

# City of San Diego

**CONTRACTOR'S NAME:** Burtech Pipeline Incorporated  
**ADDRESS:** 102 Second Street, Encinitas, CA 92024  
**TELEPHONE NO.:** (760) 634-2822 **FAX NO.:** \_\_\_\_\_  
**CITY CONTACT:** Juan E. Espindola, Senior Contract Specialist, Email: [JEEspindola@sandiego.gov](mailto:JEEspindola@sandiego.gov)  
Phone No. (619) 533-4491  
J. Talamayan / A. Jaro / I. Garcia

## BIDDING DOCUMENTS



**FOR**

## PIPELINE REHABILITATION BB-1

**BID NO.:** K-21-2006-DBB-3  
**SAP NO. (WBS/IO/CC):** B-19201  
**CLIENT DEPARTMENT:** 2000  
**COUNCIL DISTRICT:** 6, 7  
**PROJECT TYPE:** JA

**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**

**MARCH 2, 2021**

**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

1/14/21  
\_\_\_\_\_  
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.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
4.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
6.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
7.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
8.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
9.	Contractor's Experience and Past Project Documentation. See SSP and 2018 WB Section 500-2.1, "Initial Submittals"	At Time of Bid	ALL BIDDERS
10.	Manufacturer Authorized Installer Certification. See SSP and 2018 WB Section 500-2.1, "Initial Submittals"	At Time of Bid	ALL BIDDERS

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
11.	Phased Funding Schedule Agreement	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	AWARDED BIDDER
12.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER
13.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	AWARDED BIDDER
14.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER

## NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **PIPELINE REHABILITATION BB-1** 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 **\$5,570,000**.
4. **BID DUE DATE AND TIME ARE: MARCH 2, 2021 at 2:00 p.m.**
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            | <b>6.2%</b>  |
| 2. | ELBE participation            | <b>9.1%</b>  |
| 3. | Total mandatory participation | <b>15.3%</b> |

**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 (GFE) 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 by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

**All submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via PlanetBids by invitation to the point of contact named in the bid provided by the Contract Specialist to all bidders.**

**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.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.

**9. SUBMISSION OF QUESTIONS:**

- 9.1.** The Director (or Designee) of the Engineering & Capital Projects 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:

Engineering & Capital Projects Department, Contracts Division  
525 B Street, Suite 750 (7<sup>th</sup> Floor)  
San Diego, California, 92101  
Attention: Juan E. Espindola

OR:

[JEEspindola@sandiego.gov](mailto: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

## 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, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

**2.7. BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.

**2.7.1. 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 Engineering & Capital Projects Department 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") <a href="http://www.greenbookspecs.org/">http://www.greenbookspecs.org/</a>	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK") * <a href="https://www.sandiego.gov/ecp/edocref/greenbook">https://www.sandiego.gov/ecp/edocref/greenbook</a>	2018	PWPI010119-02
City of San Diego Standard Drawings* <a href="https://www.sandiego.gov/ecp/edocref/standarddraw">https://www.sandiego.gov/ecp/edocref/standarddraw</a>	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards <a href="https://www.sandiego.gov/ecp/edocref/drawings">https://www.sandiego.gov/ecp/edocref/drawings</a>	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications <a href="https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications">https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications</a>	2018	PWPI030119-05

Title	Edition	Document Number
CALTRANS Standard Plans <a href="https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications">https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications</a>	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 5 (CA MUTCD 2014 Rev 5) <a href="http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5">http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5</a>	2014	PWPI042220-09
<p><b>NOTE:</b> *Available online under Engineering Documents and References at: <a href="https://www.sandiego.gov/ecp/edocref/">https://www.sandiego.gov/ecp/edocref/</a></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 condition's 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 Engineering & Capital Projects Department, Contracts Division.
- 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 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, 3 working days 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, 3 working days after the bid opening date shall cause the bid to be rejected and deemed **non-responsive**

Due to circumstances related to Covid-19, until further notice, all original bid bond submittals must be received by 5 PM, 3 working days after bid opening.

Upon circumstances returning to normal business as usual, the original bid bond shall once again be due by 5 PM the day after bid opening.

Original Bid Bond shall be submitted to:  
Engineering & Capital Projects Department, Contracts Division  
525 B Street, Suite 750 (7<sup>th</sup> 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 regarding 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. If 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 herein and in the Notice of Intent To 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**

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

Burtech Pipeline Incorporated, a corporation, as principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY, 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 Three Million Seven Hundred Thousand Dollars and Zero cents (\$3,700,000.00) for the faithful performance of the annexed contract, and in the sum of Three Million Seven Hundred Thousand Dollars and Zero cents (\$3,700,000.00) for the benefit of laborers and materialmen designated below.

**Conditions:**

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

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

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

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

The Surety 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 the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default..



# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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 4/26/2021 before me, Arthur P. Arquilla, Notary Public  
(Here insert name and title of the officer)

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

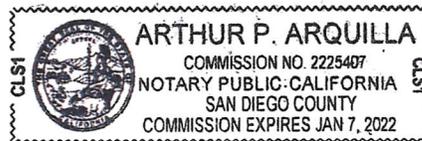
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*[Handwritten Signature]*

Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

#### DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

#### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer

\_\_\_\_\_  
(Title)

- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

**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 4/22/2021 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*  
personally appeared MARK D. IATAROLA  
*Name(s) of Signer(s)*

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



Place Notary Seal and/or Stamp Above

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 *[Handwritten Signature]*  
*Signature of Notary Public*

**OPTIONAL**

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

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

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

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

Signer's Name: MARK D. IATAROLA

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

Partner –  Limited  General

Individual  Attorney in Fact

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

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

Partner –  Limited  General

Individual  Attorney in Fact

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA, MARK D. IATAROLA, JESSICA SCHMAL AND TRACY LYNN RODRIGUEZ JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: ONE HUNDRED TWENTY FIVE MILLION (\$125,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

By Mike A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation



IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 19TH day of JUNE, 20 19.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook

ss:

On this 19TH day of JUNE, 20 19, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President

of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 22nd day of APRIL, 20 21.

## ATTACHMENTS

**ATTACHMENT A**  
**SCOPE OF WORK**

## SCOPE OF WORK

1. **SCOPE OF WORK:** Construction consists of trenchless rehabilitation of 33,290 LF (6.30 miles) of existing 8-inch & 10-inch vitrified clay pipe VCP sewer mains. The project includes approximately 32 point repairs, rehabilitation of all associated sewer laterals from the sewer main to the property line or lateral connections within private streets and easements, rehabilitation of 112 manholes, replacement of 9 manholes, repair of 11 manholes, 3 new manholes installed, installation of 28 new main lines cleanouts and installation of sewer lateral cleanouts, and associated street resurfacing, scope of work also includes 14 curb ramp installations.
  - 1.1. The Work shall be performed in accordance with:
    - 1.1.1 The Notice Inviting Bids and **Appendix G - Site Maps**, Sheets 1 through 9, **Appendix H - Curb Ramp Map**, (42077-1-D through 42077-3-D), **Appendix I - Traffic Control Plans**, (Sheets T1-D through T5-D), **Appendix J - Sewer Mains Pipeline Rehabilitation BB-1 Spreadsheets**, **Appendix K - Sewer Manhole Pipeline Rehabilitation BB-1 Spreadsheets**, **Appendix L - Sewer Laterals Pipeline Rehabilitation BB-1 Spreadsheets** and **Appendix M - Concrete Encased Area Spreadsheet**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See **Appendix E - Location Map**
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **287 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.



**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.

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### 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 10<sup>th</sup> day of the subsequent month. Incomplete and/or 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.

## 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. The unused portion of the Field Order shall revert to the City upon Acceptance.
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**- 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.

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

The **Normal Working Hours** are **8:30 AM to 3:30 PM**.

Except for the area near the two San Diego Unified School District schools’ locations shown on Map 4 and Map 5. Working hours will be night hours or when schools are not in session.

To the “WHITEBOOK”, ADD the following:

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.

**1-7.1.3 Requests for Information (RFI).** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. 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**.

2. 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.
3. 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.
4. 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.

**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

### **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.

**3-3 SUBCONTRACTORS.** To the "WHITEBOOK", ADD the following:

- 6. When a Subcontractor fails to prosecute a portion of the Work in a manner satisfactory to the City, you shall remove such Subcontractor immediately upon written request of the City, and shall request approval of a replacement Subcontractor to perform the Work in accordance with California Public Contract Code (PCC), Subletting and Subcontracting, Section 4107, at no added cost to the City.

**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 N, Rehab Data Collection – Sewer Mains Sample Data Template, Appendix O, Rehab Data Collection – Manhole Sample Data Template** and **Appendix P, Rehab Data Collection – Lateral Sample Data Template**).
  - a) Laterals
  - b) Sewer Mains
  - c) 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 Q, 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.

**3-10**            **SURVEYING.** To the "GREENBOOK" and "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

**3-10**            **SURVEYING (DESIGN-BID-BUILD).**

**3-10.1**        **General.**

1.        You shall provide all required site layout and general grade checking work not specified in 3-10.2, "Survey Services Provided by City".
2.        Notify the City, in writing, at least 2 Working Days prior to requesting survey services provided by the City.

**3-10.2**        **Survey Services Provided by City.**

1.        Monument Perpetuation, including mark-outs. You are responsible for requesting the coordination of these services.
  - a)        If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the City Engineering Support & Technical Services Division's Land Survey Section (LSS), via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.
2.        The following surveying services (including construction staking), as defined in California Business & Professions Code §8726, shall be provided by the City:
  - a)        Locating or establishing alignment or elevations of all features or structures shown on project Plans.
  - b)        Locating or establishing geodetic control points for all site feature or structure locations.
  - c)        Produce topographic as-built data.
  - d)        Locating, establishing, or re-establishing monuments, property lines, right-of-way lines, or easement lines.
  - e)        Verifying structure finish grade elevations.
3.        All construction survey stakes, control points, and other survey related marks provided by the City shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at your expense.

**3-10.3**        **Payment.**

1.        The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

**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) If the Work includes installing an irrigation system, 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 any 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 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.

**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 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

<b>Specified Item</b>	<b>Minimum Warranty Period</b>
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. If installed, 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".
8. 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 to portions of the Work corrected as part of the warranty requirements.

**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 Limerick Ct to Peyton Pl, Margerum Ave between Laramie Way to Larchwood Ave, the intersection of Oakridge Rd & Cibola Rd and the intersection of Oakridge Rd & Lynridge Ct.

See **Appendix F – Adjacent Projects Map** for the approximate location.

Coordinate the Work with the adjacent projects as listed below:

1. Limits of work: Limerick Ave between Limerick CT to Peyton\_PL Pipeline Rehabilitation AY-1, Project Manager: Jonard Talamayan, Phone: 619-533-4116.

2. Limits of work: Margerum Ave between Laramie Way to Larchwood Ave, Residential Project Block 7T-UU65, Project Manager: Ross Bowen, Phone: 858-541-4363
3. Limits of work: Intersection of Oakridge Rd & Lynridge Ct, Pipeline Rehabilitation AN-1, Resident Engineer: Liborio Ruiz, Phone: 858-627-3270.
4. Slurry Seal Group 2021, Project Manager: Aida Vance, Phone: 619-527-8074.
5. Asphalt Resurfacing Group 2016, Resident Engineer: Ottone Amore, Phone: 619-527-8091.
6. The point of contact and school hours information would be the 2 principal or representative at the San Diego Unified School Districts below:
  - a) San Diego Unified School District - Creative Performing Media Arts (CPMA) Middle- contact - Principal- Scott Thomason, (858) 800-5550
  - b) San Diego Unified School District - Innovation Middle School- contact - Principal - Mr. Steve Will, (858) 278-5948.

#### **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: <https://www.sandiego.gov/ecp/edocref/>

#### **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

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

**5-4.11 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.

**5-10.2.1 Public Notice by Contractor.** To the "WHITEBOOK", items 2 and 3, DELETE in their entirety and SUBSTITUTE with the following:

2. No less than 5 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project. Verbal and written notifications shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Resident Engineer. You shall keep records of the people contacted, along with the dates of notification, and shall provide the record to the Engineer upon request. You shall identify all other critical facilities that need to be notified.
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 Working 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/ecp/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.

## **SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK**

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

- e) Monthly progress payments are contingent upon the submittal of an updated Schedule to the Engineer. The Engineer may refuse to process the whole or part of any monthly payment if you refuse or fail to provide an acceptable schedule.
- 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/ecp/edocref/>

**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.

**6-3 TIME OF COMPLETION.** To the "WHITEBOOK", ADD the following:

1. You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within **235 Working Days** from the date of NTP. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

**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 **Pipeline Rehabilitation BB-1**, Project No. **B-19201** 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, unless separate bid items have been provided.

## **SECTION 7 – MEASUREMENT AND PAYMENT**

**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 the removal and relocation of existing sign and post when installing curb ramps, curb and sidewalk within the existing City right of way is included in the bid item for "Removal and relocation of existing sign and post".

**7-3.2 Partial and Final Payment.**

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.

**7-3.2.1 Application for Progress Payment.** To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The City shall not pay progress or partial payments until you submit to the Engineer an acceptable updated Schedule. It is solely your responsibility to prepare and submit the Schedule updates.

**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.

**7-3.5.1**

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

1. Unit Bid prices shall not be subject to adjustment regardless of quantity used, or if none is used, for the following Bid items:
  - a) imported backfill
  - b) shoring
  - c) water services
  - d) house connection sewers
  - e) water pollution control items
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.
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.

**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**

<b>Contract Price</b>	<b>Maximum Field Order Work Amount</b>
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.

**7-4.3 Markup.** To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

4. When a Subcontractor is performing Extra Work, the allowance for overhead and profit shall be applied to the labor, materials, and equipment costs of the Subcontractor as follows:
  - a) Regardless of the number of a Subcontractor's tasks for Extra Work, you may only apply 10% for the first \$50,000 of the Subcontractor's portion of accumulated total cost then 5% for any remaining costs. You shall not apply 10% to any costs after the first \$50,000 of accumulated total costs from performing Extra Work.
  - b) If the accumulated costs of single or subsequent tasks exceed the \$50,000 threshold, you shall instead only apply 5% to any amounts in excess of the \$50,000.
  - c) Regardless of the number of hierarchical tiers of Subcontractors, you may only markup a Subcontractor's Work once.

## **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 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

## 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.

**302-4.12.4 Rubber Polymer Modified Slurry (RPMS) Type I/II.** To the “WHITEBOOK”, ADD the following:

4. Rubber Polymer Modified Slurry (RPMS) Type 1 over Type II shall occur within areas of point repairs, cleanout installation, and manhole replacement/installation. The slurry seal work area shall be determined by multiplying the length of trenching activity by the width of the roadway (measured from gutter lip to gutter lip).

## SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

**303-5.1.1 General.** To the “WHITEBOOK”, ADD the following:

7. For the purposes of this section, the terms “walk” and “access ramp” shall be synonymous with “sidewalk” and “curb ramp and pedestrian ramp”, respectively.

**303-5.10.2 Payment.** To the "WHITEBOOK", ADD the following:

4. The payment for completely removing and replacing the existing concrete spandrel of a cross gutter associated with curb ramp installations, in accordance with SDG-131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the curb ramp. No additional costs shall be incurred when separate Bid items for cross gutters has been provided.
5. The payment for completely removing and replacing the existing concrete alley apron associated with curb ramp installations, in accordance with SDG-131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the Curb Ramp installation. No additional costs shall be incurred when separate Bid items for alley aprons has been provided.

### **SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION**

**306-16.6 Payment.** To the "WHITEBOOK", ADD the following:

6. The payment for removing and replacing manhole in place shall be included in the Bid Item "Remove and Replace Manhole" and shall include all necessary labor, materials and equipment including but not limited to: Installation of new manhole, including the polymer mortar, liner, and/or coating and installation of locking device, when required. The payment shall also include removal and disposal of existing manhole, excavation, import backfill, sewer channelization at the manhole base to accommodate a smooth transition between the inlet and outlet pipes and pavement resurfacing.

**306-17.2 Payment.** To the "WHITEBOOK", ADD the following;

12. The Bid Item for "Concrete Encased Sewer Lateral (4 Inch) and Cleanout, (Appendix M) shall include payment for constructing each new concrete encased sewer lateral and cleanout and connecting to the sewer main. Payment shall also include the removal and replacement of concrete curb and gutter, sidewalk panels, and existing surface improvements as required by the Engineer to complete the work.

**306-18.5 Video Inspection Submittals.** To the "WHITEBOOK", item 1, subsection "h", DELETE in its entirety and SUBSTITUTE with the following:

- h) **Post-rehabilitation Videos** - Post-rehabilitation videos shall be submitted within 30 Calendar Days of the completion of the Work in phases not to exceed 2-mile increments. The final video recording shall clearly show the condition of the liner with ends sealed at the manholes, service laterals, and connection seals. The submittal of this final video recording shall also include MS Access database and marked up Field Book pages or Plans as attachments.

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

5.      The payment for post-rehabilitation videos shall be included in the associated Bid items provided, regardless of the number of phased videos required at 2-mile increments.

#### **SECTION 402 – UTILITIES**

**402-2**      **PROTECTION.** To the "WHITEBOOK", item 2, ADD the following:

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

**402-7.2**      **Pipe Separations.** To the "WHITEBOOK", item 1, subsection "a", DELETE in its entirety and SUBSTITUTE with the following:

- a)      You shall notify the Engineer immediately if:
  - i.      1 foot (0.3 m) vertical separation as measured from the outside of pipe wall to the outside of pipe wall between sewer and water mains cannot be maintained.
  - ii.     10 feet (3.0 m) horizontal separation as measured from the outside of pipe wall to the outside of pipe wall between sewer and water mains cannot be maintained.
  - iii.    6 inches (152.4 mm) vertical separation as measured from the outside of pipe wall to the outside of pipe wall between utilities other than sewer and water mains cannot be maintained.
  - iv.     3 feet (0.9 m) or more of cover over the top of the water main cannot be maintained.
  - v.      5 feet (1.5 m) or more of cover over the top of the recycled water main cannot be maintained.

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

3.      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.

The payment for this bid item applies to potholing utilities marked out by USA within City Right-of-Way where excavation is expected to occur, which may include point repairs, cleanout installation, sewer lateral replacement, and sewer manhole installation/replacement.

## SECTION 500 – PIPELINE REHABILITATION

**500-1 GENERAL.** To the “WHITEBOOK”, ADD the following:

4. Any Cured-in-Place Pipe (CIPP) lining Work within a 1000-foot radius from school areas shall first be coordinated with the school and shall be performed outside of school hours at no expense to the City.

**500-2.1 Initial Submittals.** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit the following required information at the time of Bid Opening:
  - a) Contractor’s Experience and Past Project Documentation.
    - i. You shall submit documentation that you have performed similar main rehabilitation projects (of scope and size) successfully within the last 10 years in the United States. The scope shall include the same product, installation, and curing. The proposed product shall have at least 5 years or more of documented performance records.
    - ii. Your superintendent shall be assigned full time to this project and shall be present at the Site while Work is being performed. If CIPP is used, the superintendent shall have documentation conveying experience with the proposed resin and felt combination used and the installation of the proposed lateral sealing system with the pipe lining system.
  - b) Authorized Installer.
    - i. The installation of the lining system shall be performed by a contractor authorized, certified, or both by the manufacturer or owner of the process.
    - ii. You shall submit a copy of the authorizations, certifications, or both from all manufacturers listed on the City’s Approved Material List (AML) that will be used for the Work that includes the name, address, point of contact, and telephone number of the manufacturer.

**500-4.7 Payment.** To the “WHITEBOOK”, ADD the following:

3. The payment for Bid Item “Removal of Concrete Encasement of Existing Pipe (Appendix M) shall include payment for the removal of concrete encasement of existing sewer mains and laterals needed to accomplish point repairs.
4. The Bid Item for 8” Point Repair with Concrete Encasement (Appendix M) include payment per linear foot of all necessary materials, concrete encasement, labor and equipment to clean, repair, excavate and inspect the point repair and all incidentals necessary to complete the point repair.

5. The Bid Item for 10" Point Repair with Concrete Encasement (Appendix M) shall include payment per linear foot of all necessary materials, concrete encasement, labor and equipment to clean, repair, excavate, and inspect the point repair and all incidentals necessary to complete the point repair.

## **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.

## **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**.

**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  
Engineering & Capital Projects 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:** Pipeline Rehabilitation BB-1      **WBS No.:** B-19201.02.06

**Project Location-Specific:** The project is located on the following streets: Regina Avenue, Limerick Avenue, Limerick Court, Palmyra Avenue, Northridge Court, Northridge Avenue, Sunglow Court, Peyton Place, Winthrop Street, Arlene Place, Arlene Street, Enelra Place, Lehrer Drive, Aberdeen Street, Kilkee Street, Appleton Street, Rosecrea Avenue, Arvinels Avenue, Norwich Street, Mable Way, Conrad Avenue, Bergen Street, Barstow Street, Longford Street, Mission Gorge Road, Chaparajos Court, Laramie Way, Larchwood Way, Margerum Avenue, Hillandale Drive, Hillandale Court, Larchwood Avenue, Amberly Street, Stratus Court, Oakridge Road, and various alleys within the Clairemont Mesa and Navajo community planning areas (Council Districts 6 and 7).

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

**Description of nature and purpose of the Project:** The project proposes to rehab via trenchless construction, approximately 35,641 linear feet (LF) (6.75 miles) of existing 8-inch and 10-inch vitrified clay (VC) sewer mains at depths up to 18 feet. The project also proposes to rehab associated sewer laterals and lateral connections within private streets and easements. Additionally, the project includes point repair, manhole replacement, rehabilitation and repair, installation of new cleanouts and approximately three new manholes, new curb ramps and street resurfacing. Minor landscaping and vegetation removal will be required to install new curb ramps within the City right-of-way.

A small segment of the project occurs adjacent to the City's Multi-Habitat Planning Area (MHPA) and will be required to comply with the MHPA Land Use Adjacency Guidelines as specified in section 1.4.3 of the MSCP Subarea Plan.

**Name of Public Agency Approving Project:** City of San Diego

**Name of Person or Agency Carrying Out Project:** Gretchen Eichar, 525 B Street, Suite 750, San Diego, CA 92101, (619) 533-4110

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: 15301(b) (c), and (d) [Existing Facilities], 15302 (c) [Replacement or Reconstruction], 15303 (d) [New Construction], and 15304 [Minor Alterations to Land].
- Statutory Exemptions:

Reasons why project is exempt: The City of San Diego conducted an environmental review and determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301(b), (c) and (d) [Existing Facilities], which allows for the operation, repair, maintenance, or minor alteration of existing public

Revised May 2016

facilities and mechanical equipment, involving negligible or no expansion of existing or former use, this includes the rehabilitation and repair of sewer mains, laterals, and manholes as well as street resurfacing; 15302 (c) [Replacement or Reconstruction], which allows for the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, this includes the rehabilitation and repair of sewer mains, laterals, and manholes as well as street resurfacing; 15303 (d) [New Construction], which allows for the construction and location of limited numbers of new, small facilities or structures, this includes the installation of new manholes, cleanouts, and curb ramps; 15304 [Minor Alterations to Land], which allows for minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees, this includes minor trenching and backfilling associated with the point repairs, new manholes, and new cleanouts and minor landscaping and vegetation removal required to install new curb ramps within the City right-of-way; and where the exceptions listed in Section 15300.2 would not apply.

