laws.

To the "WHITEBOOK", ADD the following:

1. Unless specified otherwise, the Contract Price includes use, consumer, and other taxes mandated by applicable legal requirements.
2. As provided in §7105 of the California Public Contract Code, if the Contract is not financed by revenue bonds, you are not responsible for the cost of repairing or restoring damage to the Project when damage was proximately caused by an act of God, in excess of 5% of the Contract Price, if the following occur:
 - a) The Project damaged was built in accordance with the Contract requirements.

- b) There are no insurance requirements in the Contract for the damages.
3. The payment for all work associated to replacing the Storm Drain grate shall be included in the bid item for "ADA Compliant Storm Drain Grate Replacement".
4. The payment for all work associated to the installation of protection posts shall be included in the bid item for "Protection Post". The protection post for Fire Hydrants shall be in accordance with SDW-104 and WM-04 and Protection posts for curb ramps shall be in accordance with WM-04.
5. The payment for all work associated to removal and installation of Pedestrian Push Button shall be included in the Bid Item for "Pedestrian Push Button".
6. To SECTION 7, MEASUREMENT AND PAYMENT, Subsection 7-3.2, Partial and Final Payment, page 57, **ADD** the following:

To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents:
 - a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.
 - b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.
 - c) Consent of Surety to Final Payment.
 - d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
 - e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
 - f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record

drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.

- g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

- 2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments.

- 7. To SECTION 7, MEASUREMENT AND PAYMENT, Subsection 7-3.2, Partial and Final Payment, page 57, **ADD** the following:

7-3.2.2 AMOUNT OF PROGRESS PAYMENTS. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

- 1. The City will pay 6% annually for late progress payments.
- 2. Progress payments will be considered "late" if the following occur:
 - a) The City does not pay the contractor within 30 Calendar Days from receipt of an undisputed and properly submitted invoice. A properly submitted payment invoice means that the City has approved for payment the entire invoice amount or if the Resident Engineer has not disputed any portion of the application within 7 Calendar Days of the date of submission.
 - b) The application for payment does not require signing of a Contract Change Order.
- 3. The Engineer may withhold payment for any of the following reasons:
 - a) Defective or incomplete Work.
 - b) Not providing an updated and accurate Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule".
 - c) Stop notices, wage orders, or other withholdings required by Applicable Law. Your failure to comply with 5-3.3, "Payroll Records" and the Contractor Registration and Electronic Reporting System requirements of the Contract Documents.

4. The Engineer may back charge the contract for any of the following reasons:
 - a) Defective or incorrect Work not remedied.
 - b) Damage to City property or a third party's property that was caused by you.
 - c) Liquidated Damages.

7-3.2.3 Waiver of Claims At Final Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your acceptance of Final Payment constitutes a waiver of affirmative Claims by you, except those previously made in writing and identified as unsettled at the time of Final Payment.

7-3.2.4 Withholding of Payment And Back Charge. To the "WHITEBOOK", DELETE in its entirety.

8. To SECTION 7, MEASUREMENT AND PAYMENT, Subsection 7-3.5.1, General, page 57, **ADD** the following:
 3. Upon discovery and prior to the Work, you shall notify the Resident Engineer if there is a change in Bid item quantity that increases the total Contract Price by 5% or \$100,000 or more, whichever is less.

James Nagelvoort, Director
Public Works Department

Dated: *May 12, 2020*
San Diego, California

JN/RB/wf

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM G



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00 PM
JUNE 30, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

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.**

James Nagelvoort, Director
Public Works Department

Dated: *May 29, 2020*
San Diego, California

JN/RB/wf

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM H



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00 PM
JULY 23, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

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.**

James Nagelvoort, Director
Public Works Department

Dated: *June 3, 2020*
San Diego, California

JN/RB/wf

City of San Diego

CITY CONTACT Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM I



FOR

SEWER AND AC WATER GROUP 1032

BID NO.:	<u>K-20-1933-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17104, B-17105</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>8</u>
PROJECT TYPE:	<u>JA, KB</u>

BID DUE DATE:

2:00 PM
JULY 23, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer

07/13/2020

Date

Seal:



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. BIDDER'S QUESTIONS

Q1. There are a handful of 2" blow-offs called out on the plans to be installed, but no bid item. Can the city please release a new bid schedule with a bid item for these blow offs?

A1. Bid List to be updated to include three (3) 2" BO

Q2. Bid Item 21 – Pavement Restoration Adjacent to the Trench – This item has a quantity of 29,020 SF, which is very specific, but there is nowhere on the plans that shows where the quantity is derived from. Can you please at least provide an approximate amount of locations where this additional pavement will be needed?

A2. Bid Item 21 for Pavement Restoration Adjacent to Trench is an estimated quantity. Please bid as is.

Q3. Bid Item 63 – Additional Bedding – This item has a quantity of 806 CY, which is very specific, but there is nowhere on the plans that describes where this quantity is derived from. Can you please provide locations of where the city believes additional bedding will be needed?

A3. Bid Item 63 for Additional Bedding is an estimated quantity. Please bid as is.

Q4. Bid Item 98 – Temporary Resurfacing – This item has a quantity of 1,223 tons, which is very specific, but there is nowhere on the plans or specifications that describes where this quantity is derived from. Is this bid item meant to pay for temporary resurfacing of trenches? Or of something else? Please provide locations or a description of when this item will be used.

A4. Bid Item 98 for Temporary Resurfacing is an estimated quantity. Please bid as is.

Q5. Bid Item 126 – Contractor Furnished Materials for the City Forces High-Line Work – This item has a quantity of 5504 LF, which is very specific, but all of the highline notes on the plans call out for materials to be provided by the

city. Can you please provide the streets, locations, etc that are included for this 5504 LF? The cost will be much different depending on how many services, hydrants, etc.

- A5. Bid Item 126 for Contractor Furnished Materials for the City Forces High-line Work is an estimated quantity based on the City Forces sheet. Bid as is.
- Q6. Can the city please provide additional information regarding the potential for encountering HAZARDOUS water during the dewatering process? Bid Item 6 is a Lump Sum Item, and with no information, it has the potential to be a very uneven playing field. Can the city make Bid Item 6 an allowance item?
- A6. Contractor to refer to Section 5-15.2.1 for the Geotracker Website as well as the Geotechnical Report referenced in Section 3-9 in this Special Provisions and bid accordingly.
- Q7. 460 working days or Calendar days? The Bid documents have it written both ways.
- A7. 460 days is Working Days.