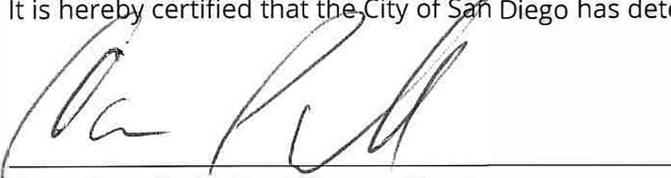
Lead Agency Contact Person: Gretchen Eichar

Telephone: (619) 533-4110

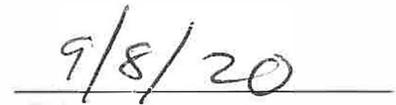
If filed by applicant:

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



Date

Check One:

- (X) Signed By Lead Agency  
( ) Signed by Applicant

Date Received for Filing with County Clerk or OPR:

**APPENDIX B**  
**FIRE HYDRANT METER PROGRAM**

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 1 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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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- 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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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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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.) <u>Zip:</u>	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: <input type="text"/>	<input type="checkbox"/>	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>			

<b>Fire Hydrant Meter Removal Request</b>	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: <b>\$ 936.00</b> Fees Amount: <b>\$ 62.00</b>
Meter Serial #	Meter Size: <b>05</b> Meter Make and Style: <b>6-7</b>
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. Water stops (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**

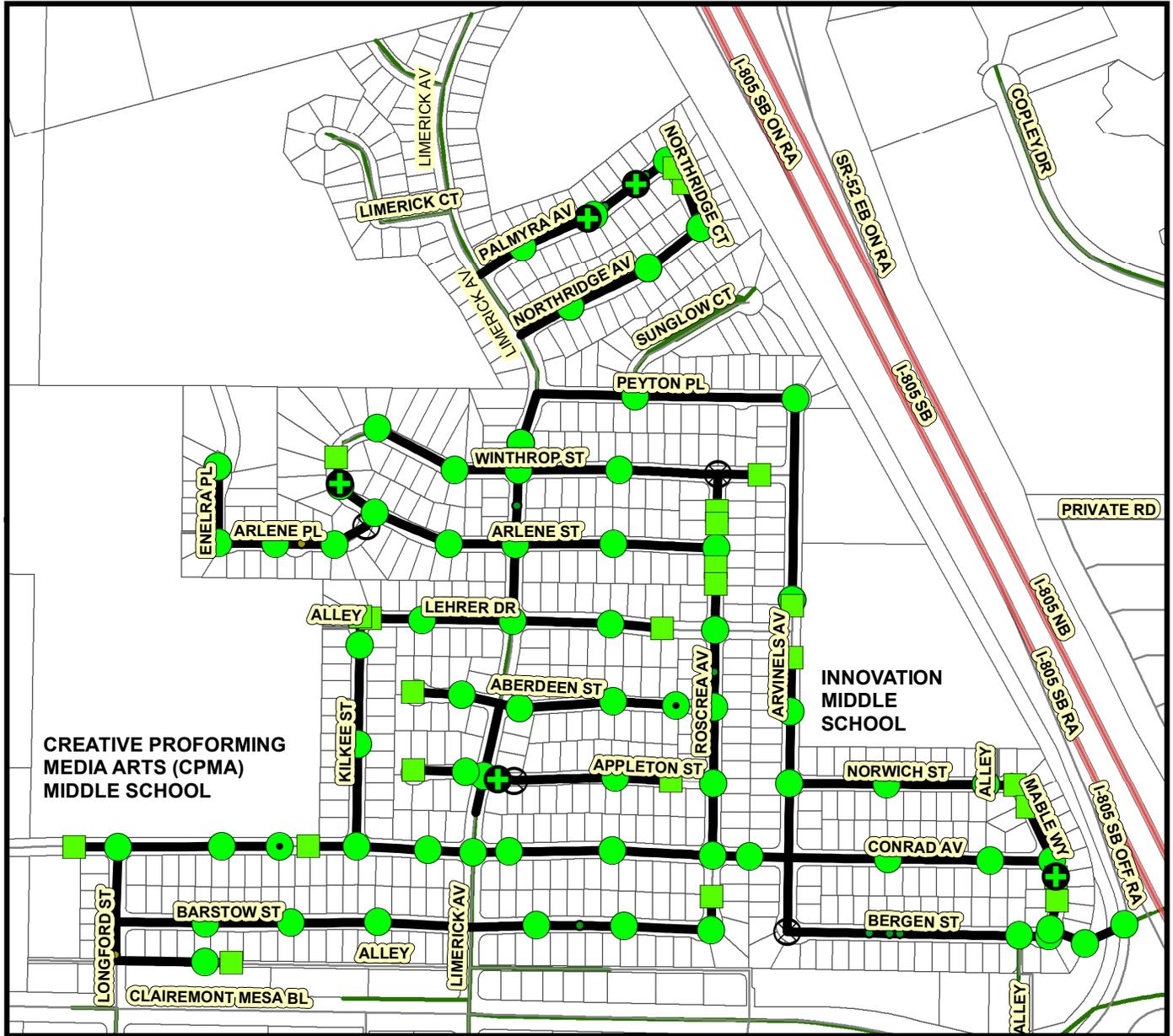
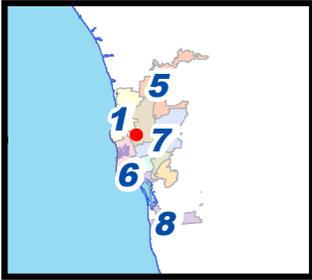
**PIPELINE REHABILITATION BB-1  
LOCATION MAP 1**

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



**Legend**

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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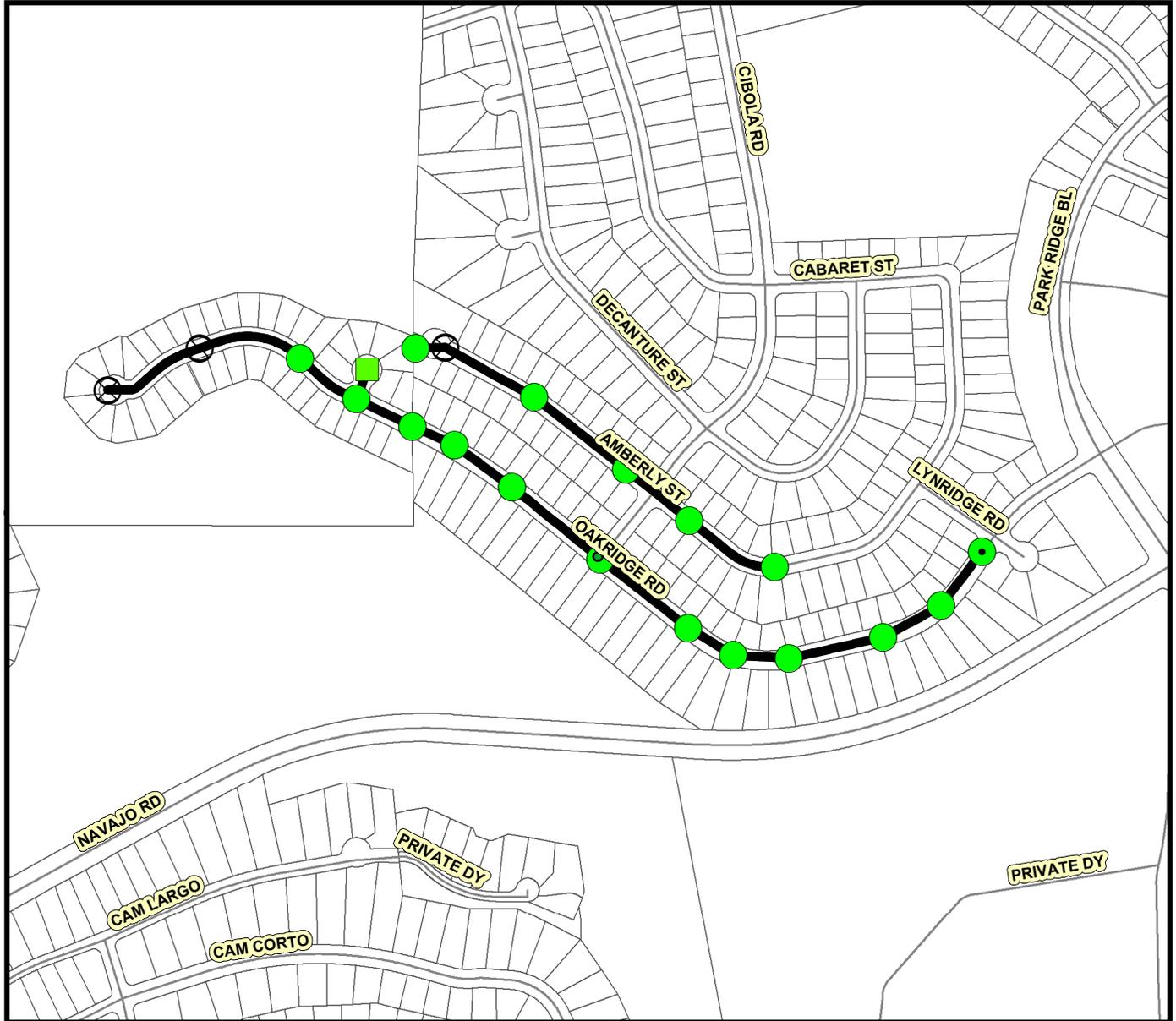
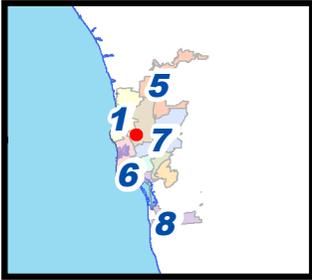
**PIPELINE REHABILITATION BB-1  
LOCATION MAP 3**

SENIOR ENGINEER  
SHEILA BOSE  
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PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

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Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



**Legend**

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
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- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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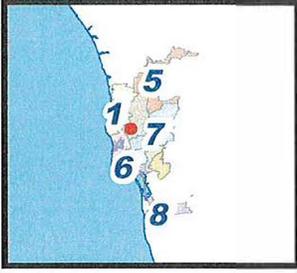
**APPENDIX F**  
**ADJACENT PROJECT MAP**

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# Engineering & Capital Projects

## PIPELINE REHABILITATION BB-1 ADJACENT PROJECT MAP

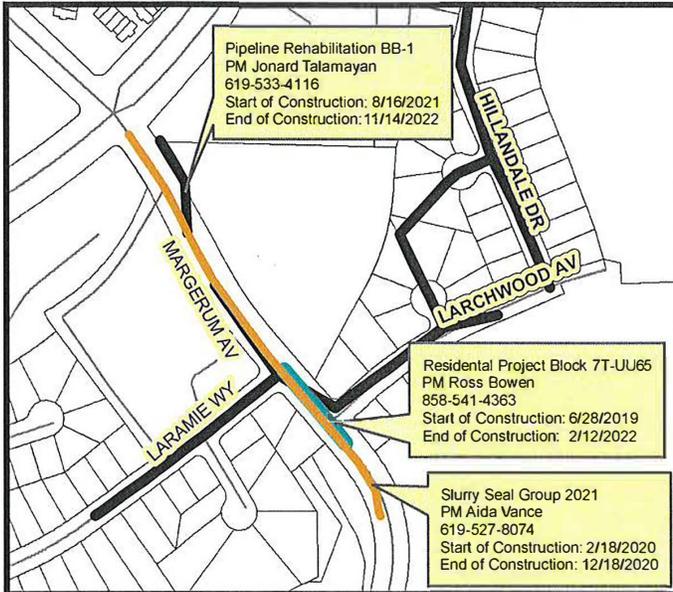
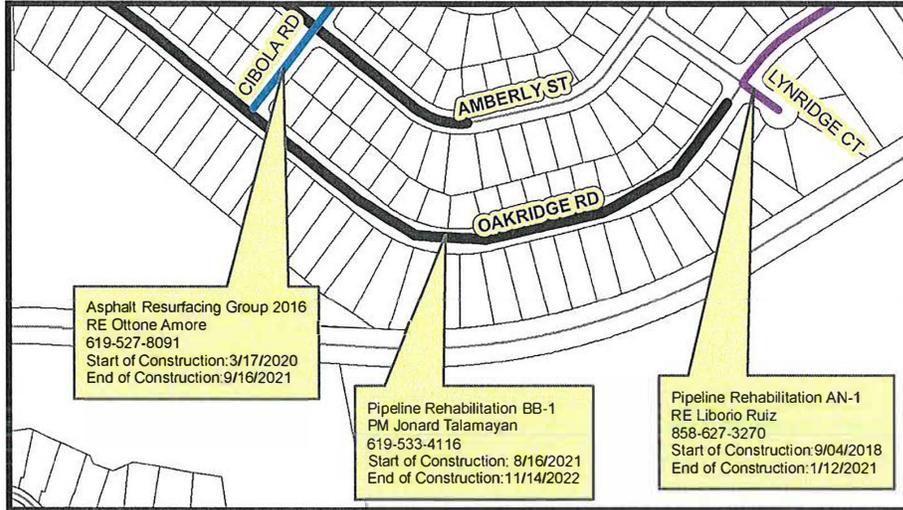


SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

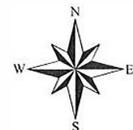
PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



### Legend

- Pipeline Rehabilitation BB-1
- Pipeline Rehabilitation AY-1
- Residential Project Block 7T-UU65
- Slurry Seal Group 2021
- Pipeline Rehabilitation AN-1
- Asphalt Resurfacing Group 2016



NOT TO SCALE

COMMUNITY NAME: Clairemont Mesa & Navajo

COUNCIL DISTRICT: 6,7

WBS NO: B19201

Date: November 16, 2020



## **APPENDIX G**

### **SITE MAPS**

TABLE OF CONTENTS FOR PIPELINE REHABILITATION BB-1

PAGE NO	DESCRIPTION
I	CONTRACTOR'S NOTE
II	VICINITY MAP
III	KEY MAP
1-9	GIS SITE MAPS
1-5	SURVEY MONUMENT PERPETUATION
1	REFERENCE ASBUILT DRAWINGS

## **PIPELINE REHABILITATION BB-1**

### **WORK TO BE DONE**

CONSTRUCTION CONSISTS OF TRENCHLESS REHABILITATION 33,290 LF (6.30 MILES) OF EXISTING 8-INCH & 10-INCH VITRIFIED CLAY PIPE (VCP) SEWER MAINS. THE PROJECT INCLUDES APPROXIMATELY 32 POINT REPAIRS, REHABILITATION OF ALL ASSOCIATED SEWER LATERALS FROM THE SEWER MAIN TO THE PROPERTY LINE OR LATERAL CONNECTIONS WITHIN PRIVATE STREETS AND EASEMENTS, REHABILITATION OF 112 MANHOLES, REPLACEMENT OF 9, MANHOLES, REPAIR OF 11 MANHOLES, 3 NEW MANHOLES INSTALLED, INSTALLATION OF 28 NEW MAIN LINES CLEANOUTS AND INSTALLATION OF SEWER LATERAL CLEANOUTS, AND ASSOCIATED STREET RESURFACING SCOPE OF WORK ALSO INCLUDES CURB RAMP INSTALLATION.

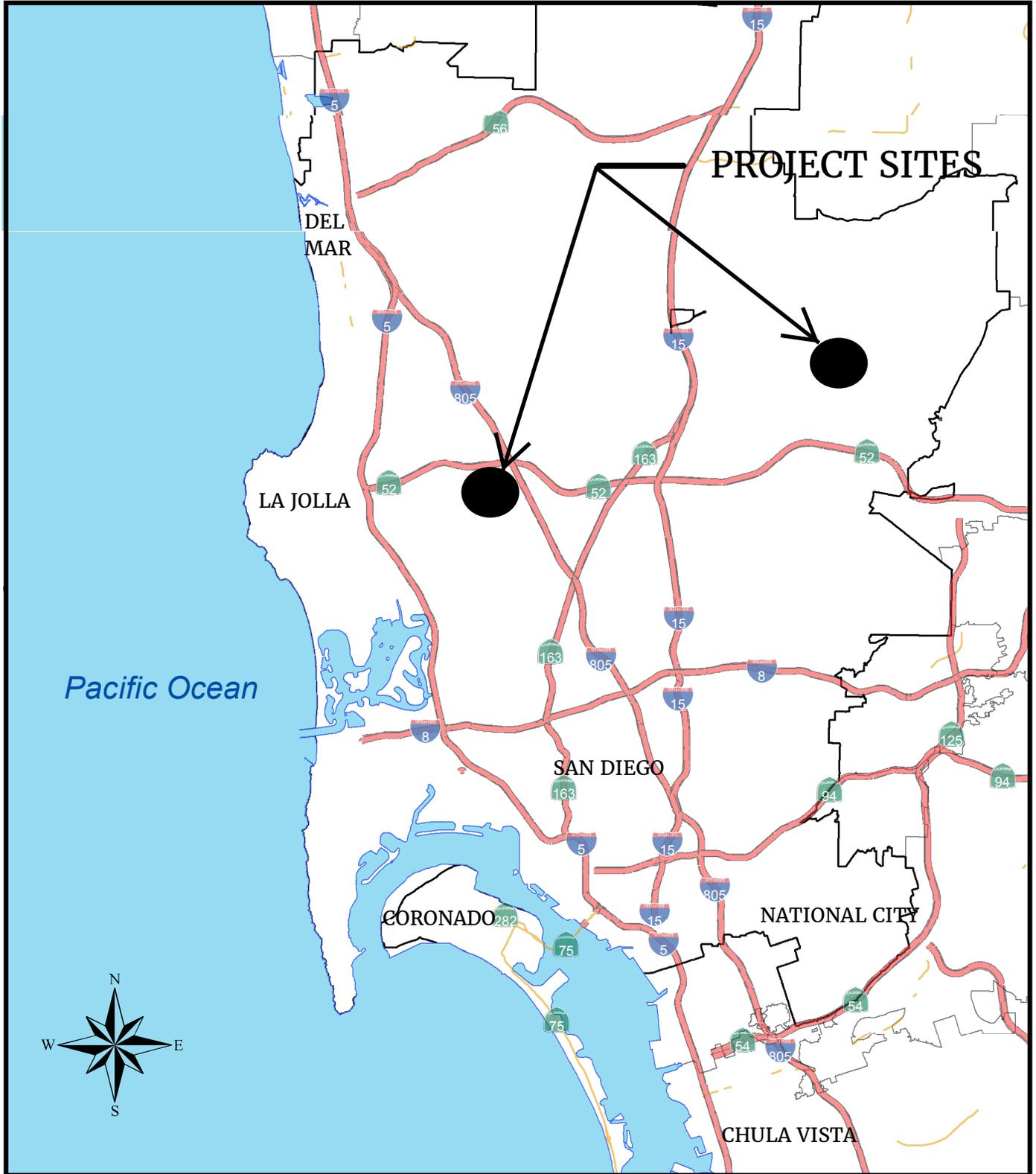
### **CONTRACTOR'S RESPONSIBILITIES**

1. 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.
2. **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)**
3. 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.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. 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.
7. 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.
8. SEWER MANHOLES SHALL BE INSTALLED AT LEAST 5 FEET AWAY FROM THE NEAREST SEWER LATERAL.

CONTRACTOR'S NOTES

1. SEE SURVEY NOTES ON MONUMENT PERPETUATION SHEET.
2. CONTRACTOR STORM WATER PROTECTION NOTES
  - a. TOTAL SITE DISTURBANCE AREA (ACRES: 0.07 ACRES)
    - I. HYDROLOGIC UNIT/WATERSHED: PENASQUITOS/(MISSION BAY/LA JOLLA WMA)  
HYDROLOGIC SUBAREA NAME & NO: MIRAMAR: 906.4
    - II. HYDROLOGIC UNIT / WATERSHED: PENASQUITOS/(MISSION BAY/LA JOLLA WMA)  
HYDROLOGIC SUBAREA NAME & NO: TECOLOTE: 906.5
    - III. HYDROLOGIC UNIT / WATERSHED: SAN DIEGO/ SAN DIEGO RIVER WMA  
HYDROLOGIC SUBAREA NAME & NO: MISSION SAN DIEGO: 907.11
  - b. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
    - WPCP  
  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT  
NO. R9-2013-0001AS AMENDED BY R9-2015-0001AND R9-2015-0100
    - SWPPP  
  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT  
NO. R9-2013- 0001AS AMENDED BY R9-2015-0001AND R9-2015-0100  
AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS  
AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
  - c.  CONSTRUCTION SITE PRIORITY
    - ASBS  HIGH  MEDIUM  LOW
3. 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.

# PIPELINE REHABILITATION BB-1



**VICINITY MAP**  
NOT TO SCALE



# Engineering & Capital Projects

## PIPELINE REHABILITATION BB-1

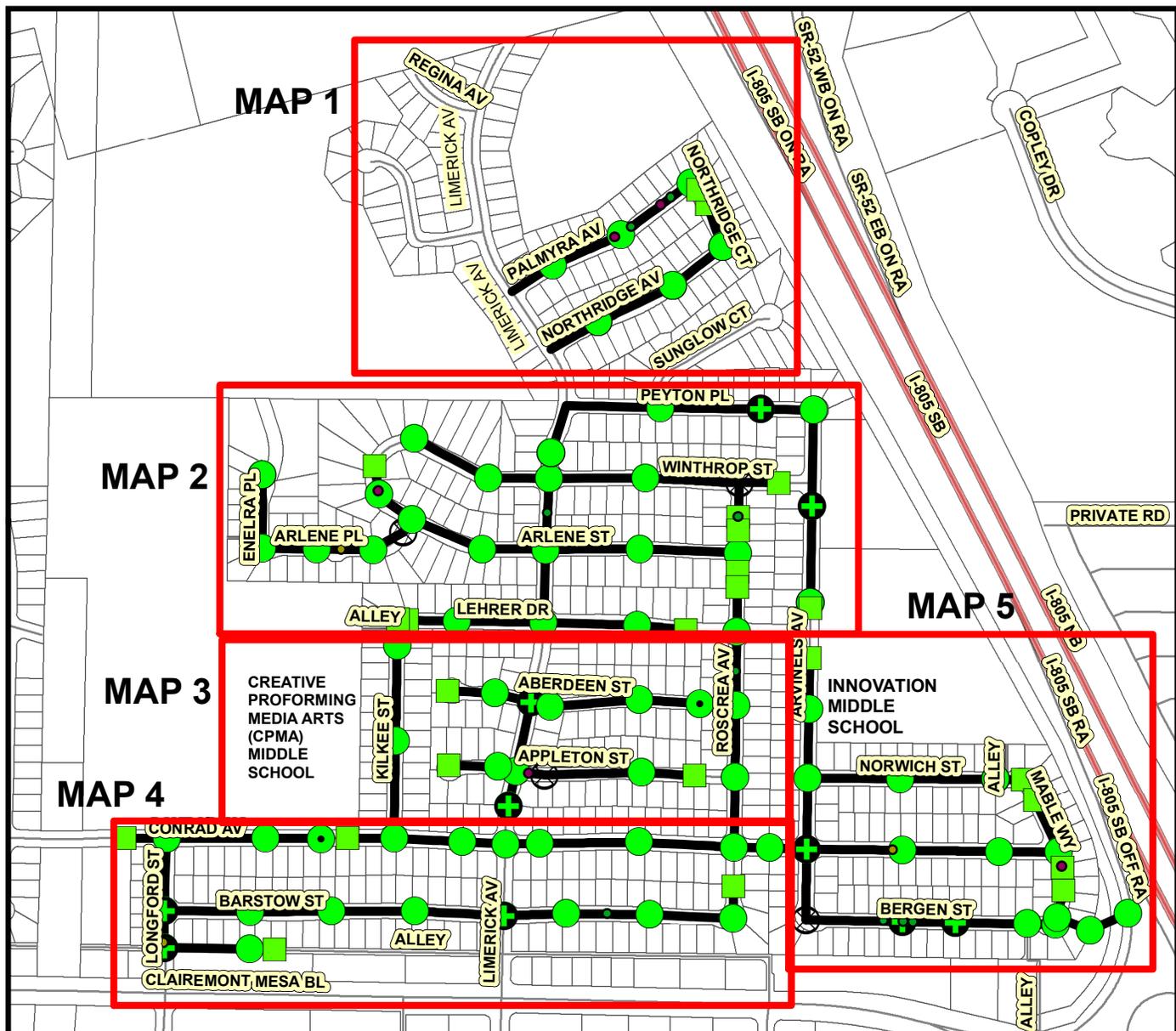
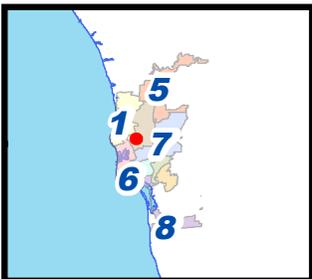
### KEY MAP 1

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

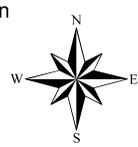
PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



### Legend

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- + Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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**PIPELINE REHABILITATION BB-1**

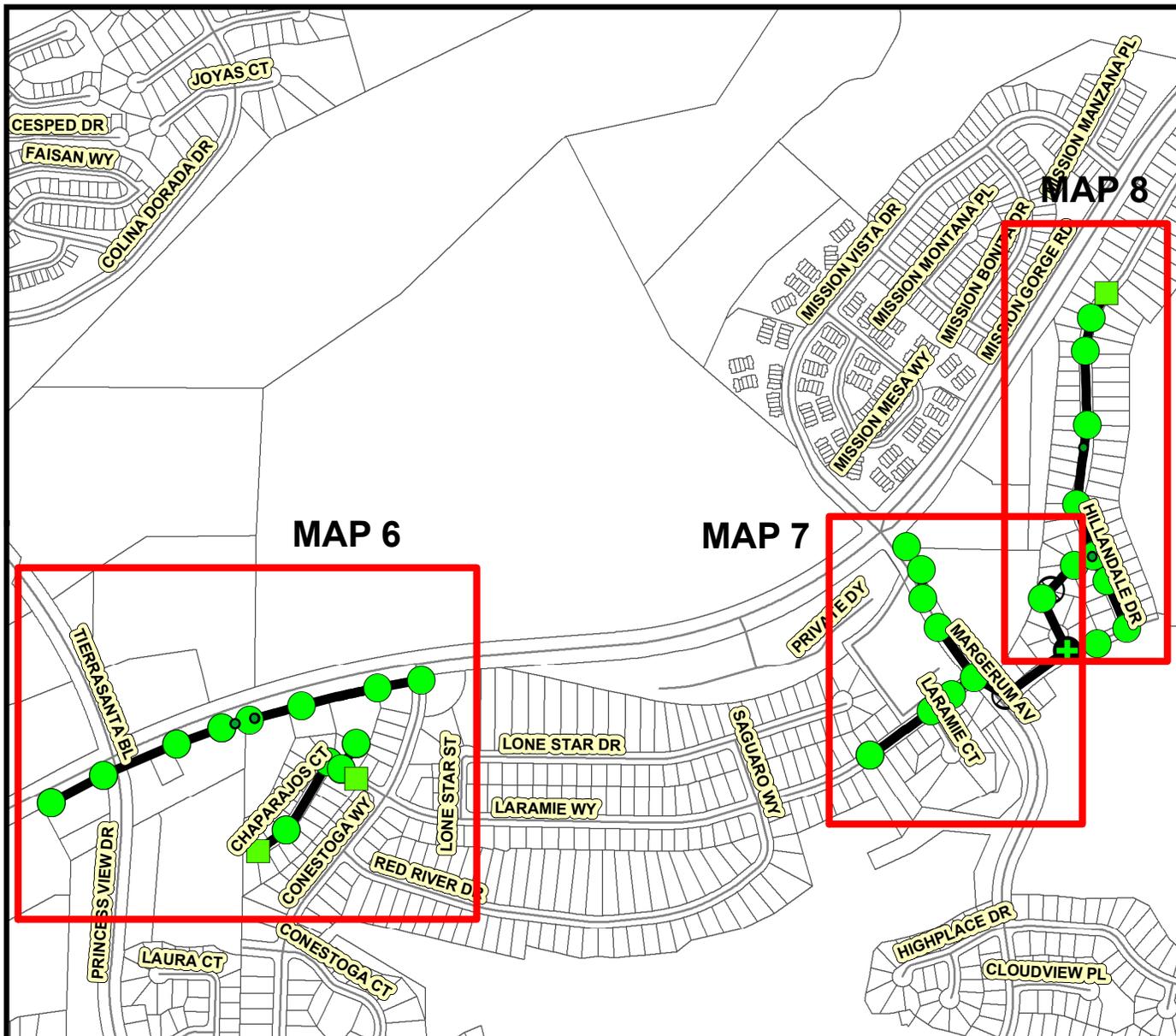
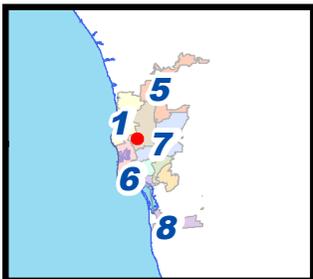
**KEY MAP 2**

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

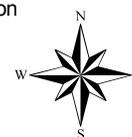
PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



**Legend**

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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# Engineering & Capital Projects

## PIPELINE REHABILITATION BB-1

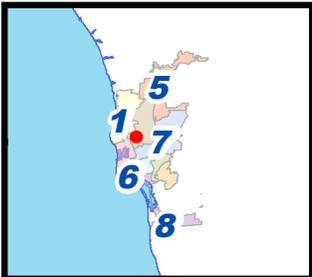
### KEY MAP 3

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

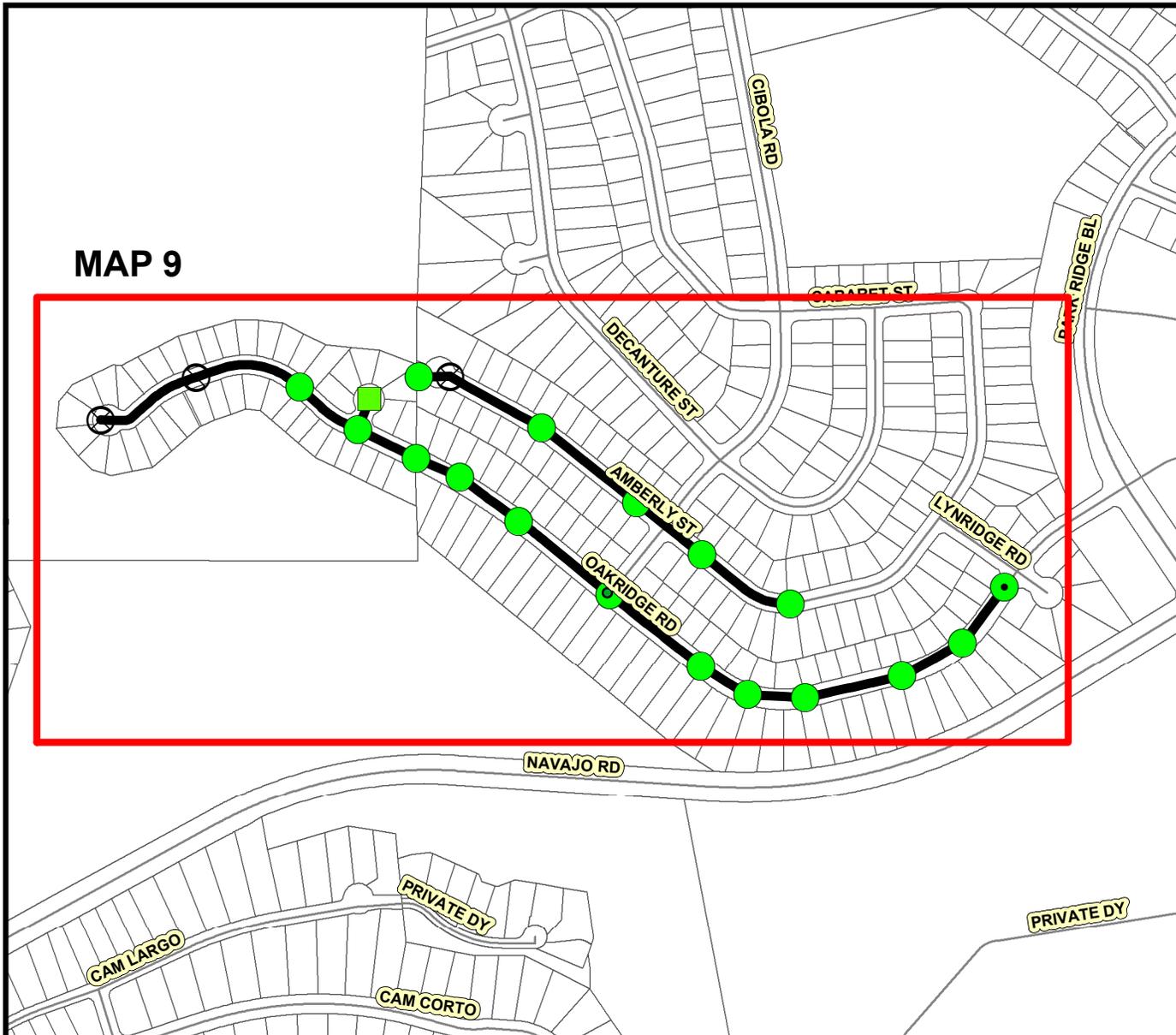
PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

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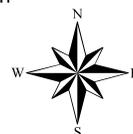


### MAP 9



### Legend

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



COMMUNITY NAME: Navajo

COUNCIL DISTRICT: 7

WBS NO: B19201

Date: July 22, 2020  
Pipeline Rehabilitation BB-1

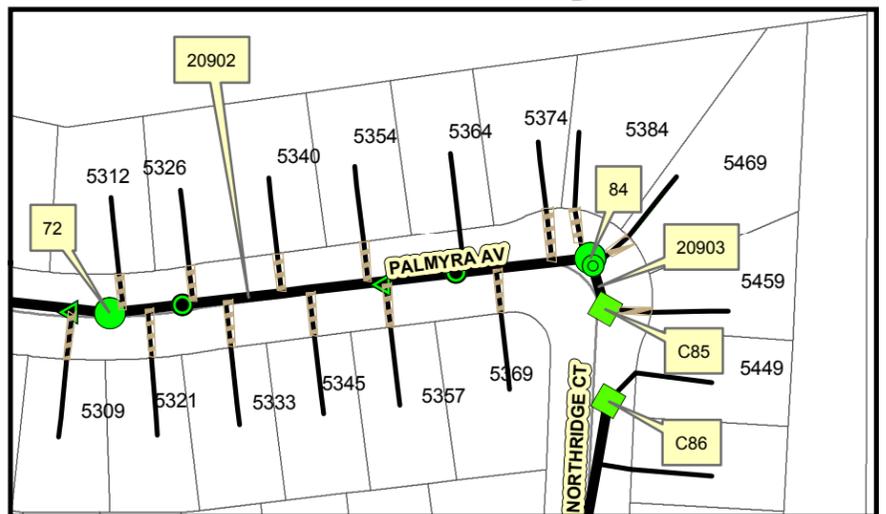
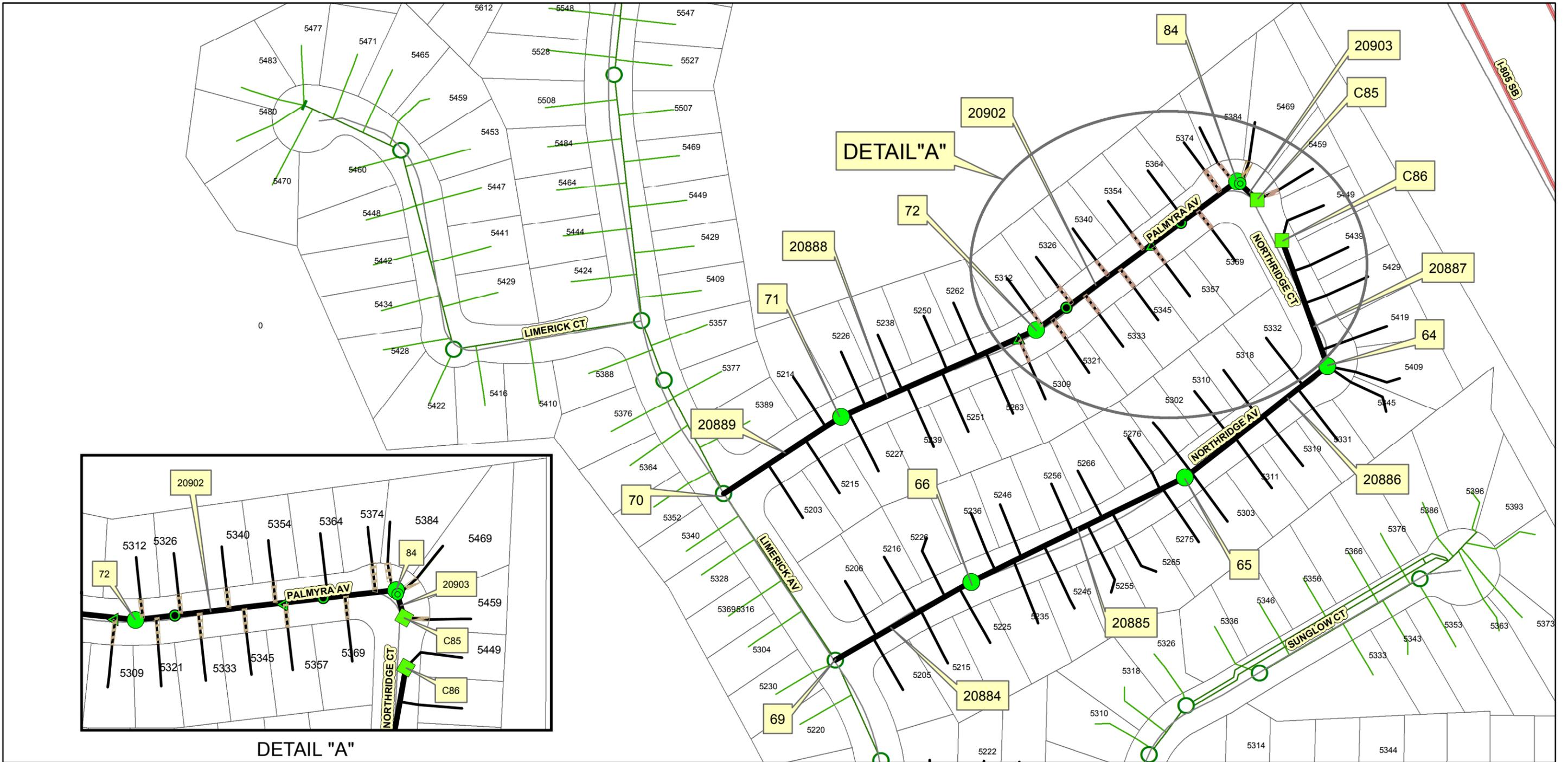
Appendix G - Site Maps



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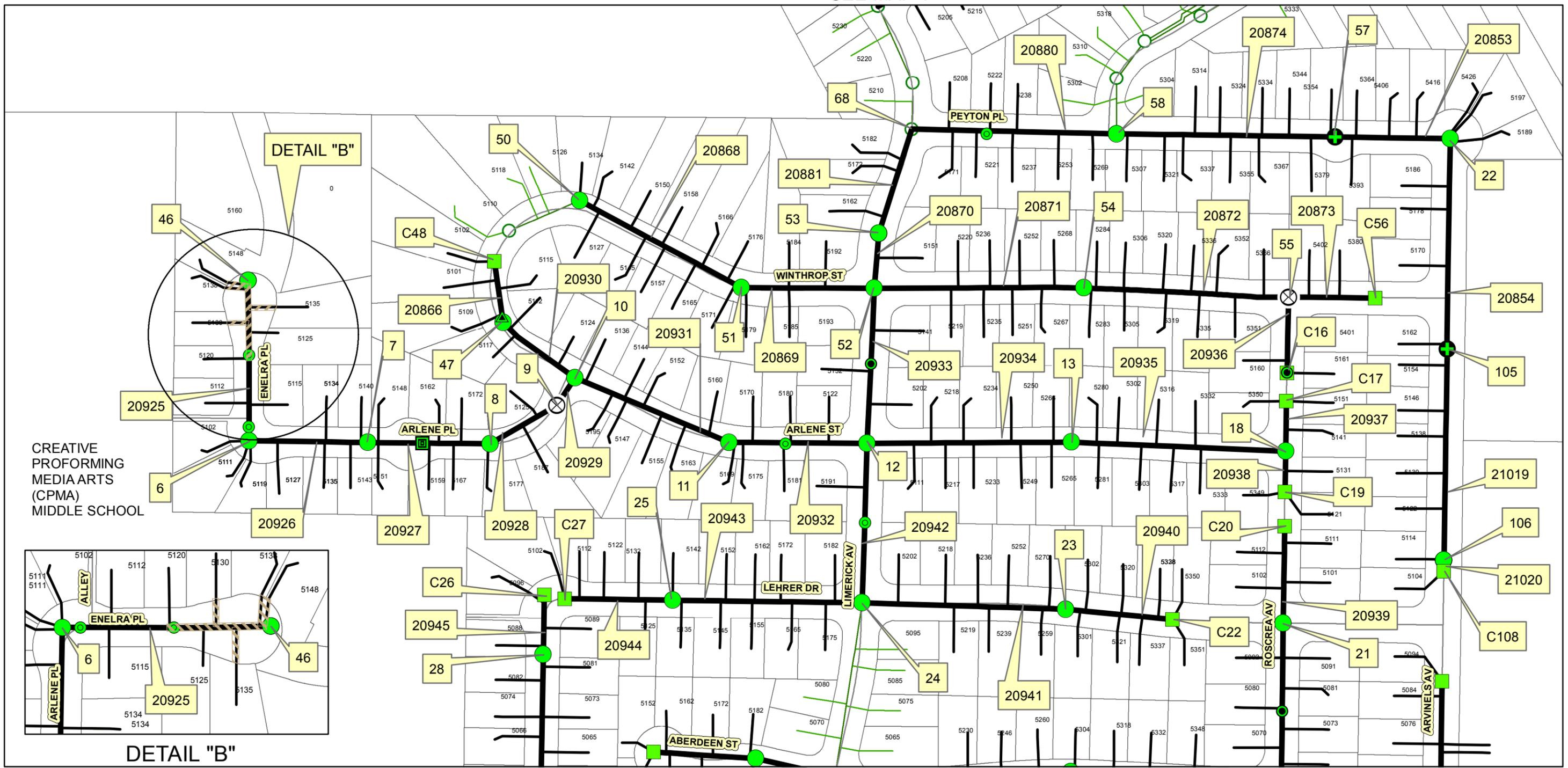


SEE MAP 2

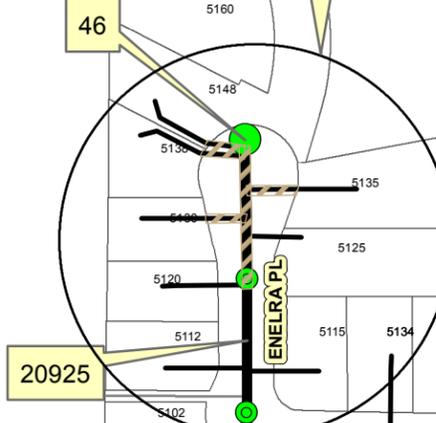
<b>Legend</b> <ul style="list-style-type: none"> <li><span style="color: green;">▲</span> External Lateral Point Repair</li> <li><span style="color: green;">●</span> External Point Repair</li> <li><span style="color: green;">○</span> Internal Point Repair</li> <li><span style="border: 1px solid green; padding: 2px;"> </span> Intruding Lateral Point Repair</li> <li><span style="background-color: lightgreen; width: 10px; height: 10px; display: inline-block;"></span> Proposed Cleanouts</li> <li><span style="background-color: lightgreen; width: 10px; height: 10px; border-radius: 50%; display: inline-block;"></span> Proposed MH Rehab</li> <li><span style="background-color: lightgreen; width: 10px; height: 10px; border: 1px solid green; border-radius: 50%; display: inline-block;"></span> Proposed MH New</li> <li><span style="color: green;">+</span> Proposed MH Rehabilitation w/Point Repair</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Proposed MH Replacement</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Proposed Lateral Rehabilitation</li> <li><span style="border-bottom: 4px solid black; width: 20px; display: inline-block;"></span> Proposed Pipeline Rehabilitation</li> <li><span style="border-bottom: 2px solid green; width: 20px; display: inline-block;"></span> Existing Mains</li> <li><span style="border-bottom: 2px dashed green; width: 20px; display: inline-block;"></span> Existing Laterals</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Existing Manholes</li> </ul>		<ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">C123</span> CLEANOUT ID NUMBER</li> <li><span style="border: 1px solid black; padding: 2px;">123</span> MANHOLE ID NUMBER</li> <li><span style="border: 1px solid black; padding: 2px;">12345</span> FSN (Facility Sequence Number)</li> <li><span style="background-color: #e0e0e0; border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Existing Concrete Pipeline Encasement (Main or Lateral)</li> </ul>	<p><b>PIPELINE REHABILITATION BB-1</b></p> <p>The City of <b>SAN DIEGO</b> Public Utilities</p>
<p>Pipeline Rehabilitation BB-1</p>		<p>Appendix G - Site Maps</p>	<p>NOT TO SCALE</p> <p><b>WBS#</b> B-19201</p> <p><b>MAP NO.</b> 1 of 9</p> <p>104   Page</p>

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SEE MAP 1



DETAIL "B"



DETAIL "B"

CREATIVE PROFORMING MEDIA ARTS (CPMA) MIDDLE SCHOOL

SEE MAP 3

SEE MAP 5

**Legend**

- External Lateral Point Repair
- Internal Point Repair
- External Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Mains
- Laterals
- Existing Manholes

- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)
- Existing Concrete Pipeline Encasement (Main or Lateral)

**PIPELINE REHABILITATION BB-1**

The City of **SAN DIEGO** Public Utilities



WBS#  
B-19201

MAP NO.  
2 of 9  
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SEE MAP 5

**Legend**

- External Lateral Point Repair
- External Point Repair
- Internal Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Existing Mains
- Existing Laterals
- Existing Manholes

- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

**PIPELINE REHABILITATION BB-1**

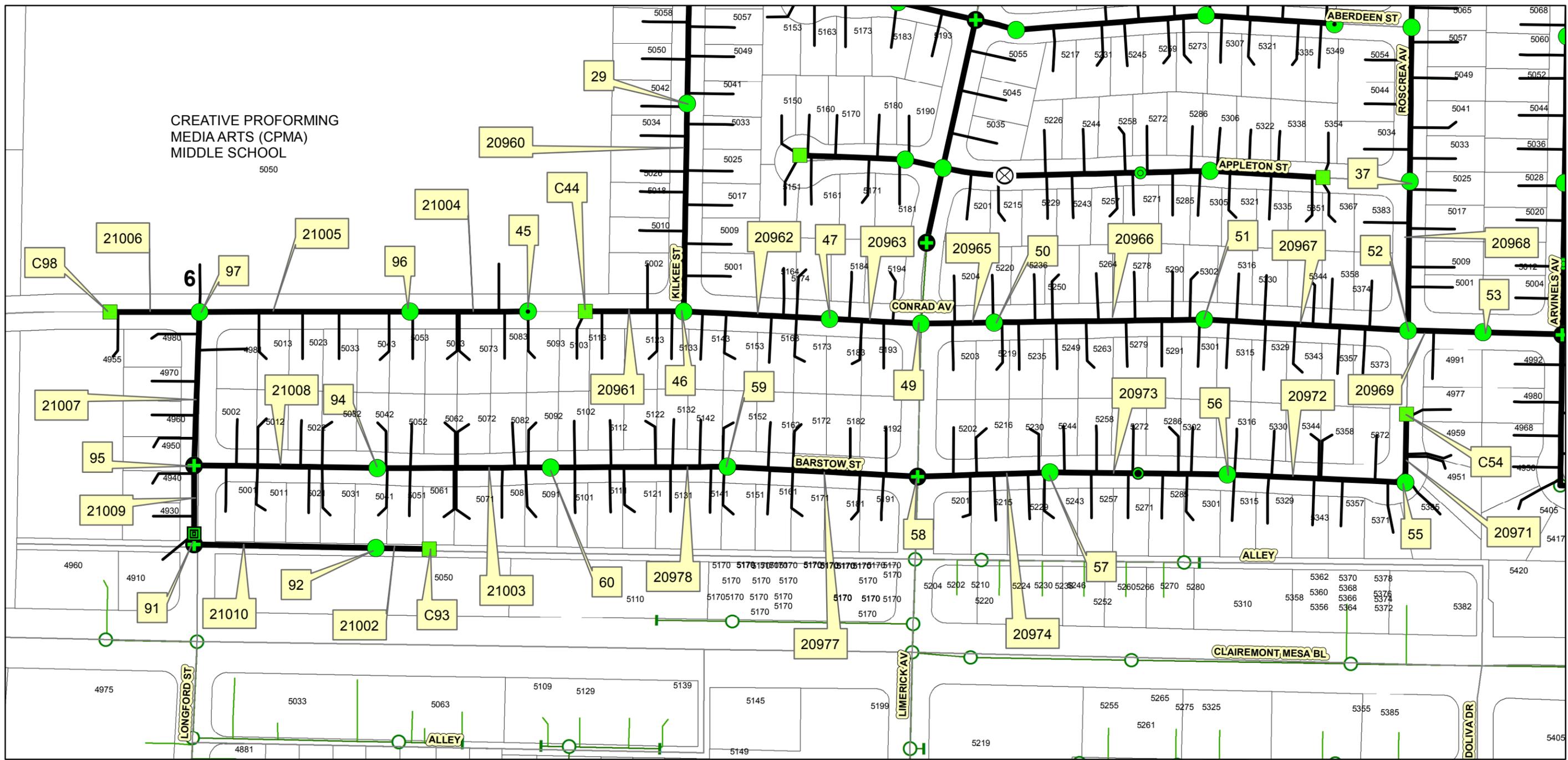


WBS#  
B-19201

MAP NO.  
3 of 9

SEE MAP 3

SEE MAP 5



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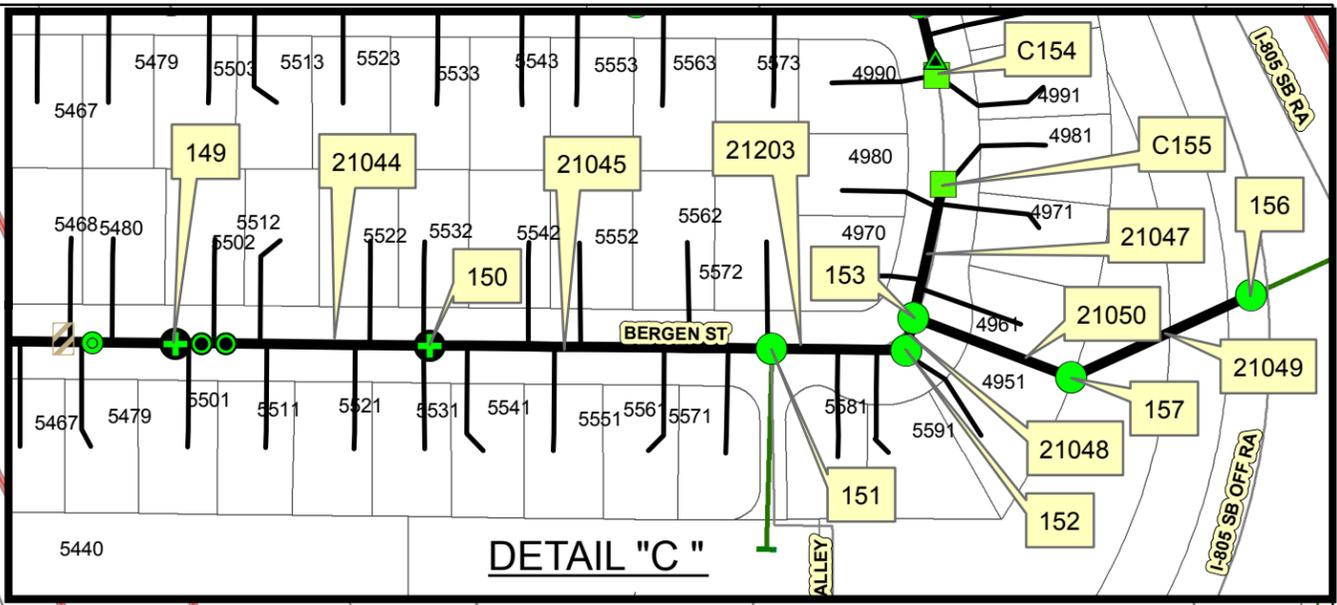
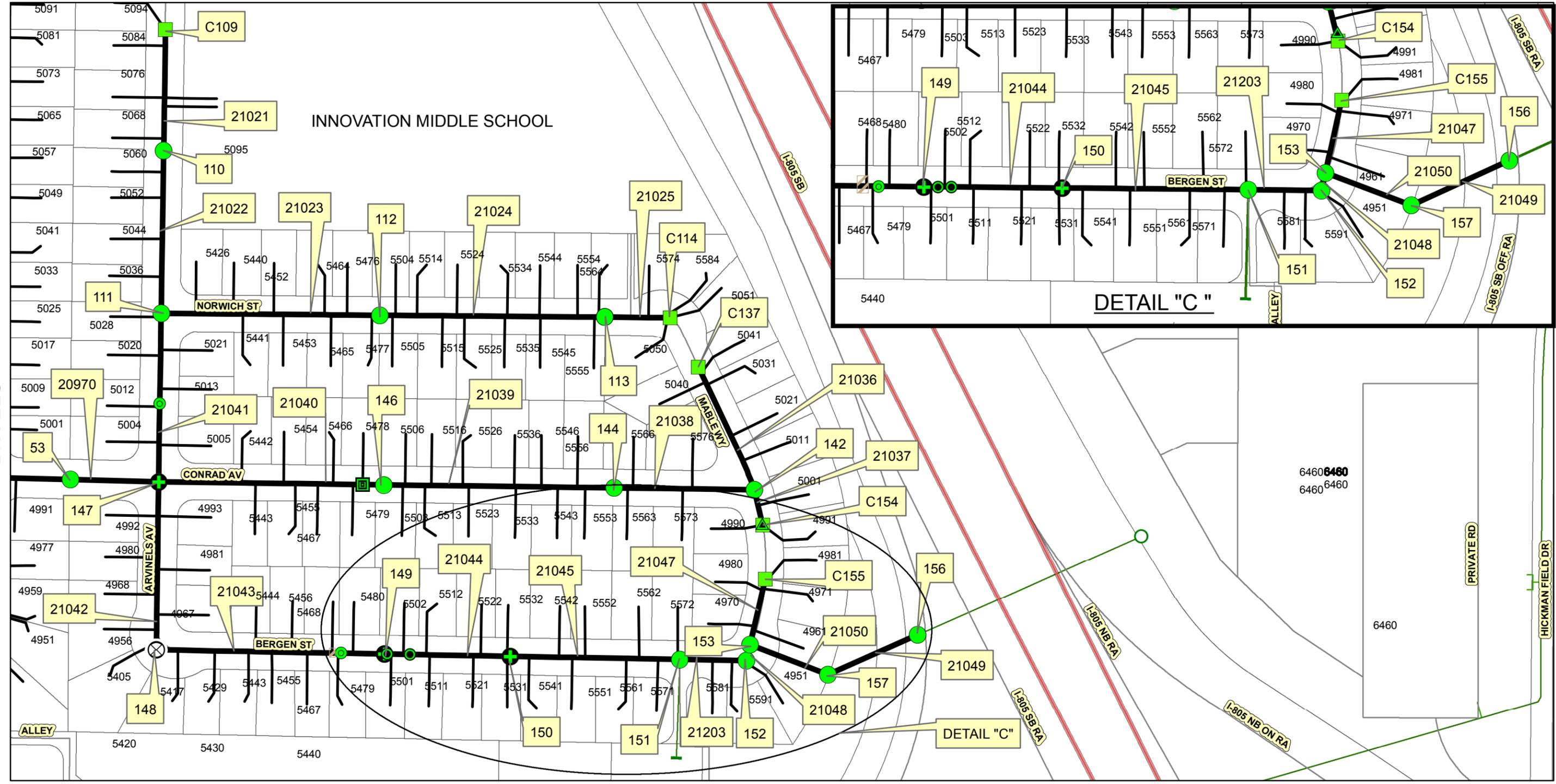
<b>Legend</b>		C123 CLEANOUT ID NUMBER		<b>PIPELINE REHABILITATION BB-1</b> The City of <b>SAN DIEGO</b> Public Utilities							
External Lateral Point Repair	Proposed MH Rehabilitation w/Point Repair	123 MANHOLE ID NUMBER	12345 FSN (Facility Sequence Number)								
External Point Repair	Proposed MH Replacement										
Internal Point Repair	Proposed Lateral Rehabilitation			WBS# <b>B-19201</b>							
Intruding Lateral Point Repair	Proposed Pipeline Rehabilitation					MAP NO. <b>4 of 9</b>					
Proposed Cleanouts	Existing Mains							NOT TO SCALE			
Proposed MH New	Existing Laterals									Appendix G - Site Maps	
Proposed MH Rehabilitation	Existing Manholes										

SEE MAP 2

SEE MAP 3

SEE MAP 4

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### Legend

External Lateral Point Repair	Proposed MH Rehabilitation w/Point Repair	C123 CLEANOUT ID NUMBER
External Point Repair	Proposed MH Replacement	123 MANHOLE ID NUMBER
Intruding Lateral Point Repair	Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)
Proposed Cleanouts	Proposed Pipeline Rehabilitation	Existing Concrete Pipeline Encasement (Main or Lateral)
Internal Point Repair	Mains	
Proposed MH New	Laterals	
Proposed MH Rehabilitation	Existing Manhole	

## PIPELINE REHABILITATION BB-1

The City of **SAN DIEGO** Public Utilities

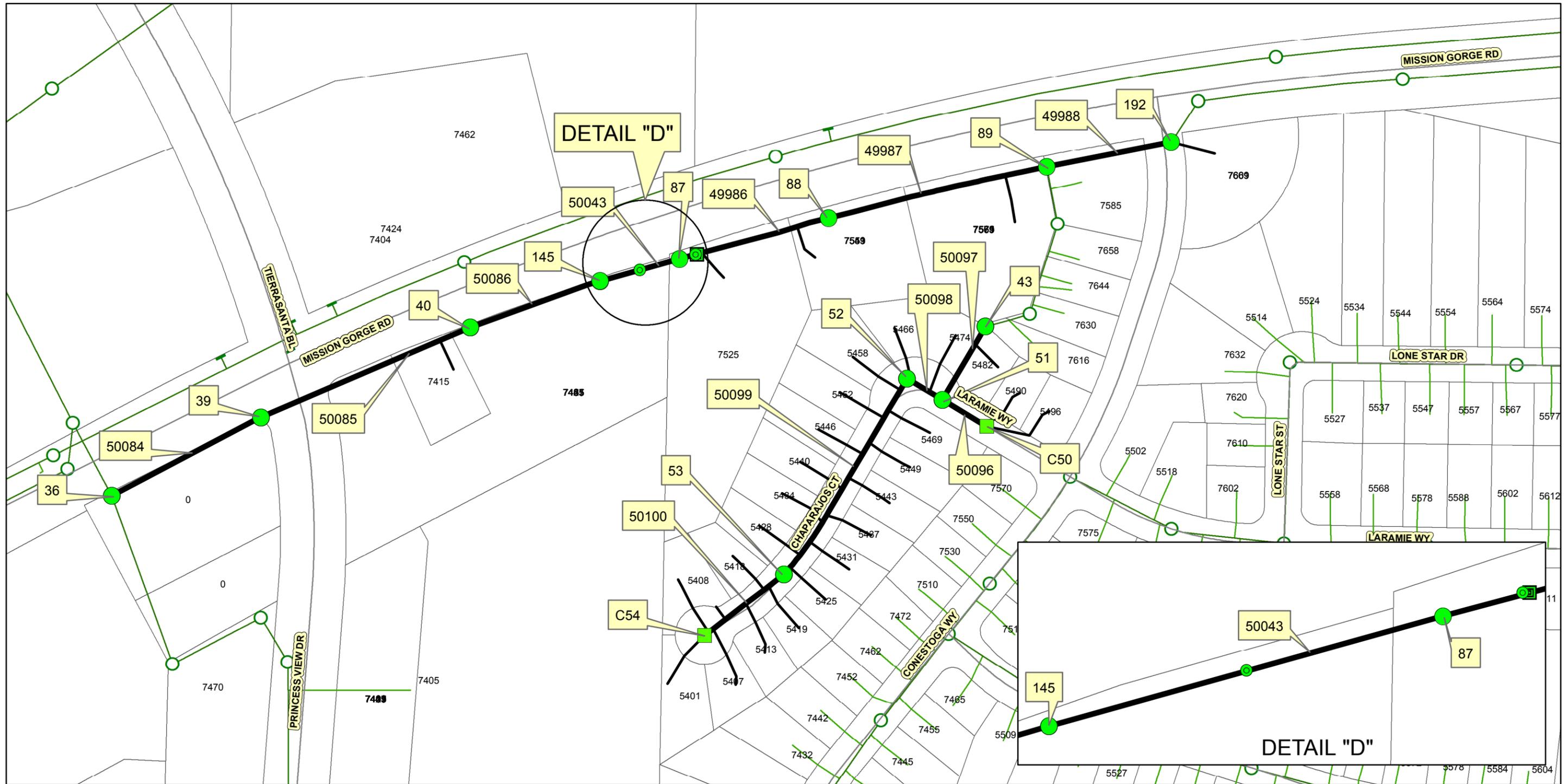
NOT TO SCALE

**WBS#**  
**B-19201**

**MAP NO.**  
**5 of 9**  
 108 | Page

Appendix G - Site Maps

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SEE MAP 7

**Legend**

- ▲ External Lateral Point Repair
- External Point Repair
- Internal Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Existing Mains
- Existing Laterals
- Existing Manholes

- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

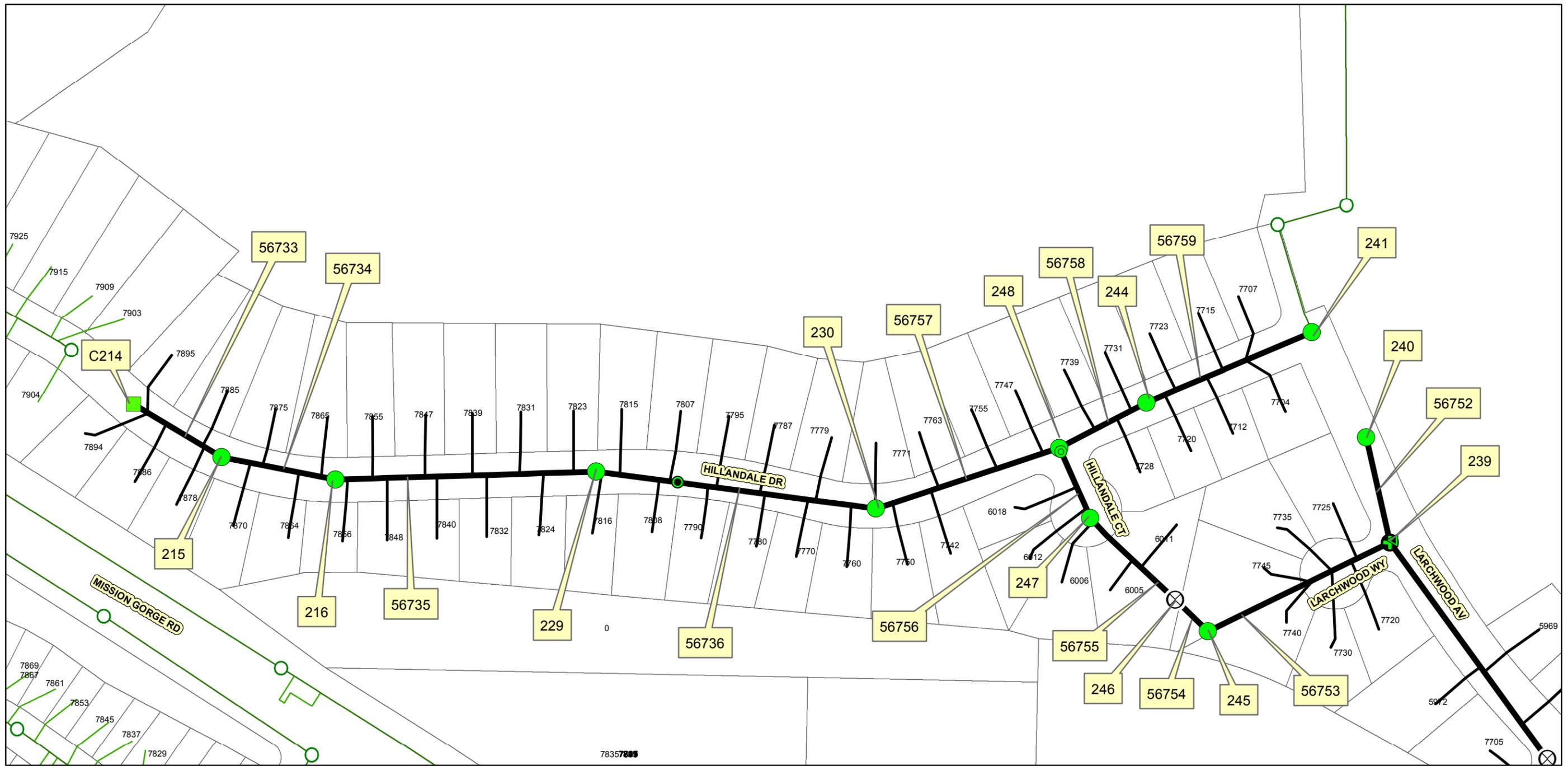
**PIPELINE REHABILITATION BB-1**

The City of **SAN DIEGO** Public Utilities

 NOT TO SCALE	<b>WBS#</b> <b>B-19201</b>	<b>MAP NO.</b> <b>6 of 9</b> 109   Page
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SEE MAP 9

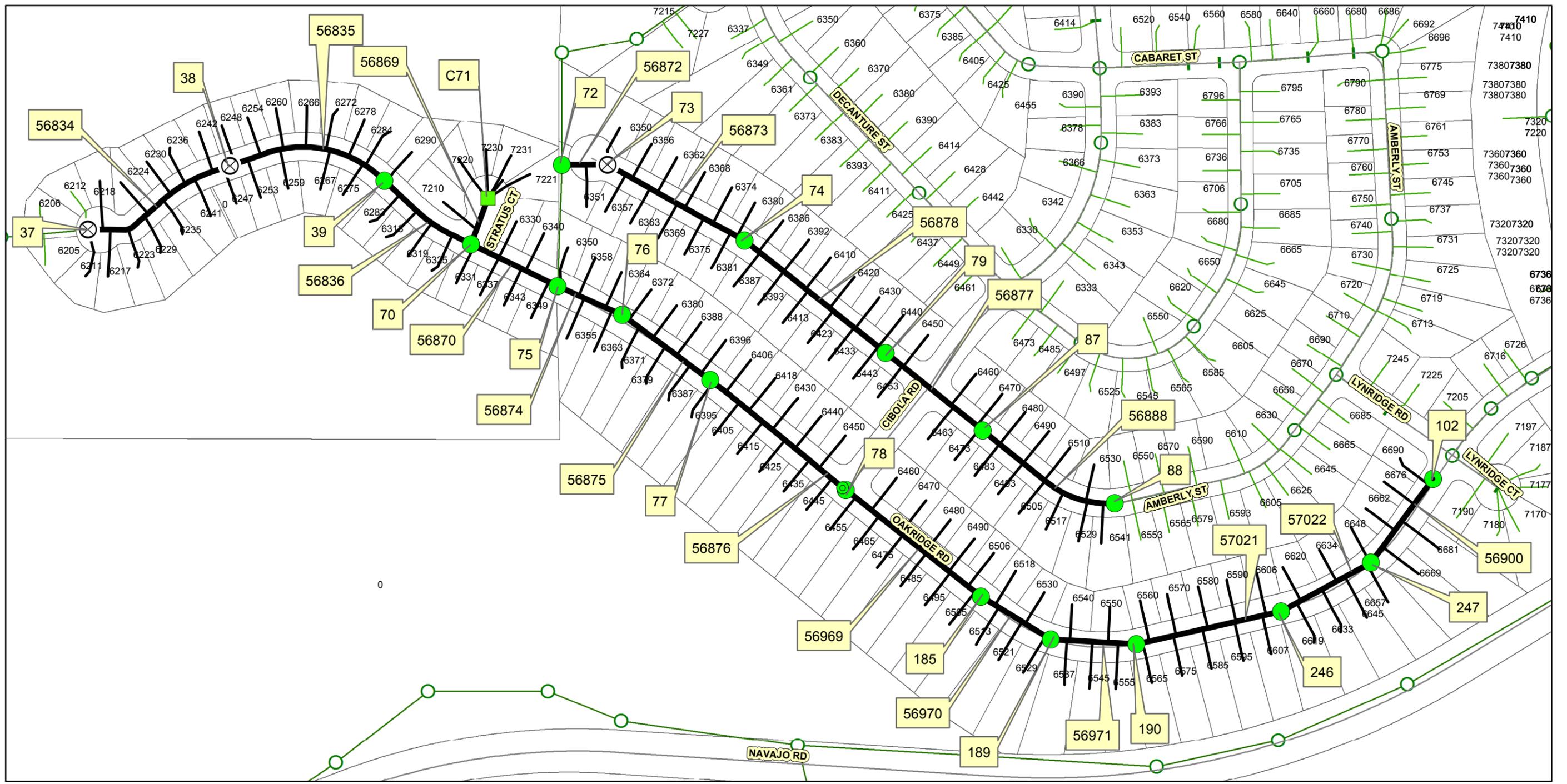
SEE MAP 7

<h3>Legend</h3>		<p><b>C123</b> CLEANOUT ID NUMBER</p> <p><b>123</b> MANHOLE ID NUMBER</p> <p><b>12345</b> FSN (Facility Sequence Number)</p>		<h2>PIPELINE REHABILITATION BB-1</h2> <p>The City of <b>SAN DIEGO</b> Public Utilities</p>	
▲ External Lateral Point Repair	⊕ Proposed MH Rehabilitation w/Point Repair			 NOT TO SCALE	<b>WBS#</b> <b>B-19201</b>
● External Point Repair	⊗ Proposed MH Replacement				
● Internal Point Repair	— Proposed Lateral Rehabilitation				
■ Intruding Lateral Point Repair	— Proposed Pipeline Rehabilitation				
■ Proposed Cleanouts	— Existing Mains				
● Proposed MH New	— Existing Laterals				
● Proposed MH Rehabilitation	○ Existing Manholes				