C. NOTICE INVITING BIDS

- 1. To Item 3, Estimated Construction Cost, page 6, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 - 3. **ESTIMATED CONSTRUCTION COST:** The City’s estimated construction cost for this project is **\$13,660,000**.

D. ADDITIONAL CHANGES

- 1. The following are additional changes to the Line Items in the PlanetBids Tab:
 For clarity where applicable, **ADDITIONS**, if any, have been **Underlined** and **DELETIONS**, if any, have been **Stricken-out**.

Section	Item Code	Description	Uo M	Quantity	Payment Reference
Main Bid	<u>237110</u>	<u>Blow-Off Valve Assembly (2 Inch)</u>	<u>EA</u>	<u>3</u>	<u>306-15.8</u>

James Nagelvoort, Director
Public Works Department

Dated: *July 13, 2020*
San Diego, California

JN/RB/wf

Bid Results

Bidder Details

Vendor Name KTA Construction, Inc.
Address 821 Tavern Rd.
 Alpine, CA 91901
 United States
Respondee Mike Henderson
Respondee Title President
Phone 619-562-9464 Ext.
Email adam@ktaconstruction.com
Vendor Type PQUAL,CADIR,Local
License # 398284
CADIR 1000008298

Bid Detail

Bid Format Electronic
Submitted July 23, 2020 1:58:39 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 221192
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Certification	COMPLETE Certification of Pending Actions.pdf	CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS
Sub Alternates	COMPLETE Subcontractor Add-Deduct Alternate.pdf	SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE
Disclosure	COMPLETE Mandatory Disclosure of Business Interest.pdf	MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM
Debarment Prime	COMPLETE KTA Debarment and Suspension Certification.pdf	DEBARMENT AND SUSPENSION CERTIFICATION (PRIME CONTRACTOR)
debarment subs	Subcontractor Debarment and Suspension Certification.pdf	DEBARMENT AND SUSPENSION CERTIFICATION (SUBCONTRACTORS/SUPPLIERS/MANUFACTURERS)
Bid Bond	COMPLETE Bid Bond.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
	Main Bid					
1	Bonds (Payment and Performance)					
	524126	LS	1	\$93,000.00	\$93,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
2	Caltrans Encroachment Permit (EOC Type I)					
	237310	AL	1	\$5,500.00	\$5,500.00	
3	Remote Control Camera Inspection (EOC Type II)					
	334290	AL	1	\$20,000.00	\$20,000.00	
4	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$35,000.00	\$35,000.00	
5	Dewatering Permit and Discharge Fees (EOC Type I)					
	237110	AL	1	\$25,000.00	\$25,000.00	
6	Dewatering Hazardous Contaminated Water					
	237110	LS	1	\$10,000.00	\$10,000.00	
7	Dewatering Non-Hazardous Contaminated Water					
	237110	LS	1	\$10,000.00	\$10,000.00	
8	Paleontological Monitoring Program					
	541690	LF	5490	\$7.00	\$38,430.00	
9	Suspension of Work - Resources					
	541690	DAY	5	\$500.00	\$2,500.00	
10	Paleontological Mitigation and Excavation					
	541690	CY	1732	\$1.00	\$1,732.00	
11	Remove and Relocate Existing Sign and Post					
	238990	EA	23	\$300.00	\$6,900.00	
12	Protection Post					
	237310	EA	14	\$1,000.00	\$14,000.00	
13	Mobilization					
	237110	LS	1	\$400,000.00	\$400,000.00	
14	Field Orders (EOC Type II)					
		AL	1	\$600,000.00	\$600,000.00	
15	Asphalt Pavement Repair					
	237310	TON	200	\$240.00	\$48,000.00	
16	Subgrade Imported Backfill					
	237310	TON	639	\$100.00	\$63,900.00	
17	Class 2 Aggregate Base					
	237310	TON	560	\$100.00	\$56,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
18	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	349035	\$0.30	\$104,710.50	
19	Rubber Polymer Modified Slurry (RPMS) Type II					
	237310	SF	625514	\$0.40	\$250,205.60	
20	Rubber Polymer Modified Slurry (RPMS) Type III					
	237310	SF	276479	\$0.44	\$121,650.76	
21	Pavement Restoration Adjacent to Trench					
	237310	SF	29020	\$9.00	\$261,180.00	
22	Concrete Pavement (5 1/2 - 6 1/2 Inch Thick)					
	238910	CY	901	\$420.00	\$378,420.00	
23	Concrete Pavement (9 1/2 Inch Thick)					
	238910	CY	96	\$500.00	\$48,000.00	
24	Bus Stop Pad					
	237310	CY	27	\$800.00	\$21,600.00	
25	Crack Seal					
	237310	LB	12510	\$8.00	\$100,080.00	
26	Historical and Contractor Date Stamps and Impressions					
	237310	EA	45	\$120.00	\$5,400.00	
27	Additional Curb and Gutter Removal and Replacement					
	237310	LF	207	\$42.00	\$8,694.00	
28	Additional Sidewalk Removal and Replacement					
	237310	SF	820	\$15.00	\$12,300.00	
29	Cross Gutter					
	237310	SF	760	\$20.00	\$15,200.00	
30	Residential Concrete Driveway					
	237310	SF	745	\$25.00	\$18,625.00	
31	Commercial Concrete Driveway					
	237310	SF	410	\$25.00	\$10,250.00	
32	Alley Apron					
	237310	SF	182	\$20.00	\$3,640.00	
33	Island Passageway with Stainless Steel Detectable Warning Tile Per SDG-139 & per 40915-59-D					
	237310	LS	1	\$7,000.00	\$7,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
34	Curb Ramp (Type C1) with Detectable Warning Tiles 237310	EA	1	\$4,000.00	\$4,000.00	
35	Curb Ramp (Type D) with Detectable Warning Tiles 237310	EA	1	\$3,600.00	\$3,600.00	
36	Curb Ramp (Type C1, Per 40915-62-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 6 237310	EA	1	\$4,000.00	\$4,000.00	
37	Curb Ramp Modified (Type B, Per 40915-59-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 1 237310	EA	1	\$3,600.00	\$3,600.00	
38	Curb Ramp Modified (Type C2, Per 40915-59-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 4A 237310	EA	1	\$4,200.00	\$4,200.00	
39	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles 237310	EA	20	\$4,000.00	\$80,000.00	
40	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles 237310	EA	19	\$4,000.00	\$76,000.00	
41	Curb Ramp (Type D) with Stainless Steel Detectable Warning Tiles 237310	EA	3	\$3,600.00	\$10,800.00	
42	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles 237310	EA	6	\$4,000.00	\$24,000.00	
43	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles 237310	EA	1	\$4,100.00	\$4,100.00	
44	Curb Ramp Modified (Type C2, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 13 237310	EA	1	\$4,500.00	\$4,500.00	
45	Curb Ramp Modified (Type C1, Per 40915-64-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 9 237310	EA	1	\$4,200.00	\$4,200.00	
46	Curb Ramp Modified (Type C1, Per 40915-58-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 9A 237310	EA	1	\$4,200.00	\$4,200.00	
47	Curb Ramp Modified (Type B, Per 40915-58-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 11 237310	EA	1	\$4,000.00	\$4,000.00	
48	Curb Ramp Modified (Type C1, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 12 237310	EA	1	\$3,600.00	\$3,600.00	
49	Curb Ramp Modified (Type C1, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 14 & 14A 237310	EA	2	\$4,200.00	\$8,400.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
50	Curb Ramp Modified (Type D, Per 40915-63-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 19					
	237310	EA	1	\$3,600.00	\$3,600.00	
51	Curb Ramp Modified (Type C1, Per 40915-61-D) with Detectable Warning Tiles, Curb Ramp 19B					
	237310	EA	1	\$4,300.00	\$4,300.00	
52	Curb Ramp Modified (Type C1, Per 40915-61-D) with Detectable Warning Tiles, Curb Ramp 20					
	237310	EA	1	\$4,200.00	\$4,200.00	
53	Curb Ramp Modified (Type D, Per 40915-63-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 19A					
	237310	EA	1	\$3,600.00	\$3,600.00	
54	Phased Paving					
	237110	EA	6	\$7,500.00	\$45,000.00	
55	ADA Compliant Storm Drain Grate Replacement					
	237110	EA	2	\$2,000.00	\$4,000.00	
56	Abandon and Fill Existing Water Main Outside of the Trench Limit					
	237110	LF	5599	\$10.00	\$55,990.00	
57	Abandon and Fill Existing Sewer Main (6 Inch) Outside of the Trench Limit					
	237110	LF	200	\$10.00	\$2,000.00	
58	Abandon and Fill Existing Sewer Main (8 Inch) Outside of the Trench Limit					
	237110	LF	2060	\$10.00	\$20,600.00	
59	Abandon and Fill Existing Sewer Main (10 Inch) Outside of the Trench Limit					
	237110	LF	1040	\$10.00	\$10,400.00	
60	Abandon and Fill Existing Sewer Main (12 Inch) Outside of the Trench Limit					
	237110	LF	84	\$10.00	\$840.00	
61	Abandon Existing Manhole Outside of the Trench Limit					
	237110	EA	4	\$2,400.00	\$9,600.00	
62	Handling and Disposal of Non-friable Asbestos Material					
	237110	LF	14258	\$8.00	\$114,064.00	
63	Additional Bedding					
	237110	CY	806	\$1.00	\$806.00	
64	Water Main (8 Inch)					
	237110	LF	4358	\$106.00	\$461,948.00	
65	Water Main (12 Inch)					
	237110	LF	4590	\$140.00	\$642,600.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
66	Water Main (16 Inch) 237110	LF	2752	\$206.00	\$566,912.00	
67	Water Main (20 Inch) 237110	LF	10	\$250.00	\$2,500.00	