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SEE MAP 8

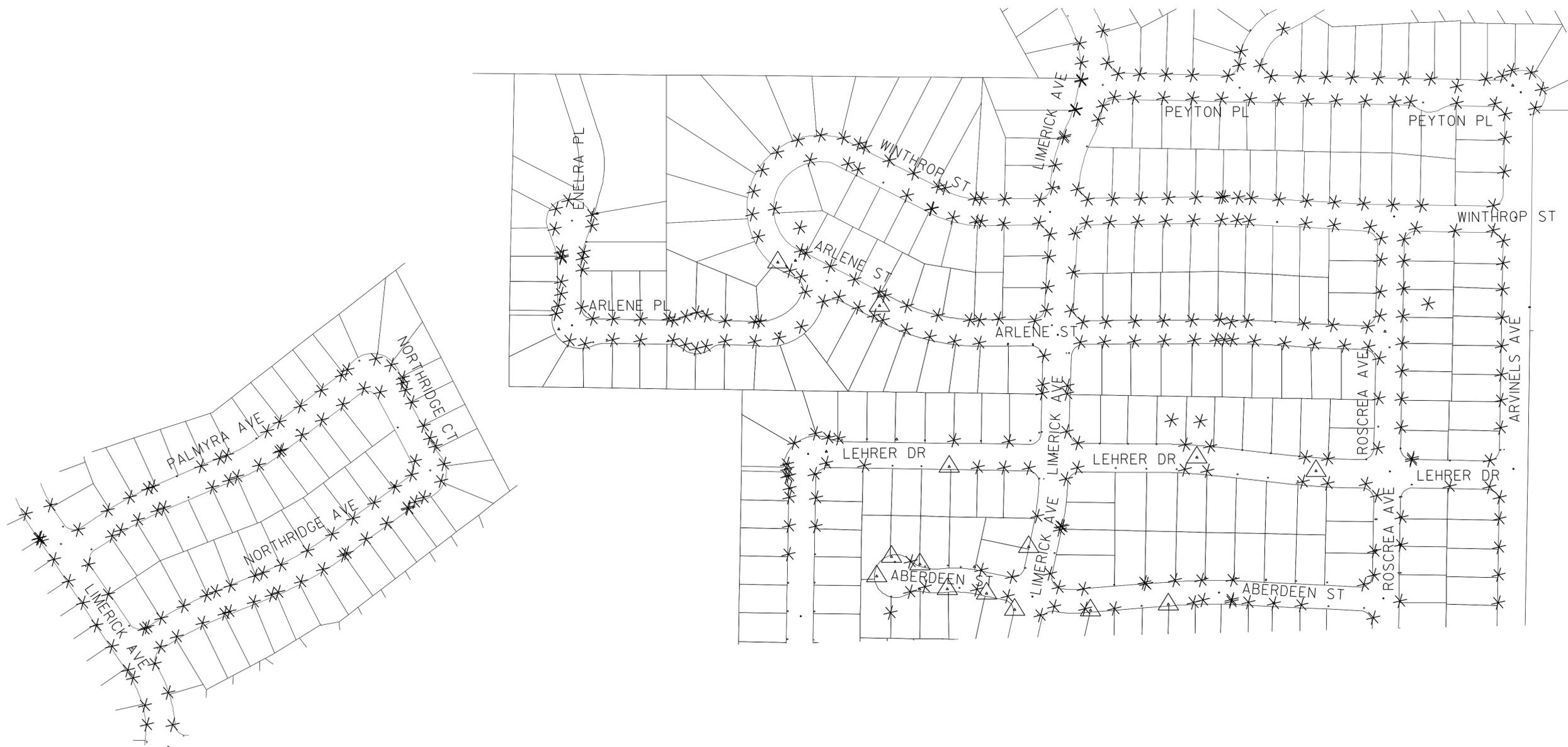
SEE MAP 7



**Legend**

External Lateral Point Repair	Proposed MH Rehabilitation w/Point Repair	C123 CLEANOUT ID NUMBER
External Point Repair	Proposed MH Replacement	123 MANHOLE ID NUMBER
Internal Point Repair	Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)
Intruding Lateral Point Repair	Proposed Pipeline Rehabilitation	
Proposed Cleanouts	Existing Mains	
Proposed MH New	Existing Laterals	
Proposed MH Rehabilitation	Existing Manholes	

**PIPELINE REHABILITATION BB-1**  
 The City of **SAN DIEGO** Public Utilities  
 NOT TO SCALE  
**WBS# B-19201**  
**MAP NO. 9 of 9**  
 Appendix G - Site Maps  
 112 | Page



MONUMENTATION / SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS, WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND

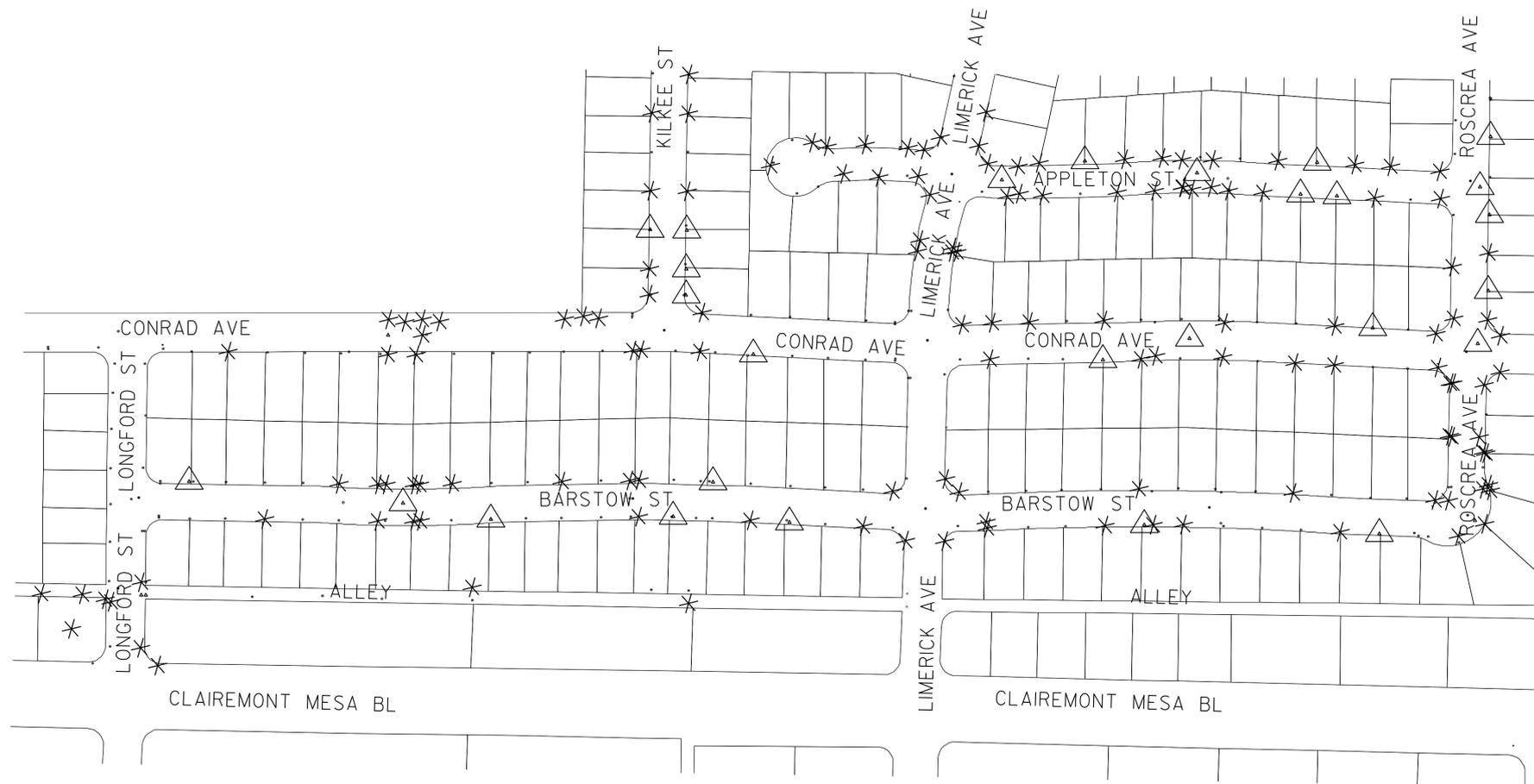
- LOCATION OF EXISTING SURVEY MONUMENT
- LOCATION OF EXISTING M-IOA
- LOCATION OF SURVEY BENCH MARK
- LOCATION OF FOUND GPS POINT
- LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



WBS #  
B-19201

SEE MAP  
SHEET 1 OF 5



MONUMENTATION / SURVEY NOTES

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LEGEND

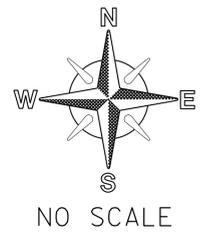
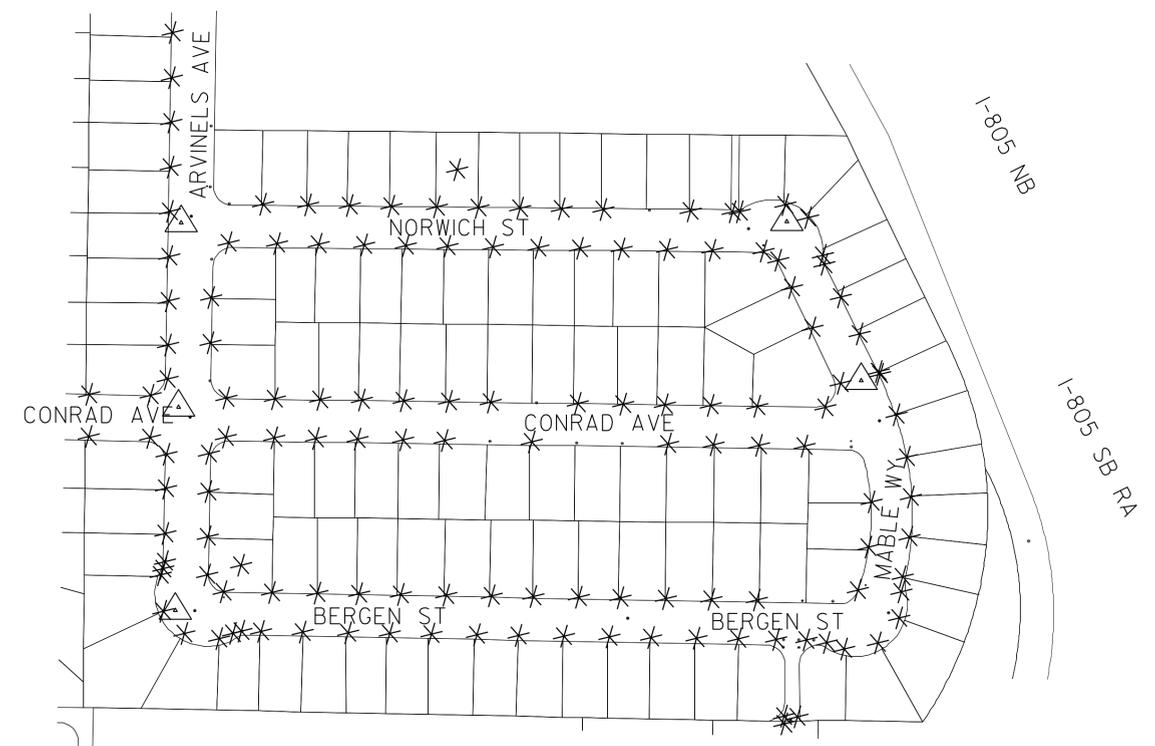
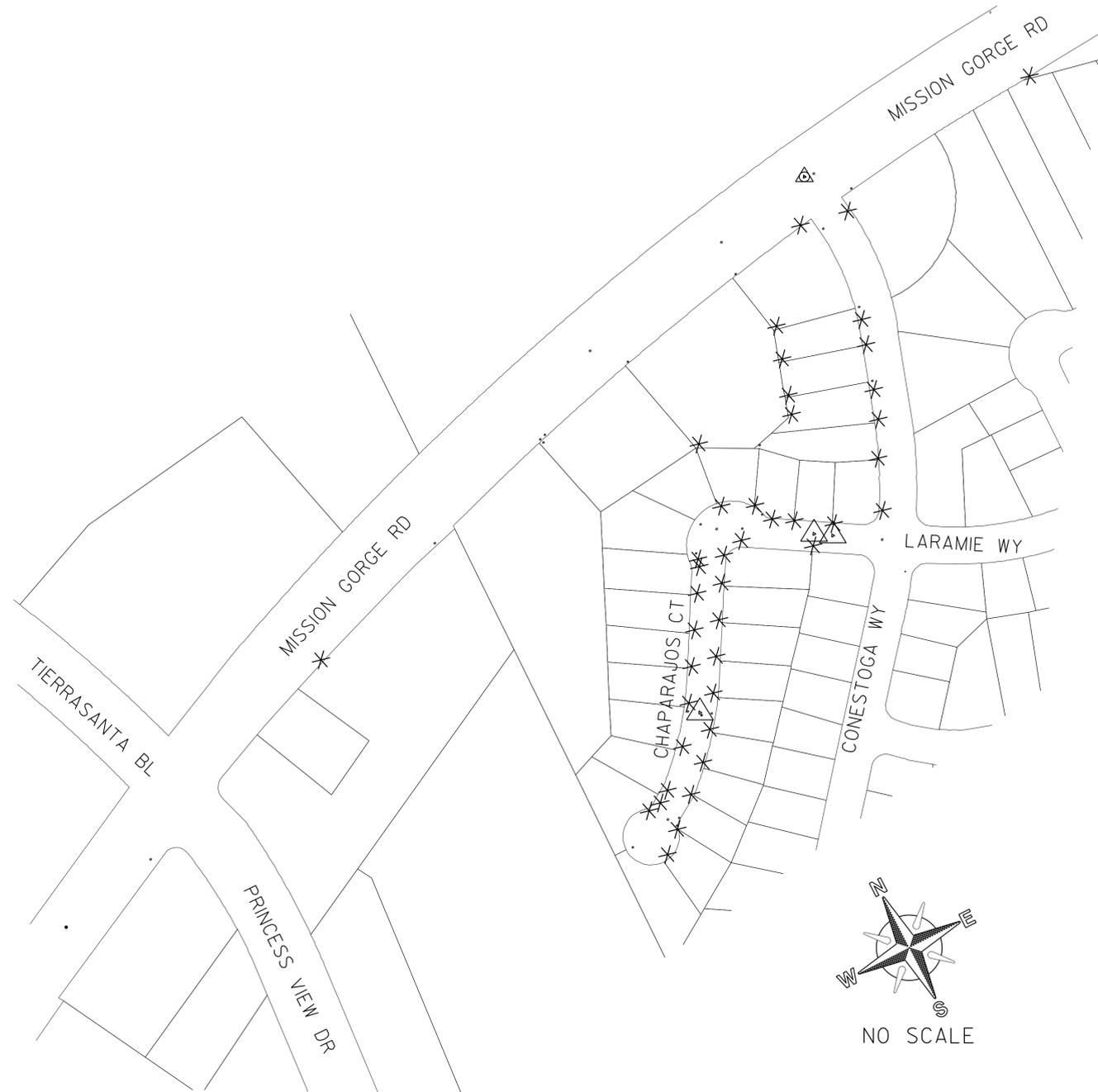
- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-IOA
- LOCATION OF SURVEY BENCH MARK
- ⊗ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



WBS #  
B-19201

SEE MAP  
SHEET 2 OF 5



MONUMENTATION / SURVEY NOTES

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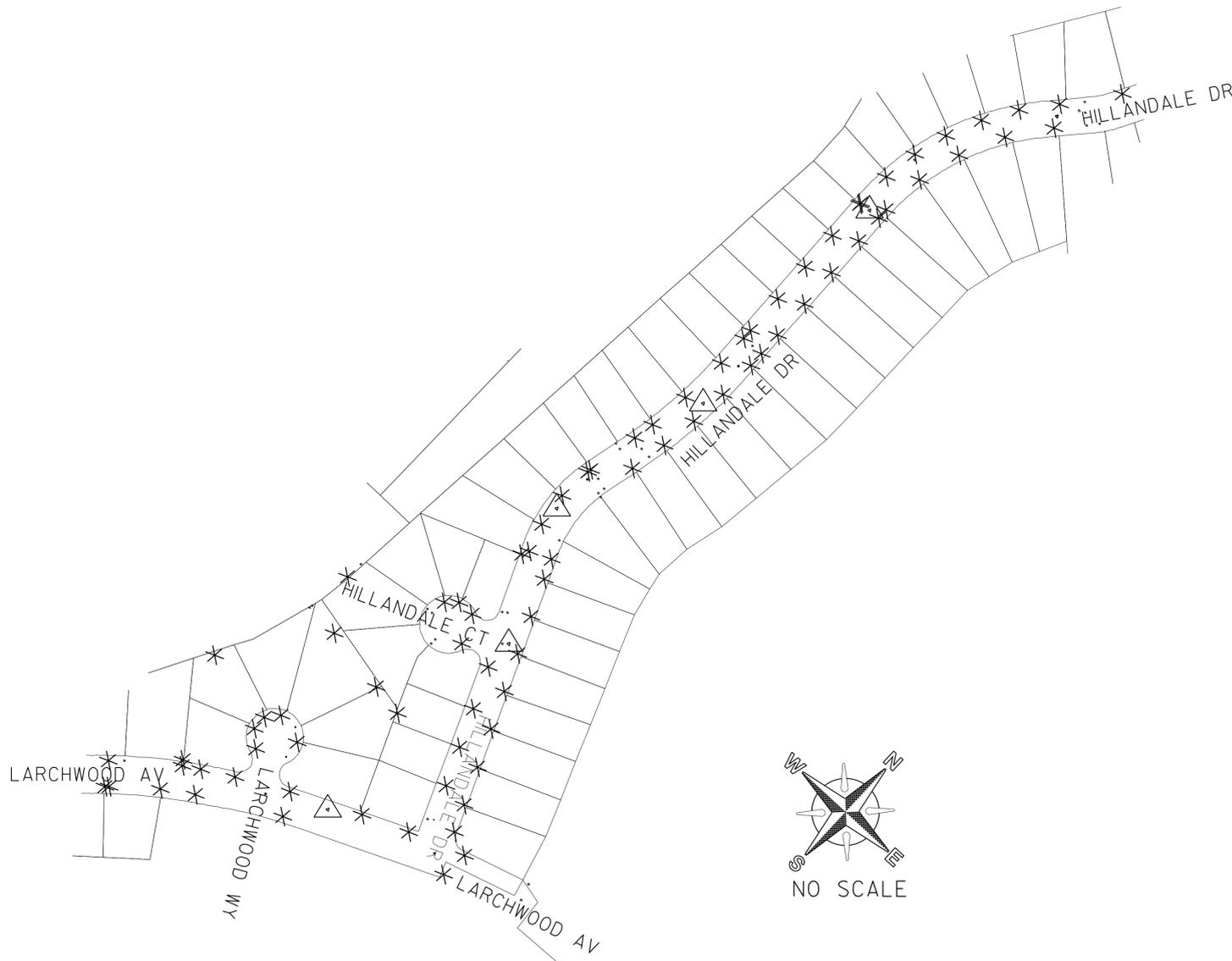
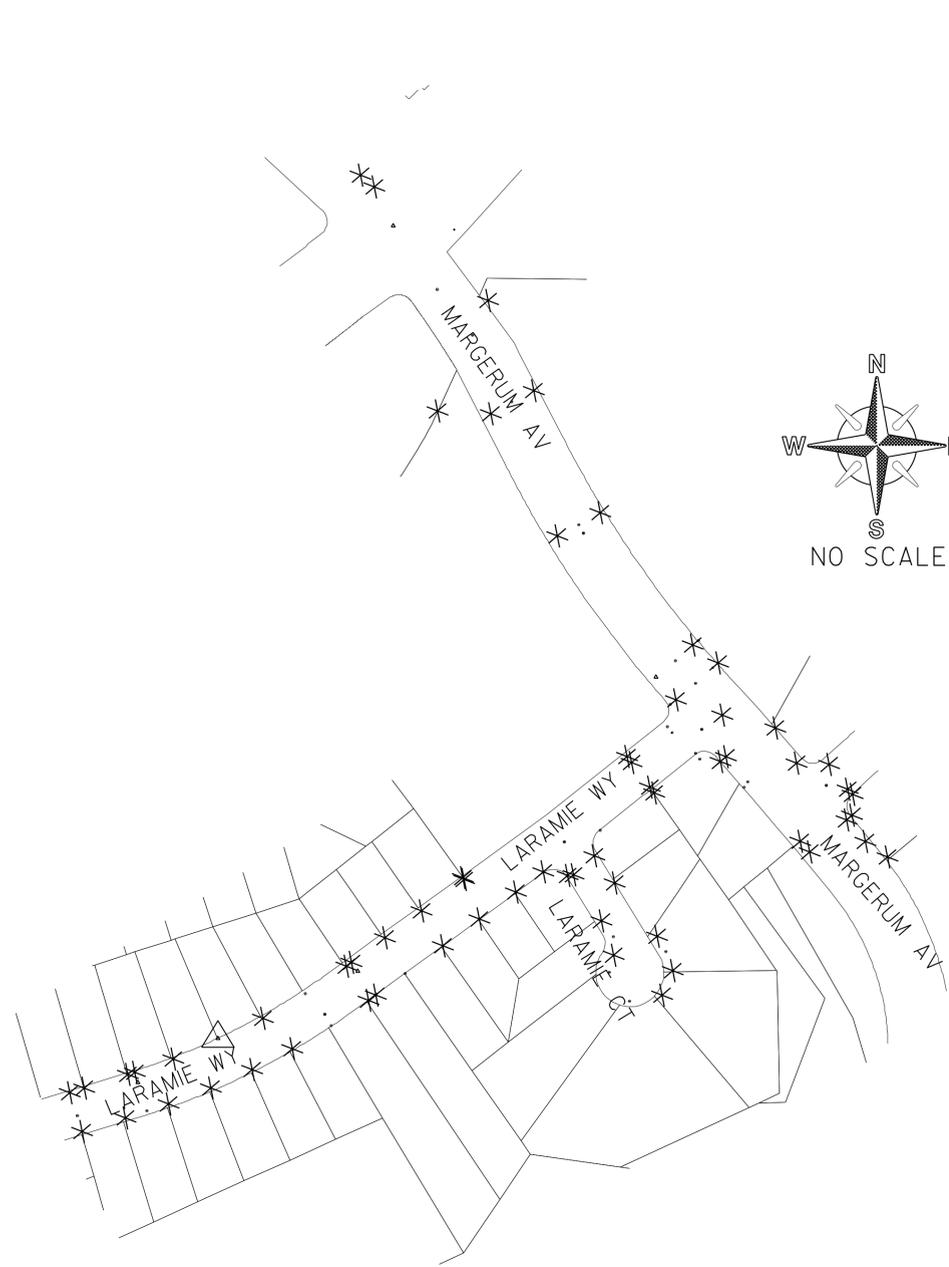
LEGEND

- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-IOA
- LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION

WBS #  
B-19201

SEE MAP  
SHEET 3 OF 5



MONUMENTATION / SURVEY NOTES

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LEGEND	
	LOCATION OF EXISTING SURVEY MONUMENT
	LOCATION OF EXISTING M-IOA
	LOCATION OF SURVEY BENCH MARK
	LOCATION OF FOUND GPS POINT
	LOCATION OF FOUND EVIDENCE OF MONUMENT
	MAP NUMBER

PIPELINE REHABILITATION BB-1 MONUMENT PERPETUATION	
WBS # B-19201	SEE MAP SHEET 4 OF 5



MONUMENTATION / SURVEY NOTES

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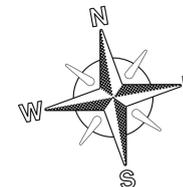
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LEGEND

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- △ LOCATION OF EXISTING M-IOA
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- ⊗ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



NO SCALE

WBS #  
B-19201

SEE MAP  
SHEET 5 OF 5

PIPELINE REHABILITATION BB-1

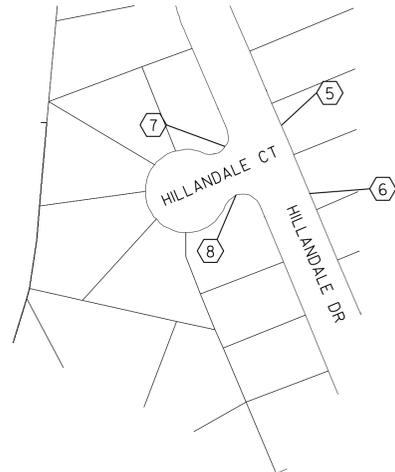
**APPENDIX H**  
**CURB RAMP MAPS**

**GENERAL CURB RAMP NOTES:**

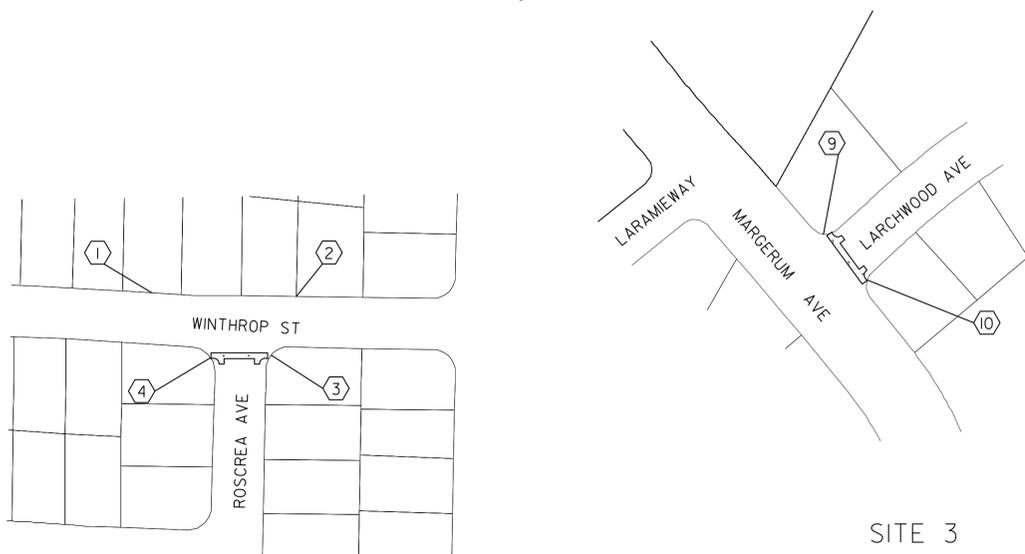
- CONTRACTOR TO GIVE 30 DAY ADVANCE NOTICE TO THE CM AND FS SURVEY SECTION TO RELOCATE ANY SURVEY MONUMENTS OR MARKER DISTURBED DURING CONSTRUCTION.
- HISTORIC STAMPS TO BE SAVED AND REINSTALLED PER SDG-115.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB RAMP, ADJACENT PAVEMENT, CURBS, GUTTERS, AND SIDEWALKS FOR THE INSTALLATION OF A NEW CURB RAMP SHALL COMPLY WITH SDG-156.
- CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING CONSTRUCTION.
- CONTRACTOR TO PROTECT IN PLACE EXISTING POLES, SIGNS, FIRE HYDRANTS, MANHOLES, VAULTS, ELECTRICAL BOXES, AND OTHER UTILITIES.
- WATER METERS AND ELECTRIC UTILITY PULL BOXES MAY BE INCORPORATED ONTO THE CURB RAMP PROVIDED THE ACCESS COVER IS STABLE, SLIP RESISTANT, AND ADJUSTED TO BE FLUSH WITH GRADE.
- UTILITY POLES MAY BE INCORPORATED INTO THE FLARES OF THE CURB RAMP PROVIDED THAT THE REQUIRED ACCESSIBLE ROUTE WIDTH AND HEIGHT REQUIREMENTS ARE MAINTAINED.
- THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT EXCEED 8.33%. IF THE CONDITION OF THE STREET AND SIDEWALK IS SUCH THAT THE EXISTING SLOPES DO NOT ALLOW THE INSTALLATION OF THE REQUIRED RUNNING SLOPE, THEN THE RAMP LENGTH CAN BE EXTENDED UP TO 15 LINEAR FEET EVEN IF THE REQUIRED SLOPE IS NOT ACHIEVED.
- THE CONTRACTOR MAY USE NON STAINLESS STEEL MATERIAL PER THE CITY'S APPROVED MATERIAL LIST IF THE DETECTABLE WARNING TILE (DTW) HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- THE TRANSITIONS FROM THE RAMP TO THE SIDEWALK OR STREET SURFACE SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MILL PAVEMENT AT THE STREET SURFACE IF NECESSARY.
- MAINTAIN A 1.5% CROSS SLOPE PERPENDICULAR TO THE PATH OF TRAVEL ON THE WALK AND RAMP LANDING.
- PONDING IS NOT ALLOWED WITHIN THE LIMITS OF THE CURB RAMP.
- PROVIDE A RETAINING CURB BEHIND THE CURB RAMP IF THE ADJACENT GRADE IS HIGHER OR LOWER THAN THE SIDEWALK OR CURB RAMP LANDING SURFACE. THE HEIGHT OF THE RETAINING CURB SHALL BE 2" HIGHER THAN THE ADJACENT GRADE. IF THE GRADE IS LOWER, A 6" HIGH CONCRETE CURB SHALL BE USED. IF THE GRADE IS LOWER THAN 24" A PROTECTIVE RAILING SHALL BE PROVIDED.
- THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
- CONTRACTOR IS TO REPLACE ANY LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS ALONG THE SIDEWALK AREAS LEADING TO AND IMMEDIATELY SURROUNDING THE CURB RAMP.
- ANY DEVIATION FROM THESE PROVISIONS REQUIRES PRIOR APPROVAL FROM THE ENGINEER.
- CONTRACTOR TO PLACE AN EMBEDDED STAMP WITH THEIR NAME AND YEAR OF INSTALLATION ON TOP OF THE CURB ADJACENT TO FLARE.

**CURB RAMP NOTES TABLE**

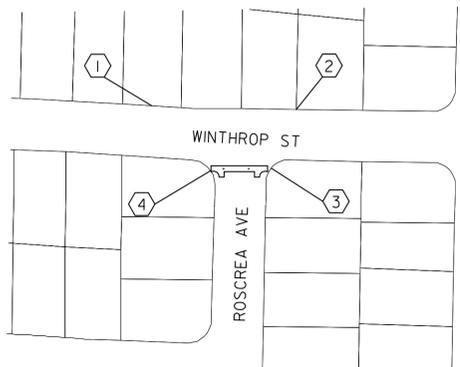
LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER	
1	B		10'		X					X		ENSURE THERE IS A 4' OR MORE SEPARATION BETWEEN THE EDGE OF THE CURB RAMP AND THE EXISTING DRIVEWAY WING
2	B		10'		X					X		COORDINATE WITH PROPERTY OWNER THE REMOVAL OF LANDSCAPING/ PLANTINGS
3	A		10'		X					X		INSTALL CROSS GUTTER AT ROSCREA AVE. INSTALL DUAL CURB RAMP PER SDG-134. RELOCATE STOP SIGN POLE AS NECESSARY.
4	A		10'		X					X		INSTALL CROSS GUTTER AT ROSCREA AVE. INSTALL DUAL CURB RAMP PER SDG-134.
5	CI		5'		X					X		ENSURE 48" MINIMUM LEVEL SIDEWALK ADJACENT TO DRIVEWAY. ADJUST WATER METER TO GRADE.
6	CI		5'		X					X		ENSURE LEVEL LANDING IN FRONT OF PRIVATE WALKWAY.
7	CI		5'		X					X		COORDINATE WITH PROPERTY OWNER THE REMOVAL OF LANDSCAPING PROTECT EXISTING WALL DURING CONSTRUCTION INSTALL DUAL CURB RAMP PER SDG-134
8	CI		5'		X					X		PROTECT EXISTING WALL DURING CONSTRUCTION. ADJUST EXISTING METER TO GRADE. RELOCATE STREET SIGN. INSTALL DUAL CURB RAMP PER SDG-134
9	CI		5'	X						X		INSTALL CROSS GUTTER PER SDG-157. SEE DETAILS ON SHEET 2
10	CI		5'	X						X		INSTALL CROSS GUTTER PER SDG-157. SEE DETAILS ON SHEET 3.



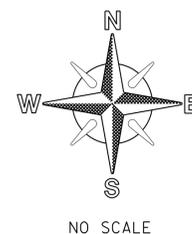
SITE 2



SITE 3  
(SEE DETAIL ON SHEET 2 & 3)



SITE 1



**LEGEND**

- ⬡ CURB RAMP NO's
- ⬢ EX UTILITY POLE
- ⬢ EX FIRE HYDRANT
- ⬢ PEDESTRIAN BARRICADE-TYPE A SDG-141
- ⬢ CROSS GUTTER
- ⬢ EX TREE
- ⬢ EX STREET SIGN
- ⬢ EX CURB RAMP
- ⬢ EX STREET LIGHT
- ⬢ EX BARRICADE

CROSS GUTTER SDG-157  
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:

- DUAL CURB RAMPS SDG-134
- CURB RAMP A & B SDG-132, SDG-133
- CURB RAMP - TYPE C1&C2 SDG-135
- CURB RAMPS NOTES SDG-131
- CURB RAMP-ADDITIONAL DETAILS SDG-136
- GENERAL CURB RAMPS SDG-138
- DETECTABLE WARNING TILES SDG-130



**MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION BB-1**

**CURB RAMP LOCATION**

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING & CAPITAL PROJECTS DEPARTMENT  
SHEET 1 OF 3 SHEETS

APPROVED: *Sheila Bose* 12/23/2020  
FOR CITY ENGINEER DATE  
SHEILA BOSE C59403  
PRINT DCE NAME RCE#

WBS# B-19201  
SUBMITTED BY: ELIZABETH DUNN  
PROJECT MANAGER  
J TALAMAYAN  
PROJECT ENGINEER  
174-2340  
CCS27 COORDINATE  
187444, 6310407  
CCS83 COORDINATE

CONTRACTOR \_\_\_\_\_ DATE STARTED \_\_\_\_\_  
INSPECTOR \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_

42077-01-D

CURB RAMP LOCATION

C-1

HORIZONTAL ALIGNMENT  
Alignment: I3- PROP TOC

POINT STATION NORTHING (Y) EASTING (X)  
ELEMENT BRG/DELTA DIST/LENGTH  
POB 0+00.00 1874628.68 6310868.30 STRAIGHT 2.39 D = 2.65  
PIO+02.65 1874626.74 6310870.10 STRAIGHT 2.43 D = 15.53  
PC 0+18.17 1874615.02 6310880.27 R = -29.75 DELTA = 1.57 LT L = 46.69  
PT 0+64.86 1874612.03 6310922.21 STRAIGHT 0.86 D = 1.60  
PIO+66.46 1874613.08 6310923.42 STRAIGHT 0.80 D = 22.25  
POE 0+88.71 1874628.57 6310939.40

VERTICAL ALIGNMENT

Element: Linear  
POB 0+00.06 349.25  
PVI 0+18.39 348.77  
Tangent Grade: -2.62%  
Tangent Length: 18.33

Element: Linear  
PVI 0+18.39 348.77  
PVI 0+23.66 348.49  
Tangent Grade: -5.29%  
Tangent Length: 5.27

Element: Linear  
PVI 0+23.66 348.49  
PVI 0+29.16 348.22  
Tangent Grade: -4.88%  
Tangent Length: 5.50

Element: Linear  
PVI 0+29.16 348.22  
PVI 0+38.39 347.49  
Tangent Grade: -7.92%  
Tangent Length: 9.23

Element: Linear  
PVI 0+38.39 347.49  
PVI 0+42.39 347.55  
Tangent Grade: 1.45%  
Tangent Length: 4.00

Element: Linear  
PVI 0+42.39 347.55  
PVI 0+49.89 347.79  
Tangent Grade: 3.23%  
Tangent Length: 7.50

Element: Linear  
PVI 0+49.89 347.79  
PVI 0+53.89 347.86  
Tangent Grade: 1.71%  
Tangent Length: 4.00

Element: Linear  
PVI 0+53.89 347.86  
PVI 0+57.39 347.89  
Tangent Grade: 0.94%  
Tangent Length: 3.50

CONSTRUCTION NOTES

- 1 CONSTRUCT A TYPE "C1" CURB RAMP PER DETAIL.
- 2 STAINLESS STEEL DETECTABLE WARNING TILE PER CITY'S AML.
- 3 EXISTING UTILITIES TO BE PROTECTED IN PLACE.
- 4 EXISTING TREES TO BE PROTECTED IN PLACE
- 5 EXISTING SEWER MANHOLE TO BE REPLACED PRIOR TO CROSS GUTTER CONSTRUCTION.
- 6 STOP SIGN TO BE PROTECTED IN PLACE
- 7 WATER METER TO BE PROTECTED IN PLACE
- 8 CONSTRUCT RETAINING CURB BEHIND ENTIRE RAMP
- 9 EDGE OF CROSS GUTTER CONCRETE
- 10 EXISTING STOP LIMIT LINE
- 11 EXISTING SURVEY MONUMENT TO BE PERPETUATED
- 12 REPLACE CONCRETE GUTTER PER SDG-157

NOTE:

CONTRACTOR TO NOTIFY CM & FS SURVEY SECTION 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

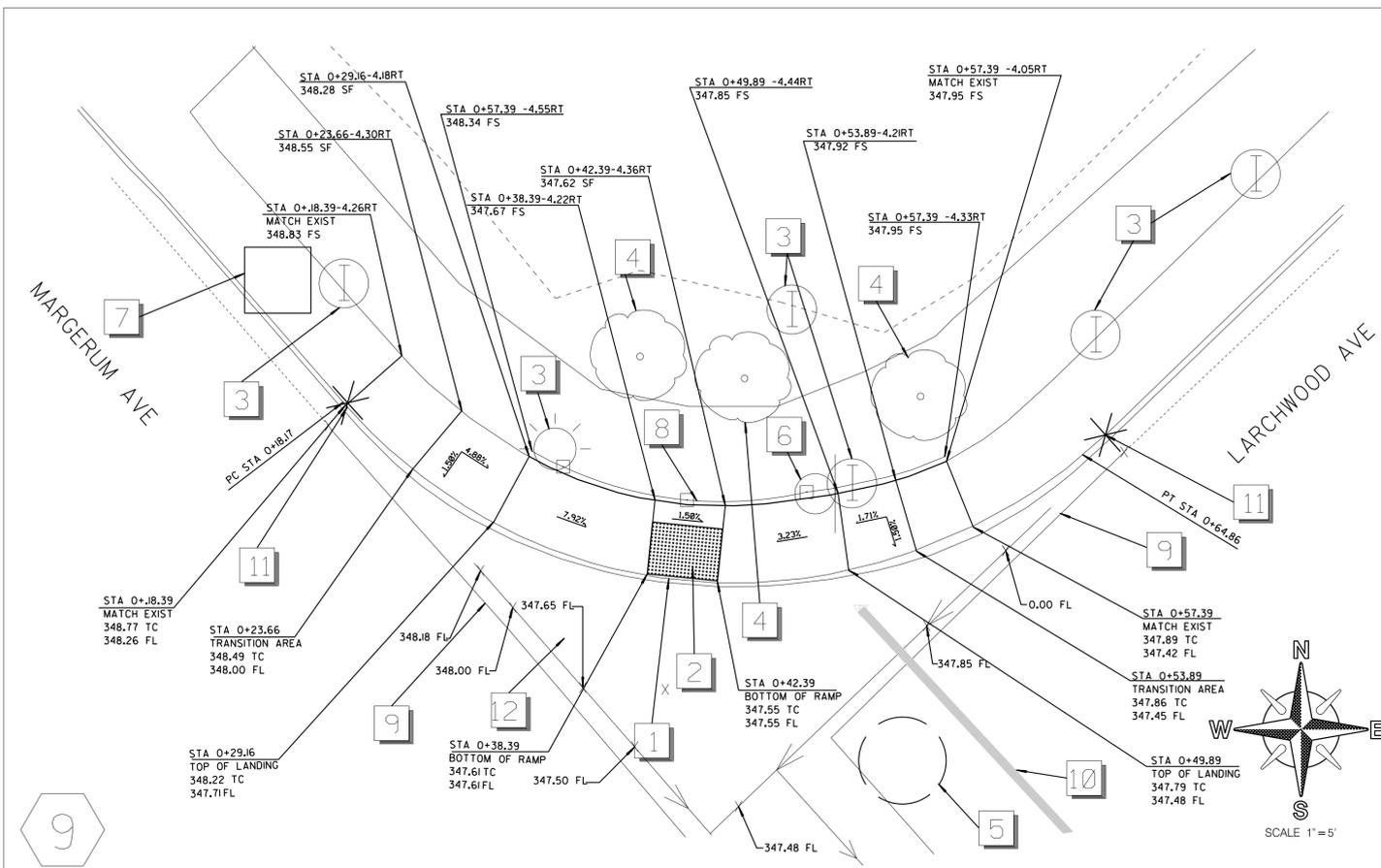
FIELD DATA

TOPOGRAPHY SOURCE: BASED ON FIELD SURVEY PERFORMED BY THE CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 25, 2020, WORK ORDER NO. (B-19201)

BENCHMARK: NWPB CLEAR SY RD AND QUITE SLOP DR (P+\*20) ELEV. (391.098) MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

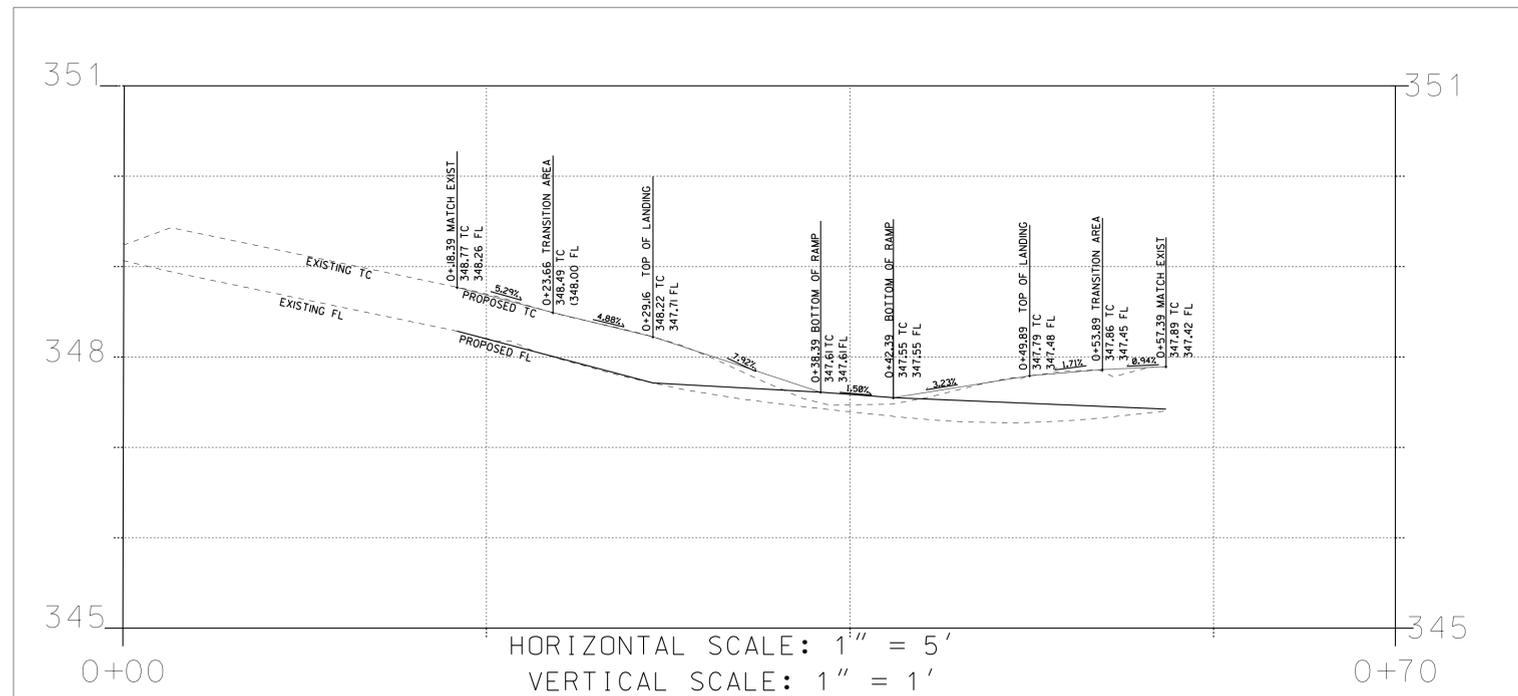
FIELD NOTES: R. MORENO, 234-1749, 03/25/2020:

BASIS OF BEARING / COORDINATES: 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 PROCEDURE WITH A CALVRS BASE STATION BROADCAST OF 2017 AND CONSTRAINING TO GPS 17 (P+20017) AND CHECKING GPS 880 (P+\*) I.E. N 75.45°40' E.