68	Water Main (12 Inch, Class 305) 237110	LF	891	\$138.00	\$122,958.00	
69	Water Main (16 Inch, Class 305) 237110	LF	839	\$216.00	\$181,224.00	
70	Sewer Main (8 Inch) 237110	LF	2676	\$137.00	\$366,612.00	
71	Sewer Main (10 Inch) 237110	LF	1487	\$155.00	\$230,485.00	
72	Sewer Main (12 Inch) 237110	LF	974	\$165.00	\$160,710.00	
73	Sewer Main (15 Inch) 237110	LF	1520	\$180.00	\$273,600.00	
74	Sewer Main (8 Inch, SDR-26) 237110	LF	3343	\$138.00	\$461,334.00	
75	Sewer Main (10 Inch, SDR-26) 237110	LF	656	\$157.00	\$102,992.00	
76	Sewer Main (12 Inch, SDR-26) 237110	LF	587	\$280.00	\$164,360.00	
77	Sewer Main (15 Inch, SDR-26) 237110	LF	924	\$204.00	\$188,496.00	
78	Engineered Trench Shoring 237110	LS	1	\$60,000.00	\$60,000.00	
79	Butterfly Valve 20 Inch 237110	EA	1	\$8,000.00	\$8,000.00	
80	Gate Valve (8 Inch) 237110	EA	31	\$1,800.00	\$55,800.00	
81	Gate Valve (12 Inch) 237110	EA	29	\$2,800.00	\$81,200.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
82	Gate Valve (16 Inch)					
	237110	EA	7	\$9,200.00	\$64,400.00	
83	Fire Hydrant Assembly and Marker (6 Inch) - 2 port					
	237110	EA	2	\$8,400.00	\$16,800.00	
84	Fire Hydrant Assembly and Marker (6 Inch) - 3 port					
	237110	EA	51	\$9,000.00	\$459,000.00	
85	Fire Service Connection and Assembly (1 Inch)					
	237110	EA	1	\$3,000.00	\$3,000.00	
86	Fire Service Connection and Assembly (4 Inch)					
	237110	EA	3	\$10,800.00	\$32,400.00	
87	Fire Service Connection and Assembly (6 Inch)					
	237110	EA	4	\$11,100.00	\$44,400.00	
88	Fire Service Connection and Assembly (8 Inch)					
	237110	EA	2	\$11,300.00	\$22,600.00	
89	Water Service (1 Inch)					
	237110	EA	292	\$2,800.00	\$817,600.00	
90	Water Service (2 Inch)					
	237110	EA	62	\$4,500.00	\$279,000.00	
91	Water Service (4 Inch)					
	237110	EA	11	\$10,800.00	\$118,800.00	
92	Water Service (6 Inch)					
	237110	EA	4	\$11,100.00	\$44,400.00	
93	Water Service (8 Inch)					
	237110	EA	1	\$12,000.00	\$12,000.00	
94	Meter Boxes					
	237110	EA	2	\$1,000.00	\$2,000.00	
95	Blow-Off Valve Assembly (2 Inch)					
	237110	EA	3	\$7,200.00	\$21,600.00	
96	Blow-Off Valve Assembly (4 Inch)					
	237110	EA	2	\$10,000.00	\$20,000.00	
97	Air and Vacuum (Air Release) Valve Assembly (1 Inch)					
	237110	EA	3	\$6,000.00	\$18,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
98	Air and Vacuum (Air Release) Valve Assembly (4 Inch)					
	237110	EA	1	\$9,700.00	\$9,700.00	
99	Temporary Resurfacing					
	237310	TON	1223	\$134.00	\$163,882.00	
100	Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains					
	237110	EA	37	\$1,000.00	\$37,000.00	
101	Imported Trench Backfill					
	237110	TON	7053	\$30.00	\$211,590.00	
102	Manhole (4 ft x 3 Ft)					
	237110	EA	52	\$6,500.00	\$338,000.00	
103	Manhole (PVC Lined, 4 Ft x 3 ft)					
	237110	EA	4	\$14,000.00	\$56,000.00	
104	Connection to Existing Manhole and Rechanneling (40915-05-D, MH 9)					
	237110	EA	1	\$2,000.00	\$2,000.00	
105	Sewer Lateral and Cleanout (4 Inch, Street)					
	237110	EA	197	\$4,000.00	\$788,000.00	
106	Sewer Lateral and Cleanout (8 Inch, Street)					
	237110	EA	1	\$4,800.00	\$4,800.00	
107	Sewer Lateral with Private Replumbing (4 Inch)					
	237110	EA	4	\$21,300.00	\$85,200.00	
108	Video Inspection of Pipelines and Culverts for Acceptance					
	237110	LF	12167	\$2.50	\$30,417.50	
109	Condition Assessment of Storm Drain Culvert					
	237110	LS	1	\$7,500.00	\$7,500.00	
110	Trenchless Sewer Main Installation (8 Inch, SDR-26)					
	237110	LF	200	\$300.00	\$60,000.00	
111	Trenchless Water Main Installation (12 Inch)					
	237110	LF	200	\$250.00	\$50,000.00	
112	Removal and Replacement of Existing Paint Striping					
	237310	LS	1	\$30,000.00	\$30,000.00	
113	Continental Crosswalks					
	237310	SF	2623	\$3.00	\$7,869.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
114	Fusible Pressure PVC Pipe- 8 Inch					
	237110	LF	3265	\$120.00	\$391,800.00	
115	Video Recording of Existing Conditions					
	238990	LS	1	\$2,500.00	\$2,500.00	
116	Adjust Existing Manhole Frame and Cover to Grade					
	237310	EA	1	\$2,500.00	\$2,500.00	
117	Adjust Existing Survey Monument to Grade					
	237310	EA	1	\$3,000.00	\$3,000.00	
118	Traffic Signal Loop and Appurtenance Replacement (Type E)					
	237310	EA	14	\$500.00	\$7,000.00	
119	Traffic Signal Loop and Appurtenance Replacement (Type E Modified)					
	237310	EA	7	\$600.00	\$4,200.00	
120	Rehabilitate Existing Manhole with Cured-In-Place Manhole Liner (40915-05-D, MH 9)					
	237110	VF	12	\$470.00	\$5,640.00	
121	Traffic Control and Working Drawings					
	541330	LS	1	\$100,000.00	\$100,000.00	
122	Flashing Arrow Boards					
	237310	LS	1	\$3,000.00	\$3,000.00	
123	Protective Railing at Curb Ramps (Type A)					
	237310	EA	1	\$5,000.00	\$5,000.00	
124	Pedestrian Barricade (Type A)					
	237310	EA	4	\$1,000.00	\$4,000.00	
125	Pedestrian Push Button					
	237310	EA	10	\$1,000.00	\$10,000.00	
126	Traffic Detector Loop Stub					
	238210	EA	9	\$850.00	\$7,650.00	
127	Contractor Furnished Materials for the City Forces High-line Work					
	237110	LF	5504	\$15.00	\$82,560.00	
128	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16-inch and Larger					
	237110	LS	1	\$20,000.00	\$20,000.00	
129	Pavement Restoration for Final Connection					
	237110	SF	3400	\$16.00	\$54,400.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
130	WPCP Development					
	541330	LS	1	\$1.00	\$1.00	
131	WPCP Implementation					
	237110	LS	1	\$200,000.00	\$200,000.00	
Subtotal					\$12,212,058.36	
Alternate A						
132	Preparation of Hazardous Waste Management Plan and Reporting					
	238990	LS	1	\$10,000.00	\$10,000.00	
133	Monitoring of Contaminated Soil					
	541690	HR	15	\$250.00	\$3,750.00	
134	Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil					
	238990	TON	450	\$25.00	\$11,250.00	
135	Loading, Transportation, and Disposal of Petroleum Contaminated Soil					
	238990	TON	450	\$70.00	\$31,500.00	
136	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water					
	238990	GAL	55	\$35.00	\$1,925.00	
137	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Non-RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water					
	238990	GAL	55	\$35.00	\$1,925.00	
Subtotal					\$60,350.00	
Alternate B						
138	High-lining Installation by the Contractor					
	237110	LF	33390	\$11.00	\$367,290.00	
139	High-lining Removed by the Contractor					
	237110	LF	33390	\$5.00	\$166,950.00	
140	Furnished Materials for Contractor High-line Work					
	237110	LF	33390	\$4.00	\$133,560.00	
141	Contractor Furnished Materials for the City Forces High-line Work (Deductive)					
	237110	LF	5504	(\$15.00)	(\$82,560.00)	
Subtotal					\$585,240.00	
Alternate C						
142	Connections to the Existing System by Contractor (16 Inch)					
	237110	EA	3	\$6,500.00	\$19,500.00	
143	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16 inch and Larger (Deductive)					
	237110	LS	1	(\$20,000.00)	(\$20,000.00)	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
144	Connections to the Existing System by Contractor (8 Inch through 12 Inch)					
	237110	EA	34	\$5,200.00	\$176,800.00	
145	Cut and Plug by Contractor					
	237110	EA	42	\$6,000.00	\$252,000.00	
Subtotal					\$428,300.00	
Alternate D						
146	Asphalt Concrete Overlay					
	237310	TON	5300	\$110.00	\$583,000.00	
147	Road Lump					
	237310	TON	0.84	\$3,000.00	\$2,520.00	
148	Pavement Fabric					
	237310	SY	560	\$20.00	\$11,200.00	
149	Cold Milling Full Width					
	237310	SF	344383	\$0.60	\$206,629.80	
Subtotal					\$803,349.80	
Alternate E						
150	Rubber Polymer Modified Slurry (RPMS) Type I (Deductive)					
	237310	SF	208946	(\$0.22)	(\$45,968.12)	
151	Rubber Polymer Modified Slurry (RPMS) Type II (Deductive)					
	237310	SF	344383	(\$0.33)	(\$113,646.39)	
152	Rubber Polymer Modified Slurry (RPMS) Type III (Deductive)					
	237310	SF	135437	(\$0.37)	(\$50,111.69)	
153	Crack Seal (Deductive)					
	237310	LB	6888	(\$8.00)	(\$55,104.00)	
Subtotal					(\$264,830.20)	
Alternate F						
154	Storm Water BMP Filterra Unit					
	237310	EA	1	\$68,000.00	\$68,000.00	
Subtotal					\$68,000.00	
Total					\$13,892,467.96	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
Cell-Crete Corporation 135 E Railroad Ave Monrovia, CA 91016 United States	abandonment	243404	100000262	\$29,050.00	
TL Scanlan Construction, Inc. 2308 Shaylene Way Alpine, CA 91901 United States	replumbs, sewer partial	1008991	1000036079	\$505,000.00	SLBE
Pavement Coatings 10240 San Sevaine Way Jurupa Valley, CA 91752 United States	Slurry Seal	303609 PlanetBids, Inc.	1000003382	\$386,660.67	PQUAL,CADIR

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
California Auger Boring 3040 E. Coronado St. Anaheim, CA 92865 United States	trenchless pipe	926950	1000004248	\$90,200.00	
Southwest Signal Services 9201 isaac st ste A santee, CA 92071 United States	Traffic Loops	451115	1000004265	\$23,925.00	
Underground Solutions Inc 13135 danielson st ste 201 poway, CA 92064 United States	Fusible PVC	972794	1000051975	\$72,450.00	
Zebtron P.O. Box 2874 Newport Beach, CA 92659 United States	manhole rehab	855170	1000004993	\$11,700.00	
Statewide Stripes Inc. PO Box 600710 San Diego, CA 92160 United States	Striping	788286	1000001334	\$42,576.38	DBE,CADIR
R & C Structures 1615 La Mirada Dr San Diego, CA 92078 United States	Manholes	425215	1000004446	\$37,356.00	
Nu-Line Technologies, LLC 102 Second Street, Suite B Encinitas, CA 92024 United States	CCTV	997520	1000003808	\$20,075.55	FEM,MBE,CADIR,W BE
Jerusalem Construction, Inc. DBA Miramar General Engineering 1827 Cleveland Ave National City, CA 91950 United States	concrete flatwork	1009541	1000033057	\$728,259.00	PQUAL,CADIR
CODE 3 Media 663 S Rancho Santa Fe Suite 177 San Marcos, CA 92078 United States	precon video	na	1000055028	\$1,700.00	ELBE
Cali Construction 8996 Miramar Rd Ste 250-16 San Diego , CA 92126 United States	AC Paving	948657	1000461918	\$1,456,765.00	DBE
McGrath Consulting PO Box 2488 El Cajon, CA 92021 United States	WPCP	na	1000037165	\$600.00	

Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	KTA Construction, Inc. - Unit Price	KTA Construction, Inc. - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$93,000.00	\$93,000.00
2	Main Bid	237310	Caltrans Encroachment Permit (EOC Type I)	2-2.3	AL	1	\$5,500.00	\$5,500.00
3	Main Bid	334290	Remote Control Camera Inspection (EOC Type II)	3-5.1.6	AL	1	\$20,000.00	\$20,000.00
4	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	3-12.5.4	LS	1	\$35,000.00	\$35,000.00
5	Main Bid	237110	Dewatering Permit and Discharge Fees (EOC Type I)	3-12.8.8	AL	1	\$25,000.00	\$25,000.00
6	Main Bid	237110	Dewatering Hazardous Contaminated Water	3-12.8.8	LS	1	\$10,000.00	\$10,000.00
7	Main Bid	237110	Dewatering Non-Hazardous Contaminated Water	3-12.8.8	LS	1	\$10,000.00	\$10,000.00
8	Main Bid	541690	Paleontological Monitoring Program	6-6.2.2.1	LF	5490	\$7.00	\$38,430.00
9	Main Bid	541690	Suspension of Work - Resources	6-6.2.1.1 OR 6-6.2.2.1	DAY	5	\$500.00	\$2,500.00
10	Main Bid	541690	Paleontological Mitigation and Excavation	6-6.2.4.1	CY	1732	\$1.00	\$1,732.00
11	Main Bid	238990	Remove and Relocate Existing Sign and Post	7-3.1	EA	23	\$300.00	\$6,900.00