TYPE "C1" CURB RAMP

CURB PROFILE



HORIZONTAL SCALE: 1" = 5'  
VERTICAL SCALE: 1" = 1'

<b>LEGEND</b>		<b>MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION BB-1 CURB RAMP LOCATION</b>	
<p>  CURB RAMP NO'S   EX TREE   EX UTILITY POLE   EX STREET SIGN   EX FIRE HYDRANT   EX CURB RAMP   PEDESTRIAN BARRICADE-TYPE A SDG-141   CROSS GUTTER                 </p>	<p>  EX STREET LIGHT   EX BARRICADE                 </p>	<p>CITY OF SAN DIEGO, CALIFORNIA ENGINEERING &amp; CAPITAL PROJECTS DEPARTMENT SHEET 2 OF 3 SHEETS</p>	
<p>CROSS GUTTER SDG-157 PROPOSED CURB RAMP PER STANDARD DRAWINGS:</p>		<p>WBS# B-19201</p>	
<p>DUAL CURB RAMP CURB RAMP A &amp; B CURB RAMP - TYPE C1&amp;C2 CURB RAMP NOTES CURB RAMP-ADDITIONAL DETAILS GENERAL CURB RAMP DETECTABLE WARNING TILES</p>		<p>SDG-134 SDG-132, SDG-133 SDG-135 SDG-131 SDG-136 SDG-138 SDG-130</p>	
		<p>APPROVED: <i>Sheila A. Rose</i> 12/23/2020 FOR CITY ENGINEER DATE SHEILA A. ROSE PRINT NAME C59403 RCEP</p>	
<p>CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____</p>		<p>ELIZABETH DUNN PROJECT MANAGER J TALAMAYAN PROJECT ENGINEER 174-2340 CCS27 COORDINATE 187444, 6310407 CCS88 COORDINATE 42077-02-D</p>	

CURB RAMP LOCATION

C-2



**APPENDIX I**  
**TRAFFIC CONTROL PLANS**



**WORK TO BE DONE:**

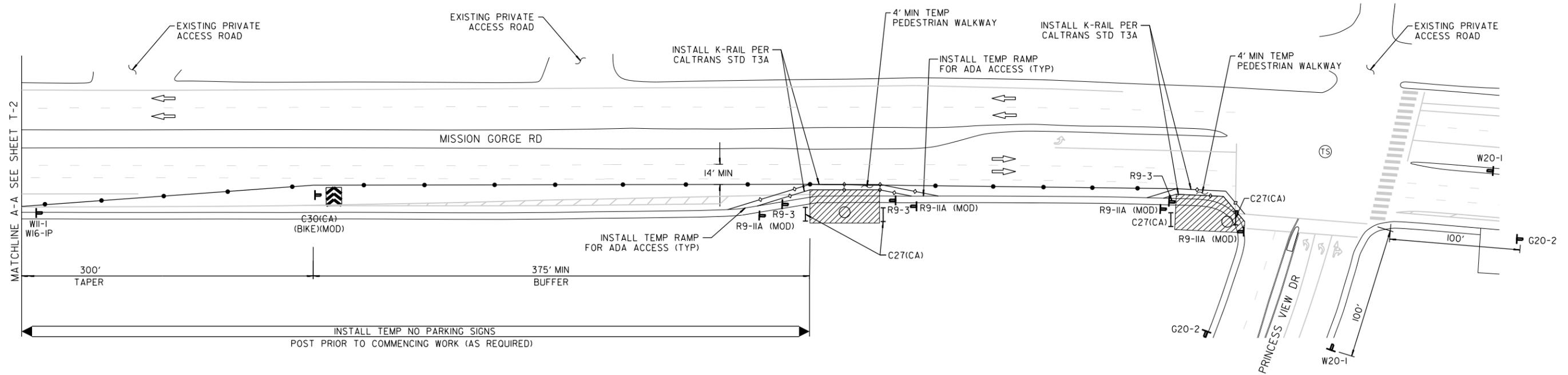
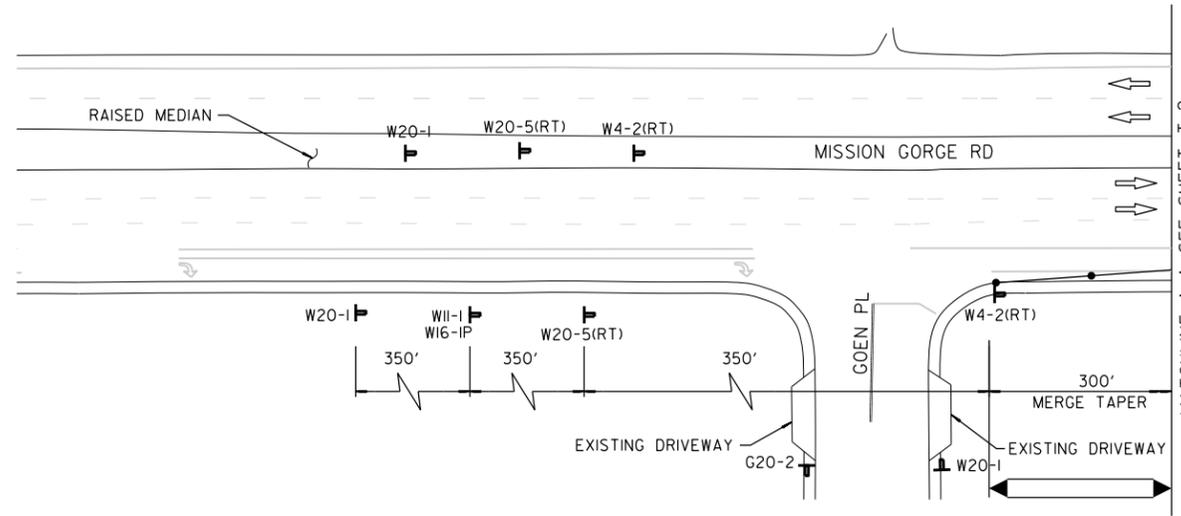
MH36 AND FACILITY 50084 REHABILITATION  
 MH39 AND FACILITY 50085 REHABILITATION

**NOTE:**

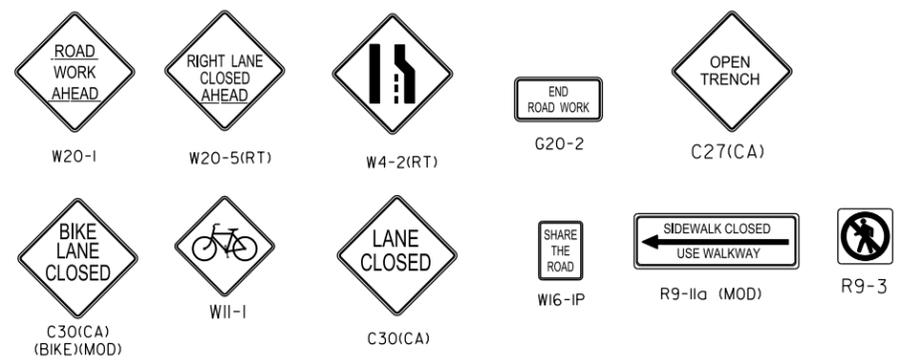
- ACCESS TO DRIVEWAYS TO BE MAINTAINED AT ALL TIMES.
- INSTALL FLASHER AT START OF EACH K-RAIL.

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

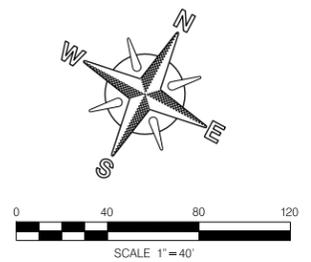
# PHASE 1



**SIGN LEGEND**

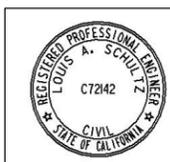


WORK HOURS 8:30 AM TO 3:30 PM  
 WORK DAYS MONDAY THROUGH FRIDAY



PIPELINE REHABILITATION BB-1  
 TRAFFIC CONTROL PLANS

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET T2 OF T5 SHEETS		WBS B-19201
APPROVED FOR CITY ENGINEER LOUIS SCHULTZ PRINT DCE NAME	DATE 12/14/2020 DATE 12/14/20 DATE 12/14/20	SUBMITTED BY HONG LE PROJECT MANAGER
DESCRIPTION ORIGINAL	BY xx/xx	CHECKED BY JUAN RODRIGUEZ PROJECT ENGINEER
APPROVED <i>[Signature]</i>		SEE SHEETS CCS27 COORDINATE
DATE STARTED		SEE SHEETS CCS83 COORDINATE
DATE COMPLETED		T2-D



CONTRACTOR \_\_\_\_\_  
 INSPECTOR \_\_\_\_\_

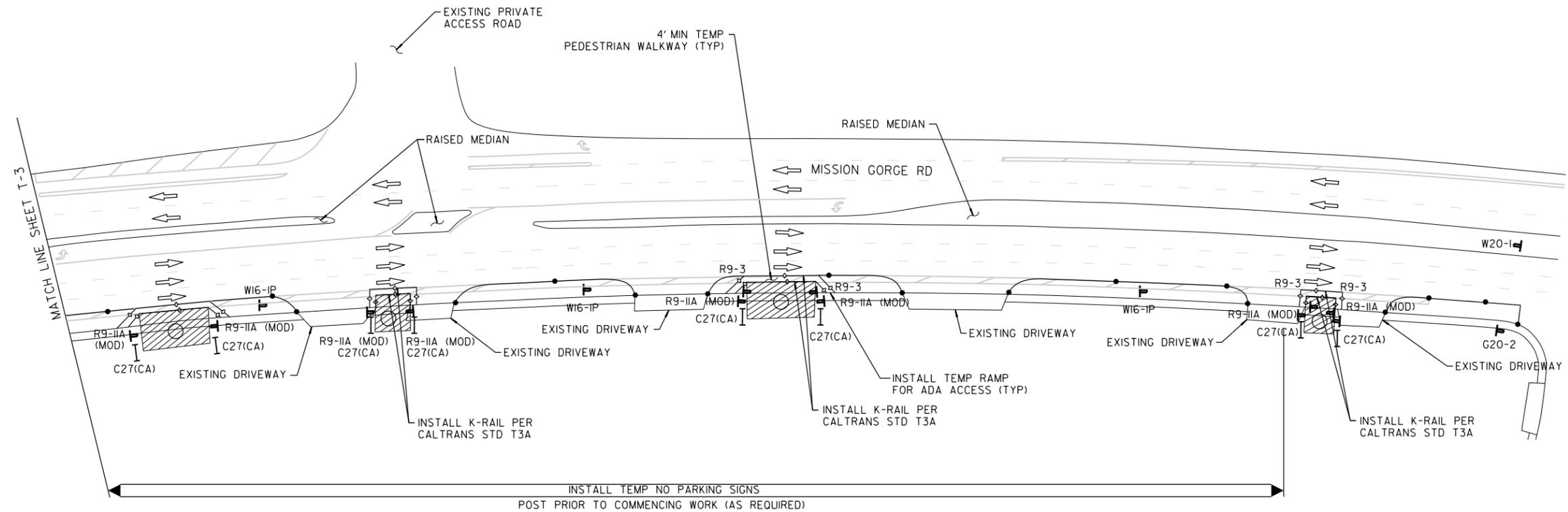
TRAFFIC CONTROL PLANS



**NOTE:**

1. ACCESS TO DRIVEWAYS TO BE MAINTAINED AT ALL TIMES.
2. INSTALL FLASHER AT START OF EACH K-RAIL.

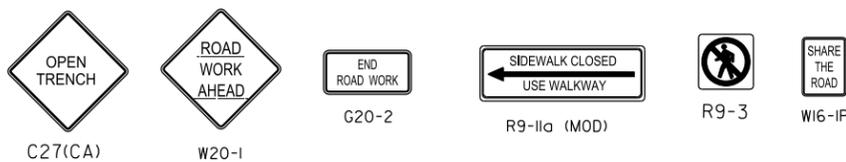
# PHASE 2 (CONT.)



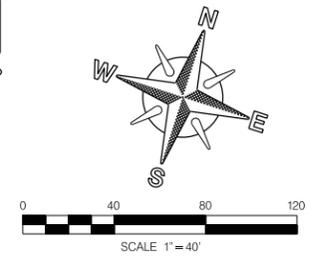
TRAFFIC CONTROL PLANS

T-4

**SIGN LEGEND**



WORK HOURS 8:30 AM TO 3:30 PM  
 WORK DAYS MONDAY THROUGH FRIDAY



PIPELINE REHABILITATION BB-1 TRAFFIC CONTROL PLANS		WBS <u>B-19201</u>	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET T4 OF T5 SHEETS		APPROVED: <i>[Signature]</i> 12/14/2020 FOR CITY ENGINEER: LOUIS SCHULTZ, DATE: 12/14/2020 PRINT DCE NAME: LOUIS SCHULTZ, DATE: 12/14/2020	
SUBMITTED BY: <b>HONG LE</b> PROJECT MANAGER		CHECKED BY: <b>JUAN RODRIGUEZ</b> PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	xx/xx	<i>[Signature]</i>	12/14/20
		SEE SHEETS CCS27 COORDINATE	
		SEE SHEETS CCS83 COORDINATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		<b>T4-D</b>	



## APPENDIX J

### SEWER MAINS PIPELINE REHABILITATION BB-1 SPREADSHEETS

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (feet)	US FIELD BOOK	US MH ID	US MH #	US MH DEPTH	OS FIELD BOOK	OS MH ID	OS MH #	OS MH DEPTH	THOMAS BBO	INSTALL DATE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT
1	20884	8	VC	66	6	F105	66	367.7	8	F105	66	364.99	8	122807	1/1/1958	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	6
1	20885	8	VC	259	10	F105	65	366.97	9	F105	66	365.72	6	122807	1/1/1961	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	6
1	20886	8	VC	255	6	F105	64	367.89	5	F105	65	369.21	9	122807	1/1/1962	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	6
2	20887	8	VC	194	6	F105	65	366.57	1	F105	65	365.22	6	122807	1/1/1958	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	6
1	20888	10	VC	271	9	F105	72	367.31	5	F105	71	366.5	7	122807	1/1/1962	POINT REPAIR REHAB	PALMIRA AV	CLAIREMONT MESA	6
1	20889	10	VC	170	3	F105	71	366.5	7	F105	70	366.5	6	122807	1/1/1962	REHAB	PALMIRA AV	CLAIREMONT MESA	6
1	20902	10	VC	320	12	F105	84	368.27	5	F105	72	367.31	5	122807	1/1/1962	POINT REPAIR REHAB	PALMIRA AV	CLAIREMONT MESA	6
1	20903	10	VC	38	2	F105	85	368.39	5	F105	84	368.29	5	122806	1/1/1962	POINT REPAIR REHAB	NORTHBIDGE AV	CLAIREMONT MESA	6
2	20893	8	VC	233	6	F105	23	367.77	8	F105	22	367.77	6	122807	1/1/1959	REHAB	PEYTON ST	CLAIREMONT MESA	6
2	20854	8	VC	145	5	F105	109	369.15	6	F105	22	367.77	8	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	6
2	20854	8	VC	145	4	F105	109	369.15	6	F105	22	367.77	8	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	6
2	20854	8	VC	145	4	F105	109	369.15	6	F105	22	367.77	8	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	6
2	20858	10	VC	300	11	F105	52	364.95	3	F105	52	364.95	7	122807	1/1/1958	POINT REPAIR REHAB	WINTHROP ST	CLAIREMONT MESA	6
2	20859	10	VC	228	4	F105	52	364.95	6	F105	52	363.37	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	6
2	20859	10	VC	300	11	F105	53	364.64	7	F105	52	363.37	8	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	6
2	20871	8	VC	347	8	F105	54	366.1	7	F105	52	363.37	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	6
2	20872	8	VC	343	11	F105	55	366.55	8	F105	54	366.5	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	6
2	20873	8	VC	130	2	F105	56	369.38	11	F105	55	366.5	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	6
2	20874	8	VC	350	11	F105	57	367.03	7	F105	58	365.6	6	122807	1/1/1958	REHAB	PEYTON PL	CLAIREMONT MESA	6
2	20880	8	VC	260	8	F105	58	365.6	8	F105	58	365.6	6	122807	1/1/1958	POINT REPAIR REHAB	PEYTON PL	CLAIREMONT MESA	6
2	20881	10	VC	186	3	F105	68	364.3	7	F105	53	363.64	7	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	6
2	20925	8	VC	250	9	F105	46	368.23	6	F115	6	367.23	5	122807	1/1/1960	POINT REPAIR REHAB	ENELKA PL	CLAIREMONT MESA	6
2	20926	8	VC	204	7	F115	6	367.23	5	F115	7	366.43	7	122807	1/1/1960	REHAB	ARLENE PL	CLAIREMONT MESA	6
2	20927	8	VC	198	7	F115	7	366.43	7	F115	8	365.21	7	122807	1/1/1958	REHAB	ARLENE PL	CLAIREMONT MESA	6
2	20928	8	VC	122	2	F115	8	365.21	7	F115	9	364.49	7	122807	1/1/1958	REHAB	ARLENE PL	CLAIREMONT MESA	6
2	20929	8	VC	58	0	F115	9	364.49	7	F115	10	364.14	6	122807	1/1/1958	REHAB	ARLENE PL	CLAIREMONT MESA	6
2	20930	10	VC	140	3	F105	47	364.58	6	F115	10	364.14	6	122807	1/1/1958	REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20931	10	VC	280	8	F115	10	364.58	6	F115	11	362.8	10	122807	1/1/1958	REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20932	10	VC	232	6	F115	11	363.1	10	F115	12	362.6	10	122807	1/1/1958	POINT REPAIR REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20933	10	VC	236	3	F105	52	363.37	4	F115	12	362.6	10	122807	1/1/1958	POINT REPAIR REHAB	LIMEBICK AV	CLAIREMONT MESA	6
2	20934	8	VC	150	9	F115	13	362.6	10	F115	12	362.6	10	122807	1/1/1958	REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20935	8	VC	150	9	F115	13	362.6	10	F115	12	362.6	10	122807	1/1/1958	REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20936	8	VC	139	2	F115	15	368.1	6	F115	13	368.1	6	122807	1/1/1958	REHAB	ARLENE ST	CLAIREMONT MESA	6
2	20937	8	VC	85	3	F115	15	368.1	6	F115	13	368.1	6	122807	1/1/1958	POINT REPAIR REHAB	ROSCREA AV	CLAIREMONT MESA	6
2	20938	8	VC	139	2	F115	15	368.1	6	F115	13	368.1	6	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
2	20939	8	VC	155	2	F115	19	371.46	7	F115	18	369.5	7	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
2	20940	8	VC	180	3	F115	22	371.76	6	F115	24	369.5	7	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
2	20941	8	VC	180	3	F115	22	371.76	6	F115	24	369.5	7	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	6
2	20942	8	VC	248	10	F115	23	362.48	7	F115	24	361.89	14	122807	1/1/1958	POINT REPAIR REHAB	LIMEBICK AV	CLAIREMONT MESA	6
2	20943	8	VC	315	9	F115	25	372.62	6	F115	24	361.89	14	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	6
2	20944	8	VC	248	10	F115	25	372.62	6	F115	24	361.89	14	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	6
2	20945	8	VC	100	3	F115	25	372.62	6	F115	24	361.89	14	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	6
2	21039	8	VC	100	3	F115	25	372.62	6	F115	24	361.89	14	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	6
2	21039	8	VC	100	3	F115	25	372.62	6	F115	24	361.89	14	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	6
2	21040	8	VC	25	1	F115	108	370.68	6	F115	105	369.15	7	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	6
3	20946	8	VC	350	11	F115	28	373.52	9	F115	28	373.52	9	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	6
3	20947	8	VC	165	8	F115	30	372.82	5	F115	31	371.17	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	6
3	20948	8	VC	135	6	F115	31	372.13	5	F115	32	365.55	14	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	6
3	20950	8	VC	345	8	F115	34	371.48	6	F115	33	369.63	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	6
3	20951	8	VC	230	8	F115	35	372.82	5	F115	34	369.63	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	6
3	20952	8	VC	350	7	F115	21	372.83	6	F115	36	371.25	9	122807	1/1/1958	POINT REPAIR REHAB	ROSCREA AV	CLAIREMONT MESA	6
3	20953	8	VC	263	7	F115	36	371.25	9	F115	37	369.67	8	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
3	20954	8	VC	198	8	F115	39	371.83	6	F115	38	370.52	9	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	6
3	20955	8	VC	190	11	F115	39	370.55	6	F115	40	368.45	6	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	6
3	20956	8	VC	102	2	F115	40	368.45	6	F115	41	366.18	14	122807	1/1/1958	POINT REPAIR REHAB	APPLETON ST	CLAIREMONT MESA	6
3	20957	8	VC	125	13	F115	42	368.18	14	F115	42	368.18	13	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	6
3	20958	10	VC	132	12	F115	43	366.95	14	F115	41	366.18	14	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	6
3	21139	8	VC	180	3	F115	43	370.55	6	F115	42	368.18	14	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	6
3	21139	8	VC	80	0	F115	43	369.63	6	F115	42	368.18	14	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	6
3	21200	8	VC	100	1	F115	42	366.75	6	F115	41	366.18	14	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	6
4	20960	8	VC	350	10	F115	29	371.42	6	F115	43	369.63	6	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	6
4	20961	8	VC	164	5	F115	44	370.3	6	F115	46	369.32	6	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20962	8	VC	250	6	F115	45	369.32	6	F115	47	368.21	6	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20963	8	VC	150	4	F115	46	369.32	6	F115	48	367.22	11	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20965	8	VC	128	3	F115	50	369.74	12	F115	49	369.22	12	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20966	8	VC	350	13	F115	50	368.04	8	F115	50	368.04	12	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20967	8	VC	350	11	F115	52	368.14	11	F115	51	366.04	5	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20968	8	VC	255	5	F115	37	369.07	8	F115	52	368.14	11	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
4	20969	8	VC	135	1	F115	53	368.29	9	F115	52	368.14	11	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	6
4	20971	8	VC	116	4	F115	54	371.23	5	F115	53	370.53	6	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	6
4	20972	8	VC	300	10	F115	55	370.53	6	F115	56	368.73	6	122807	1/1/1958	REHAB	BARSTOW ST	CLAIREMONT MESA	6
4	20973	8																	