12	Main Bid	237310	Protection Post	7-3.1	EA	14	\$1,000.00	\$14,000.00
13	Main Bid	237110	Mobilization	7-3.4.1	LS	1	\$400,000.00	\$400,000.00
14	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$600,000.00	\$600,000.00
15	Main Bid	237310	Asphalt Pavement Repair	301-1.7	TON	200	\$240.00	\$48,000.00
16	Main Bid	237310	Subgrade Imported Backfill	301-1.7	TON	639	\$100.00	\$63,900.00
17	Main Bid	237310	Class 2 Aggregate Base	301-2.4	TON	560	\$100.00	\$56,000.00
18	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	349035	\$0.30	\$104,710.50
19	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	625514	\$0.40	\$250,205.60
20	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type III	302-4.12.4	SF	276479	\$0.44	\$121,650.76
21	Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	29020	\$9.00	\$261,180.00
22	Main Bid	238910	Concrete Pavement (5 1/2 - 6 1/2 Inch Thick)	302-6.8	CY	901	\$420.00	\$378,420.00
23	Main Bid	238910	Concrete Pavement (9 1/2 Inch Thick)	302-6.8	CY	96	\$500.00	\$48,000.00
24	Main Bid	237310	Bus Stop Pad	302-6.8	CY	27	\$800.00	\$21,600.00
25	Main Bid	237310	Crack Seal	302-15.5	LB	12510	\$8.00	\$100,080.00
26	Main Bid	237310	Historical and Contractor Date Stamps and Impressions	303-5.9	EA	45	\$120.00	\$5,400.00

27	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	207	\$42.00	\$8,694.00
28	Main Bid	237310	Additional Sidewalk Removal and Replacement	303-5.9	SF	820	\$15.00	\$12,300.00
29	Main Bid	237310	Cross Gutter	303-5.9	SF	760	\$20.00	\$15,200.00
30	Main Bid	237310	Residential Concrete Driveway	303-5.9	SF	745	\$25.00	\$18,625.00
31	Main Bid	237310	Commercial Concrete Driveway	303-5.9	SF	410	\$25.00	\$10,250.00
32	Main Bid	237310	Alley Apron	303-5.9	SF	182	\$20.00	\$3,640.00
33	Main Bid	237310	Island Passageway with Stainless Steel Detectable Warning Tile Per SDG-139 & per 40915-59-D	303-5.10.2	LS	1	\$7,000.00	\$7,000.00
34	Main Bid	237310	Curb Ramp (Type C1) with Detectable Warning Tiles	303-5.10.2	EA	1	\$4,000.00	\$4,000.00
35	Main Bid	237310	Curb Ramp (Type D) with Detectable Warning Tiles	303-5.10.2	EA	1	\$3,600.00	\$3,600.00
36	Main Bid	237310	Curb Ramp (Type C1, Per 40915-62-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 6	303-5.10.2	EA	1	\$4,000.00	\$4,000.00
37	Main Bid	237310	Curb Ramp Modified (Type B, Per 40915-59-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 1	303-5.10.2	EA	1	\$3,600.00	\$3,600.00

38	Main Bid	237310	Curb Ramp Modified (Type C2, Per 40915-59-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 4A	303-5.10.2	EA	1	\$4,200.00	\$4,200.00
39	Main Bid	237310	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	20	\$4,000.00	\$80,000.00
40	Main Bid	237310	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	19	\$4,000.00	\$76,000.00
41	Main Bid	237310	Curb Ramp (Type D) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	3	\$3,600.00	\$10,800.00
42	Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	6	\$4,000.00	\$24,000.00
43	Main Bid	237310	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	1	\$4,100.00	\$4,100.00
44	Main Bid	237310	Curb Ramp Modified (Type C2, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 13	303-5.10.2	EA	1	\$4,500.00	\$4,500.00

45	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-64-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 9	303-5.10.2	EA	1	\$4,200.00	\$4,200.00
46	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-58-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 9A	303-5.10.2	EA	1	\$4,200.00	\$4,200.00
47	Main Bid	237310	Curb Ramp Modified (Type B, Per 40915-58-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 11	303-5.10.2	EA	1	\$4,000.00	\$4,000.00
48	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 12	303-5.10.2	EA	1	\$3,600.00	\$3,600.00
49	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-60-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 14 & 14A	303-5.10.2	EA	2	\$4,200.00	\$8,400.00

50	Main Bid	237310	Curb Ramp Modified (Type D, Per 40915-63-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 19	303-5.10.2	EA	1	\$3,600.00	\$3,600.00
51	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-61-D) with Detectable Warning Tiles, Curb Ramp 19B	303-5.10.2	EA	1	\$4,300.00	\$4,300.00
52	Main Bid	237310	Curb Ramp Modified (Type C1, Per 40915-61-D) with Detectable Warning Tiles, Curb Ramp 20	303-5.10.2	EA	1	\$4,200.00	\$4,200.00
53	Main Bid	237310	Curb Ramp Modified (Type D, Per 40915-63-D) with Stainless Steel Detectable Warning Tiles, Curb Ramp 19A	303-5.10.2	EA	1	\$3,600.00	\$3,600.00
54	Main Bid	237110	Phased Paving	306-1.2.1	EA	6	\$7,500.00	\$45,000.00
55	Main Bid	237110	ADA Compliant Storm Drain Grate Replacement	7-3.1	EA	2	\$2,000.00	\$4,000.00
56	Main Bid	237110	Abandon and Fill Existing Water Main Outside of the Trench Limit	306-3.3.4	Â LF	5599	\$10.00	\$55,990.00
57	Main Bid	237110	Abandon and Fill Existing Sewer Main (6 Inch) Outside of the Trench Limit	306-3.3.4	LF	200	\$10.00	\$2,000.00

58	Main Bid	237110	Abandon and Fill Existing Sewer Main (8 Inch) Outside of the Trench Limit	306-3.3.4	LF	2060	\$10.00	\$20,600.00
59	Main Bid	237110	Abandon and Fill Existing Sewer Main (10 Inch) Outside of the Trench Limit	306-3.3.4	LF	1040	\$10.00	\$10,400.00
60	Main Bid	237110	Abandon and Fill Existing Sewer Main (12 Inch) Outside of the Trench Limit	306-3.3.4	LF	84	\$10.00	\$840.00
61	Main Bid	237110	Abandon Existing Manhole Outside of the Trench Limit	306-3.3.4	EA	4	\$2,400.00	\$9,600.00
62	Main Bid	237110	Handling and Disposal of Non-friable Asbestos Material	306-3.3.5.5	LF	14258	\$8.00	\$114,064.00
63	Main Bid	237110	Additional Bedding	306-15.1	CY	806	\$1.00	\$806.00
64	Main Bid	237110	Water Main (8 Inch)	306-15.1	LF	4358	\$106.00	\$461,948.00
65	Main Bid	237110	Water Main (12 Inch)	306-15.1	LF	4590	\$140.00	\$642,600.00
66	Main Bid	237110	Water Main (16 Inch)	306-15.1	LF	2752	\$206.00	\$566,912.00
67	Main Bid	237110	Water Main (20 Inch)	306-15.1	LF	10	\$250.00	\$2,500.00
68	Main Bid	237110	Water Main (12 Inch, Class 305)	306-15.1	LF	891	\$138.00	\$122,958.00
69	Main Bid	237110	Water Main (16 Inch, Class 305)	306-15.1	LF	839	\$216.00	\$181,224.00
70	Main Bid	237110	Sewer Main (8 Inch)	306-15.1	LF	2676	\$137.00	\$366,612.00
71	Main Bid	237110	Sewer Main (10 Inch)	306-15.1	LF	1487	\$155.00	\$230,485.00
72	Main Bid	237110	Sewer Main (12 Inch)	306-15.1	LF	974	\$165.00	\$160,710.00
73	Main Bid	237110	Sewer Main (15 Inch)	306-15.1	LF	1520	\$180.00	\$273,600.00
74	Main Bid	237110	Sewer Main (8 Inch, SDR-26)	306-15.1	LF	3343	\$138.00	\$461,334.00

75	Main Bid	237110	Sewer Main (10 Inch, SDR-26)	306-15.1	LF	656	\$157.00	\$102,992.00
76	Main Bid	237110	Sewer Main (12 Inch, SDR-26)	306-15.1	LF	587	\$280.00	\$164,360.00
77	Main Bid	237110	Sewer Main (15 Inch, SDR-26)	306-15.1	LF	924	\$204.00	\$188,496.00
78	Main Bid	237110	Engineered Trench Shoring	306-15.2	LS	1	\$60,000.00	\$60,000.00
79	Main Bid	237110	Butterfly Valve 20 Inch	306-15.5	EA	1	\$8,000.00	\$8,000.00
80	Main Bid	237110	Gate Valve (8 Inch)	306-15.5	EA	31	\$1,800.00	\$55,800.00
81	Main Bid	237110	Gate Valve (12 Inch)	306-15.5	EA	29	\$2,800.00	\$81,200.00
82	Main Bid	237110	Gate Valve (16 Inch)	306-15.5	EA	7	\$9,200.00	\$64,400.00
83	Main Bid	237110	Fire Hydrant Assembly and Marker (6 Inch) - 2 port	306-15.6	EA	2	\$8,400.00	\$16,800.00
84	Main Bid	237110	Fire Hydrant Assembly and Marker (6 Inch) - 3 port	306-15.6	EA	51	\$9,000.00	\$459,000.00
85	Main Bid	237110	Fire Service Connection and Assembly (1 Inch)	306-15.6	EA	1	\$3,000.00	\$3,000.00
86	Main Bid	237110	Fire Service Connection and Assembly (4 Inch)	306-15.6	EA	3	\$10,800.00	\$32,400.00
87	Main Bid	237110	Fire Service Connection and Assembly (6 Inch)	306-15.6	EA	4	\$11,100.00	\$44,400.00
88	Main Bid	237110	Fire Service Connection and Assembly (8 Inch)	306-15.6	EA	2	\$11,300.00	\$22,600.00

89	Main Bid	237110	Water Service (1 Inch)	306-15.8	EA	292	\$2,800.00	\$817,600.00
90	Main Bid	237110	Water Service (2 Inch)	306-15.8	EA	62	\$4,500.00	\$279,000.00
91	Main Bid	237110	Water Service (4 Inch)	306-15.8	EA	11	\$10,800.00	\$118,800.00
92	Main Bid	237110	Water Service (6 Inch)	306-15.8	EA	4	\$11,100.00	\$44,400.00
93	Main Bid	237110	Water Service (8 Inch)	306-15.8	EA	1	\$12,000.00	\$12,000.00
94	Main Bid	237110	Meter Boxes	306-15.8	EA	2	\$1,000.00	\$2,000.00
95	Main Bid	237110	Blow-Off Valve Assembly (2 Inch)	306-15.8	EA	3	\$7,200.00	\$21,600.00
96	Main Bid	237110	Blow-Off Valve Assembly (4 Inch)	306-15.8	EA	2	\$10,000.00	\$20,000.00
97	Main Bid	237110	Air and Vacuum (Air Release) Valve Assembly (1 Inch)	306-15.8	EA	3	\$6,000.00	\$18,000.00
98	Main Bid	237110	Air and Vacuum (Air Release) Valve Assembly (4 Inch)	306-15.8	EA	1	\$9,700.00	\$9,700.00
99	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	1223	\$134.00	\$163,882.00
100	Main Bid	237110	Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains	306-15.10	EA	37	\$1,000.00	\$37,000.00
101	Main Bid	237110	Imported Trench Backfill	306-15.11	TON	7053	\$30.00	\$211,590.00
102	Main Bid	237110	Manhole (4 ft x 3 Ft)	306-16.6	EA	52	\$6,500.00	\$338,000.00
103	Main Bid	237110	Manhole (PVC Lined, 4 Ft x 3 ft)	306-16.6	EA	4	\$14,000.00	\$56,000.00

104	Main Bid	237110	Connection to Existing Manhole and Rechanneling (40915-05-D, MH 9)	306-16.6	EA	1	\$2,000.00	\$2,000.00
105	Main Bid	237110	Sewer Lateral and Cleanout (4 Inch, Street)	306-17.2	EA	197	\$4,000.00	\$788,000.00
106	Main Bid	237110	Sewer Lateral and Cleanout (8 Inch, Street)	306-17.2	EA	1	\$4,800.00	\$4,800.00
107	Main Bid	237110	Sewer Lateral with Private Replumbing (4 Inch)	306-17.2	EA	4	\$21,300.00	\$85,200.00
108	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	12167	\$2.50	\$30,417.50
109	Main Bid	237110	Condition Assessment of Storm Drain Culvert	306-18.7	LS	1	\$7,500.00	\$7,500.00
110	Main Bid	237110	Trenchless Sewer Main Installation (8 Inch, SDR-26)	307-1.7	LF	200	\$300.00	\$60,000.00
111	Main Bid	237110	Trenchless Water Main Installation (12 Inch)	307-1.7	LF	200	\$250.00	\$50,000.00
112	Main Bid	237310	Removal and Replacement of Existing Paint Striping	314-4.3.7	LS	1	\$30,000.00	\$30,000.00
113	Main Bid	237310	Continental Crosswalks	314-4.4.6	SF	2623	\$3.00	\$7,869.00
114	Main Bid	237110	Fusible Pressure PVC Pipe- 8 Inch	317-2.12	LF	3265	\$120.00	\$391,800.00

115	Main Bid	238990	Video Recording of Existing Conditions	400-1.1.1	LS	1	\$2,500.00	\$2,500.00
116	Main Bid	237310	Adjust Existing Manhole Frame and Cover to Grade	403-5	EA	1	\$2,500.00	\$2,500.00
117	Main Bid	237310	Adjust Existing Survey Monument to Grade	403-5	EA	1	\$3,000.00	\$3,000.00
118	Main Bid	237310	Traffic Signal Loop and Appurtenance Replacement (Type E)	404-12	EA	14	\$500.00	\$7,000.00
119	Main Bid	237310	Traffic Signal Loop and Appurtenance Replacement (Type E Modified)	404-12	EA	7	\$600.00	\$4,200.00
120	Main Bid	237110	Rehabilitate Existing Manhole with Cured-In-Place Manhole Liner (40915-05-D, MH 9)	502-5.6.1	VF	12	\$470.00	\$5,640.00
121	Main Bid	541330	Traffic Control and Working Drawings	601-7	LS	1	\$100,000.00	\$100,000.00
122	Main Bid	237310	Flashing Arrow Boards	601-7	LS	1	\$3,000.00	\$3,000.00
123	Main Bid	237310	Protective Railing at Curb Ramps (Type A)	701-2	EA	1	\$5,000.00	\$5,000.00
124	Main Bid	237310	Pedestrian Barricade (Type A)	701-2	EA	4	\$1,000.00	\$4,000.00
125	Main Bid	237310	Pedestrian Push Button	7-3.1	EA	10	\$1,000.00	\$10,000.00
126	Main Bid	238210	Traffic Detector Loop Stub	701-2	EA	9	\$850.00	\$7,650.00

127	Main Bid	237110	Contractor Furnished Materials for the City Forces High-line Work	900-1.9	LF	5504	\$15.00	\$82,560.00
128	Main Bid	237110	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16-inch and Larger	900-2.3	LS	1	\$20,000.00	\$20,000.00
129	Main Bid	237110	Pavement Restoration for Final Connection	901-2.5	SF	3400	\$16.00	\$54,400.00
130	Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$1.00	\$1.00
131	Main Bid	237110	WPCP Implementation	1001-4.2	LS	1	\$200,000.00	\$200,000.00
							Subtotal	\$12,212,058.36
132	Alternate A	238990	Preparation of Hazardous Waste Management Plan and Reporting	5-15.17	LS	1	\$10,000.00	\$10,000.00
133	Alternate A	541690	Monitoring of Contaminated Soil	5-15.17	HR	15	\$250.00	\$3,750.00
134	Alternate A	238990	Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil	5-15.17	TON	450	\$25.00	\$11,250.00
135	Alternate A	238990	Loading, Transportation, and Disposal of Petroleum Contaminated Soil	5-15.17	TON	450	\$70.00	\$31,500.00

136	Alternate A	238990	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	5-15.17	GAL	55	\$35.00	\$1,925.00
137	Alternate A	238990	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Non-RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	5-15.17	GAL	55	\$35.00	\$1,925.00
							Subtotal	\$60,350.00
138	Alternate B	237110	High-lining Installation by the Contractor	901-1.3	LF	33390	\$11.00	\$367,290.00
139	Alternate B	237110	High-lining Removed by the Contractor	901-1.3	LF	33390	\$5.00	\$166,950.00
140	Alternate B	237110	Furnished Materials for Contractor High-line Work	900-1.9	LF	33390	\$4.00	\$133,560.00
141	Alternate B	237110	Contractor Furnished Materials for the City Forces High-line Work (Deductive)	900-1.9	LF	5504	(\$15.00)	(\$82,560.00)

							Subtotal	\$585,240.00
142	Alternate C	237110	Connections to the Existing System by Contractor (16 Inch)	901-2.5	EA	3	\$6,500.00	\$19,500.00
143	Alternate C	237110	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16 inch and Larger (Deductive)	900-2.3	LS	1	(\$20,000.00)	(\$20,000.00)
144	Alternate C	237110	Connections to the Existing System by Contractor (8 Inch through 12 Inch)	901-2.5	EA	34	\$5,200.00	\$176,800.00
145	Alternate C	237110	Cut and Plug by Contractor	901-2.5	EA	42	\$6,000.00	\$252,000.00
							Subtotal	\$428,300.00
146	Alternate D	237310	Asphalt Concrete Overlay	302-5.9	TON	5300	\$110.00	\$583,000.00
147	Alternate D	237310	Road Lump	302-5.9	TON	0.84	\$3,000.00	\$2,520.00
148	Alternate D	237310	Pavement Fabric	302-7.4	SY	560	\$20.00	\$11,200.00
149	Alternate D	237310	Cold Milling Full Width	404-12	SF	344383	\$0.60	\$206,629.80
							Subtotal	\$803,349.80
150	Alternate E	237310	Rubber Polymer Modified Slurry (RPMS) Type I (Deductive)	302-4.12.4	SF	208946	(\$0.22)	(\$45,968.12)

151	Alternate E	237310	Rubber Polymer Modified Slurry (RPMS) Type II (Deductive)	302-4.12.4	SF	344383	(\$0.33)	(\$113,646.39)
152	Alternate E	237310	Rubber Polymer Modified Slurry (RPMS) Type III (Deductive)	302-4.12.4	SF	135437	(\$0.37)	(\$50,111.69)
153	Alternate E	237310	Crack Seal (Deductive)	302-15.5	LB	6888	(\$8.00)	(\$55,104.00)
							Subtotal	(\$264,830.20)
154	Alternate F	237310	Storm Water BMP Filterra Unit	1002-1.6	EA	1	\$68,000.00	\$68,000.00
							Subtotal	\$68,000.00
							Total	\$13,892,467.96