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (each)	US FIELD BOOK	US MH ID	US MH E	US MH DEPTH	OS FIELD BOOK	OS MH ID	OS MH E	OS MH DEPTH	THOMAS BBO	INSTALL DATE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT
6	58700	8	VC	359	7	L145	54	172.58	0	K145	53	169.44	6	12504	1/2/1984	REHAB	CHAMPARIS CT	NAVAJO	2
7	58744	8	VC	117	1	L135	251	339.89	5	L135	232	339.22	8	12504	1/2/1971	REHAB	EASEMENT-MARGERUM AV	NAVAJO	2
7	58745	8	VC	150	0	L135	252	352.24	8	L135	233	358.7	12	12504	1/2/1971	REHAB	MARGERUM AV	NAVAJO	2
7	58746	8	VC	255	0	L135	253	335.18	18	L135	237	337	15	12504	1/2/1984	REHAB	MARGERUM AV	NAVAJO	2
7	58748	8	VC	118	1	L135	257	337	15	L135	235	335.16	11	12504	1/2/1989	REHAB	LARAMIE WY	NAVAJO	2
7	58749	8	VC	135	1	L135	255	333.68	11	L135	236	334.5	16	12504	1/2/1983	REHAB	LARAMIE WY	NAVAJO	2
7	58760	8	VC	161	2	L135	238	338	18	L135	237	337	15	12504	1/2/1989	REHAB	MARGERUM AV	NAVAJO	2
7	58751	8	VC	320	3	L135	239	374	8	L135	238	338	18	12504	1/2/1989	REHAB	LARKWOOD AV	NAVAJO	2
7	58767	8	VC	320	7	L135	236	324.9	16	K145	114	321.4	6	12504	1/2/1983	REHAB	LARAMIE WY	NAVAJO	2
8	58733	8	VC	118	5	L135	214	336	0	L135	215	335.5	14	12503	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58734	8	VC	123	4	L135	213	335.5	14	L135	216	335	15	12503	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58735	8	VC	350	10	L135	215	335	15	L135	229	335	8	12503	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58736	8	VC	350	12	L135	229	388	9	L135	230	386.4	9	12503	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58732	8	VC	133	0	L135	240	377.4	15	L135	239	374	8	12504	1/2/1989	REHAB	LARKWOOD AV	NAVAJO	2
8	58733	8	VC	255	6	L135	245	381.5	5	L135	239	374	8	12504	1/2/1989	REHAB	LARKWOOD WY	NAVAJO	2
8	58734	8	VC	246	0	L135	246	384.4	16	L135	245	381.5	5	12504	1/2/1989	REHAB	EASEMENT HILLDALE CT	NAVAJO	2
8	58735	8	VC	173	3	L135	247	385.2	12	L135	246	384.4	16	12504	1/2/1989	REHAB	HILLDALE CT	NAVAJO	2
8	58736	8	VC	97	2	L135	248	385.8	11	L135	247	385.2	12	12504	1/2/1989	POINT REPAIR REHAB	HILLDALE CT	NAVAJO	2
8	58737	8	VC	244	5	L135	239	385.6	9	L135	248	385.6	11	12504	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58738	8	VC	156	3	L135	244	392	8	L135	248	385.6	11	12504	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
8	58739	8	VC	218	6	L135	243	397.2	7	L135	244	392	8	12504	1/2/1989	REHAB	HILLDALE DR	NAVAJO	2
9	58834	8	VC	290	12	L145	38	545.28	9	L145	37	542	8	12504	1/2/1971	POINT REPAIR REHAB	DAKIDGE RD	NAVAJO	2
9	58835	8	VC	339	11	L145	39	548	8	L145	38	545.28	9	12504	1/2/1971	REHAB	DAKIDGE RD	NAVAJO	2
9	58836	8	VC	214	5	L145	70	549.32	7	L145	39	548	8	12504	1/2/1971	REHAB	DAKIDGE RD	NAVAJO	2
9	58839	8	VC	355	6	L145	71	552.8	0	L145	70	549.32	7	12504	1/2/1971	REHAB	STRATUS CT	NAVAJO	2
9	58850	8	VC	200	6	L145	75	550.88	0	L145	70	549.32	7	12504	1/2/1971	REHAB	DAKIDGE RD	NAVAJO	2
9	58873	8	VC	36	1	L145	73	549	8	L145	72	546.8	8	12504	1/2/1989	REHAB	AMBERLY ST	NAVAJO	2
9	58873	8	VC	306	11	L145	74	551.71	8	L145	73	549	8	12504	1/2/1989	REHAB	AMBERLY ST	NAVAJO	2
9	58874	8	VC	114	5	L145	76	553.54	8	L145	75	550.88	8	12504	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	58875	8	VC	212	7	L145	77	557.77	8	L145	76	553.54	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	58876	8	VC	335	11	L145	78	564.47	8	L145	77	557.77	8	12505	1/2/1989	POINT REPAIR REHAB	DAKIDGE RD	NAVAJO	2
9	58877	8	VC	228	6	L145	87	563.22	9	L145	79	560.26	9	12505	1/2/1989	REHAB	AMBERLY ST	NAVAJO	2
9	58878	8	VC	350	12	L145	79	560.26	9	L145	74	557.77	8	12505	1/2/1989	REHAB	AMBERLY ST	NAVAJO	2
9	58883	8	VC	350	10	L145	88	571.49	9	L145	87	563.22	9	12505	1/2/1989	REHAB	AMBERLY ST	NAVAJO	2
9	59000	8	VC	203	5	L145	103	633.59	8	L145	102	637.18	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	59069	8	VC	326	11	L145	185	570.99	8	L145	78	564.47	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	58970	8	VC	163	5	L145	189	574.21	8	L145	185	570.99	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	58971	8	VC	173	5	L145	190	580.03	8	L145	189	574.21	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	59021	8	VC	289	10	L145	246	596.24	8	L145	190	580.03	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
9	59022	8	VC	408	10	L145	247	607.14	8	L145	246	596.24	8	12505	1/2/1989	REHAB	DAKIDGE RD	NAVAJO	2
Totals:				33290	839														

8" pipeline= 29361 LF  
 10" pipeline= 3929 LF  
 Total LF of pipe= 33290 LF  
 Total Laterals= 839 EA  
 External point repairs= 15 EA  
 Internal point repairs= 17 EA  
 Total point repairs= 32 EA

**APPENDIX K**

**SEWER MANHOLE PIPELINE REHABILITATION BB-1 SPREADSHEETS**

SHEET NO.	MANHOLE FSN	MANHOLE ID	MANHOLE IE (INVERT ELE)	MANHOLE DEPTH	MANHOLE METHOD	STREET NAME	GATE BOOK	THOMAS BRO
1	88405	64	367.89	7	MANHOLE REHAB	NORTHBRIDGE CT	F10S	1228H7
1	88406	65	366.97	9	MANHOLE REHAB	NORTHBRIDGE AV	F10S	1228H7
1	88407	66	365.77	8	MANHOLE REHAB	NORTHBRIDGE AV	F10S	1228H7
1	88412	71	366.5	7	MANHOLE REHAB	PALMYRA AV	F10S	1228H7
1	88413	72	367.31	5	MANHOLE REHAB	PALMYRA AV	F10S	1228H7
1	88424	84	368.27	5	MANHOLE REHAB	NORTHBRIDGE CT	F10S	1228H6
1	88425	C 85	368.39	5	CLEANOUT	NORTHBRIDGE CT	F10S	1228H6
1	88426	C 86	368.57	5	CLEANOUT	NORTHBRIDGE CT	F10S	1228H6
2	88441	6	367.23	5	MANHOLE REHAB	ENELRA PL	F11S	1228G7
2	88442	7	366.41	7	MANHOLE REHAB	ARLENE PL	F11S	1228G7
2	88443	8	365.21	7	MANHOLE REHAB	ARLENE PL	F11S	1228H7
2	88444	9	364.49	7	MANHOLE REPLACEMENT	ARLENE ST	F11S	1228H7
2	88445	10	364.14	6	MANHOLE REHAB	ARLENE ST	F11S	1228H7
2	88446	11	363.3	10	MANHOLE REHAB	ARLENE ST	F11S	1228H7
2	88447	12	362.6	10	MANHOLE REHAB	ARLENE ST	F11S	1228H7
2	88448	13	368.19	6	MANHOLE REHAB	ARLENE ST	F11S	1228H7
2	88449	C 16	369.34	7	CLEANOUT	ROSCREA	F11S	1228H7
2	88450	C 17	370.63	7	CLEANOUT	ROSCREA	F11S	1228H7
2	88451	18	369	7	MANHOLE REHAB	ROSCREA AV	F11S	1228H7
2	88452	C 19	372.03	7	CLEANOUT	ROSCREA	F11S	1228H7
2	88453	C 20	373.45	7	CLEANOUT	ROSCREA	F11S	1228H7
2	88454	21	372.83	8	MANHOLE REHAB	LEHRER DR	F11S	1228H7
2	88455	C 22	373.76	6	CLEANOUT	LEHRER	F11S	1228H7
2	88374	22	367.77	8	MANHOLE REHAB	ARVINELS AV	F10S	1228H7
2	88456	23	372.68	6	MANHOLE REHAB	LEHRER DR	F11S	1228H7
2	88457	24	361.89	14	MANHOLE REHAB	LIMERICK AV	F11S	1228H7
2	88458	25	372.62	6	MANHOLE REHAB	LEHRER DR DR	F11S	1228H7
2	88459	C 26	374.12	6	CLEANOUT	KILKEE	F11S	1228H7
2	88460	C 27	373.7	6	CLEANOUT	LEHRER	F11S	1228H7
2	88461	28	373.52	7	MANHOLE REHAB	KILKEE ST	F11S	1228H7
2	88387	46	368.23	3	MANHOLE REHAB	ENELRA PL	F10S	1228G7
2	88388	47	364.56	6	MANHOLE REHAB	ARLENE ST	F10S	1228H7
2	88389	C 48	364.86	4	CLEANOUT	ARLENE	F10S	1228H7
2	88391	50	364.95	5	MANHOLE REHAB	WINTHROP ST	F10S	1228H7
2	88392	51	364.05	7	MANHOLE REHAB	WINTHROP ST	F10S	1228H7
2	88393	52	363.37	8	MANHOLE REHAB	WINTHROP ST	F10S	1228H7
2	88394	53	363.64	7	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
2	88395	54	366.5	8	MANHOLE REHAB	WINTHROP ST	F10S	1228H7
2	88396	55	368.55	6	MANHOLE REPLACEMENT	ROSCREA AV	F10S	1228H7
2	88397	C 56	369.34	7	CLEANOUT	WINTHROP	F10S	1228H7
2	88398	57	367.01	6	MANHOLE REHAB W/ POINT REPAIR	PEYTON PL	F10S	1228H7
2	88399	58	365.6	6	MANHOLE REHAB	PEYTON PL	F10S	1228H7
2	88534	105	369.15	7	MANHOLE REHAB W/ POINT REPAIR	ARVINELS AV	F11S	1228H7
2	88535	106	370.55	5	MANHOLE REHAB	ARVINELS AV	F11S	1228H7
2	88536	C 108	370.65	4	CLEANOUT	ARVINELS	F11S	1228H7
3	88462	29	371.42	6	MANHOLE REHAB	KILKEE ST	F11S	1228H7
3	88463	C 30	372.82	6	CLEANOUT	ABERDEEN	F11S	1228H7
3	88464	31	371.17	6	MANHOLE REHAB	ABERDEEN ST	F11S	1228H7
3	88465	32	360.95	14	MANHOLE REHAB W/ POINT REPAIR	ABERDEEN ST	F11S	1228H7
3	88466	33	369.63	6	MANHOLE REHAB	ABERDEEN ST	F11S	1228H7
3	88467	34	371.48	6	MANHOLE REHAB	ABERDEEN ST	F11S	1228H7
3	88468	35	372.75	6	NEW MANHOLE	ABERDEEN ST	F11S	1228H7
3	88469	36	371.25	9	MANHOLE REHAB	ROSCREA AV	F11S	1228H7
3	88470	37	369.67	8	MANHOLE REHAB	ROSCREA AV	F11S	1228H7
3	88471	C 38	371.83	6	CLEANOUT	APPLETON	F11S	1228H7
3	88472	39	370.55	6	MANHOLE REHAB	APPLETON ST	F11S	1228H7
3	88473	40	368.45	6	MANHOLE REPLACEMENT	APPLETON ST	F11S	1228H7
3	88474	41	360.18	14	MANHOLE REHAB	LIMERICK AV	F11S	1228H7
3	88475	42	368.75	6	MANHOLE REHAB	APPLETON ST	F11S	1228H7
3	88476	C 43	370.55	6	CLEANOUT	APPLETON	F11S	1228H7
3	88481	48	359.8	13	MANHOLE REHAB W/ POINT REPAIR	LIMERICK AV	F11S	1228H7
4	88485	52	368.14	11	MANHOLE REHAB	CONRAD AV	F11S	1228H7
4	88477	C 44	370.3	6	CLEANOUT	CONRAD	F11S	1228H7
4	88478	45	371.32	6	NEW MANHOLE	CONRAD AV	F11S	1228H7
4	88479	46	369.32	6	MANHOLE REHAB	CONRAD AV	F11S	1228H7
4	88480	47	367.81	7	MANHOLE REHAB	CONRAD AV	F11S	1228H7
4	88482	49	359.22	12	MANHOLE REHAB	LIMERICK AV	F11S	1228H7
4	88483	50	359.74	12	MANHOLE REHAB	CONRAD AV	F11S	1228H7

4	88484	51	366.04	9	MANHOLE REHAB	CONRAD AV	F115	1228H7
4	88486	53	368.92	9	MANHOLE REHAB	CONRAD AV	F115	1228H7
4	88487	C 54	371.23	6	CLEANOUT	ROSCREA	F115	1228H7
4	88488	55	370.53	6	MANHOLE REHAB	ROSCREA AV	F115	1228H7
4	88489	56	368.73	6	MANHOLE REHAB	BARSTOW ST	F115	1228H7
4	88490	57	366.93	6	MANHOLE REHAB	BARSTOW ST	F115	1228H7
4	88491	58	358.19	12	MANHOLE REHAB W/ POINT REPAIR	BARSTOW ST	F115	1228H7
4	88492	59	361.49	10	MANHOLE REHAB	BARSTOW ST	F115	1228H7
4	88493	60	362.69	11	MANHOLE REHAB	BARSTOW ST	F115	1228H7
4	88520	91	366.05	7	MANHOLE REHAB W/ POINT REPAIR	ALLEY & LONGFORD ST	F115	1248G1
4	88521	92	367.23	7	MANHOLE REHAB	ALLEY	F115	1248G1
4	88522	C 93	367.63	7	CLEANOUT	ALLEY	F115	1248G1
4	88523	94	363.89	6	MANHOLE REHAB	BARSTOW ST	F115	1228G7
4	88524	95	365.09	7	MANHOLE REHAB W/ POINT REPAIR	LONGFORD ST	F115	1228G7
4	88526	97	366.12	8	MANHOLE REHAB	CONRAD AV	F115	1228G7
4	88527	C 98	368.44	8	CLEANOUT	CONRAD	F115	1228G7
4	88525	96	370.12	6	MANHOLE REHAB	CONRAD AV	F115	1228G7
5	88537	C 109	372.1	4	CLEANOUT	ARVINELS	F115	1228H7
5	88538	110	371.32	6	MANHOLE REHAB	ARVINELS AV	F115	1228H7
5	88539	111	370.34	7	MANHOLE REHAB	ARVINELS AV	F115	1228H7
5	88540	112	373.07	6	MANHOLE REHAB	NORWICH ST	F115	1228H7
5	88541	113	374.82	6	MANHOLE REHAB	NORWICH ST	F115	1228H7
5	88542	C 114	375.29	6	CLEANOUT	NORWICH	F115	1228H7
5	88553	C 137	373.72	7	CLEANOUT	MABLE	F115	1228H7
5	88554	142	372.97	6	MANHOLE REHAB	MABLE WY	F115	1228H7
5	88555	144	372.11	6	MANHOLE REHAB	CONRAD AV	F115	1228H7
5	88556	146	370.71	5	MANHOLE REHAB	CONRAD AV	F115	1228H7
5	88557	147	369.31	8	MANHOLE REHAB W/ POINT REPAIR	CONRAD AV	F115	1228H7
5	88558	148	370.08	6	MANHOLE REPLACEMENT	BERGEN ST	F115	1228H7
5	88559	149	371.13	4	MANHOLE REHAB W/ POINT REPAIR	BERGEN ST	F115	1228H7
5	88560	150	371.73	5	MANHOLE REHAB W/ POINT REPAIR	BERGEN ST	F115	1228H7
5	88561	151	372.71	5	MANHOLE REHAB	BERGEN ST	F115	1228H7
5	88562	152	373.13	6	MANHOLE REHAB	MABLE WY	F115	1228J7
5	88563	153	373.22	6	MANHOLE REHAB	MABLE WY	F115	1228J7
5	88564	C 154	373.19	6	CLEANOUT	MABLE	F115	1228J7
5	88565	C 155	373.64	6	CLEANOUT	MABLE	F115	1228J7
5	88566	156	376.19	5	MANHOLE REHAB	I-805 SB OFF RAMP/EASEMENT	F115	1228J7
5	88567	157	373.64	6	MANHOLE REHAB	I-805 SB OFF RAMP/EASEMENT	F115	1228J7
6	116715	36	93	12	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K145	1250A4
6	116718	39	98.9	0	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K145	1250A4
6	116719	40	100.3	0	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K145	1250B4
6	116721	43	161.59	14.7	MANHOLE REHAB	EASEMENT/CHAPARAJOS CT	K145	1250B4
6	116728	C 50	169.84	0	CLEANOUT	CHAPARAJOS CT	K145	1250B4
6	116729	51	162.14	9	MANHOLE REHAB	CHAPARAJOS CT	K145	1250B4
6	116730	52	162.41	8	MANHOLE REHAB	CHAPARAJOS CT	K145	1250B4
6	116731	53	169.44	6	MANHOLE REHAB	CHAPARAJOS CT	K145	1250B4
6	116732	C 54	172.59	0	CLEANOUT	CHAPARAJOS CT	K145	1250B4
6	116627	88	128.64	7	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K135	1250B4
6	116628	89	152.09	13	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K135	1250B4
6	116677	145	101.18	8	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K135	1250B4
6	5510992	192	158.03	13	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K135	1250B4
6	116626	87	114.25	5	MANHOLE REHAB	EASEMENT/MISSION GORGE RD	K135	1250B4
7	116790	114	321.4	6	MANHOLE REHAB	LARAMIE WY	K145	1250C4
7	123204	231	339.69	5	MANHOLE REHAB	EASEMENT/MARGERUM AV	L135	1250C4
7	123205	232	339.22	8	MANHOLE REHAB	EASEMENT/MARGERUM AV	L135	1250C4
7	123206	233	338.7	12	MANHOLE REHAB	MARGERUM AV	L135	1250C4
7	123207	234	338.1	18	MANHOLE REHAB	MARGERUM AV	L135	1250C4
7	123208	235	335.16	11	MANHOLE REHAB	LARAMIE WY	L135	1250C4
7	123209	236	324.9	16	MANHOLE REHAB	LARAMIE WY	L135	1250C4
7	123210	237	337	15	MANHOLE REHAB	MARGERUM AV	L135	1250C4
7	123211	238	338	18	MANHOLE REPLACEMENT	MARGERUM AV	L135	1250C4
7	123212	239	374	8	MANHOLE REHAB W/ POINT REPAIR	LARCHWOOD AV	L135	1250C4
8	123187	C 214	396	0	CLEANOUT	HILLDALE DR	L135	1250C3
8	123188	215	395.5	14	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123189	216	395	15	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123202	229	388	9	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123203	230	386.6	9	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123213	240	377.4	15	MANHOLE REHAB	LARCHWOOD AV	L135	1250C4
8	123214	241	397.2	7	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123217	244	392	8	MANHOLE REHAB	HILLDALE DR	L135	1250C4
8	123218	245	381.5	5	MANHOLE REHAB	EASEMENT/LARCHWOOD WY	L135	1250C4
8	123219	246	384.4	16	MANHOLE REPLACEMENT	WITHIN EASEMENT (SOUTH OF HILLDALE CT)	L135	1250C4

8	123220	247	385.2	12	MANHOLE REHAB	HILLANDALE CT	L13S	1250C4
8	123221	248	385.6	11	MANHOLE REHAB	HILLANDALE DR	L13S	1250C4
9	123294	37	542	8	MANHOLE REPLACEMENT	OAKRIDGE RD	L14S	1250D4
9	123295	38	545.28	9	MANHOLE REPLACEMENT	OAKRIDGE RD	L14S	1250D4
9	123296	39	548	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D4
9	123327	70	549.32	7	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D4
9	123328	C 71	552.6	0	CLEANOUT	STRATUS CT	L14S	1250D4
9	123329	72	545.9	22	MANHOLE REHAB	EASEMENT/AMBERLY ST	L14S	1250D4
9	123330	73	549	8	MANHOLE REPLACEMENT	AMBERLY ST	L14S	1250D4
9	123331	74	555.71	8	MANHOLE REHAB	AMBERLY ST	L14S	1250D4
9	123332	75	550.86	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D4
9	123333	76	553.54	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D4
9	123334	77	557.77	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D5
9	123335	78	564.47	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D5
9	123336	79	560.26	9	MANHOLE REHAB	AMBERLY ST	L14S	1250D5
9	123344	87	563.22	9	MANHOLE REHAB	AMBERLY ST	L14S	1250D5
9	123345	88	571.69	9	MANHOLE REHAB	AMBERLY ST	L14S	1250D5
9	123358	102	616.04	8	NEW MANHOLE	OAKRIDGE RD	L14S	1250D4
9	123430	185	570.99	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D5
9	123431	189	574.21	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D5
9	123432	190	580.91	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250D5
9	123480	246	595.24	8	MANHOLE REHAB	OAKRIDGE RD	L14S	1250E5
9	123481	247	607.14	8	MANHOLE REHAB	OAKRIDGE RD	L13S	1250E5

Manhole Rehab-	112
Manhole Rehab w/point repairs-	11
Manhole Replacements-	9
New Manholes-	3
Cleanouts-	28

## APPENDIX L

### SEWER LATERALS PIPELINE REHABILITATION BB-1 SPREADSHEETS

October 30, 2020

PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
1	20884	172435	4	F10S	1228H7	5205	NORTHRIDGE	AV
1	20884	301712	4	F10S	1228H7	5206	NORTHRIDGE	AV
1	20884	301730	4	F10S	1228H7	5215	NORTHRIDGE	AV
1	20884	172336	4	F10S	1228H7	5226	NORTHRIDGE	AV
1	20884	172358	4	F10S	1228H7	5216	NORTHRIDGE	AV
1	20884	172389	4	F10S	1228H7	5225	NORTHRIDGE	AV
1	20885	172240	4	F10S	1228H7	5266	NORTHRIDGE	AV
1	20885	301595	4	F10S	1228H7	5276	NORTHRIDGE	AV
1	20885	301631	4	F10S	1228H7	5256	NORTHRIDGE	AV
1	20885	301640	4	F10S	1228H7	5275	NORTHRIDGE	AV
1	20885	301671	4	F10S	1228H7	5236	NORTHRIDGE	AV
1	20885	301695	4	F10S	1228H7	5245	NORTHRIDGE	AV
1	20885	301708	4	F10S	1228H7	5235	NORTHRIDGE	AV
1	20885	172286	4	F10S	1228H7	5246	NORTHRIDGE	AV
1	20885	172311	4	F10S	1228H7	5265	NORTHRIDGE	AV
1	20885	172329	4	F10S	1228H7	5255	NORTHRIDGE	AV
1	20886	301496	4	F10S	1228H7	5332	NORTHRIDGE	AV
1	20886	301551	4	F10S	1228H7	5331	NORTHRIDGE	AV
1	20886	301552	4	F10S	1228H7	5310	NORTHRIDGE	AV
1	20886	301577	4	F10S	1228H7	5302	NORTHRIDGE	AV
1	20886	172136	4	F10S	1228H7	5318	NORTHRIDGE	AV
1	20886	172187	4	F10S	1228H7	5319	NORTHRIDGE	AV
1	20886	172205	4	F10S	1228H7	5311	NORTHRIDGE	AV
1	20886	172243	4	F10S	1228H7	5303	NORTHRIDGE	AV
1	20887	301441	4	F10S	1228H6	5429	NORTHRIDGE	CT
1	20887	171906	4	F10S	1228H6	5449	NORTHRIDGE	CT
1	20887	171944	4	F10S	1228H6	5439	NORTHRIDGE	CT
1	20887	172046	4	F10S	1228H7	5419	NORTHRIDGE	CT
1	20887	172095	4	F10S	1228H7	5409	NORTHRIDGE	CT
1	20887	172127	4	F10S	1228H7	5345	NORTHRIDGE	AV
1	20888	301506	4	F10S	1228H7	5309	PALMYRA	AV
1	20888	301524	4	F10S	1228H7	5263	PALMYRA	AV
1	20888	301542	4	F10S	1228H7	5251	PALMYRA	AV
1	20888	301555	4	F10S	1228H7	5239	PALMYRA	AV
1	20888	301575	4	F10S	1228H7	5227	PALMYRA	AV
1	20888	172057	4	F10S	1228H7	5262	PALMYRA	AV
1	20888	172078	4	F10S	1228H7	5250	PALMYRA	AV
1	20888	172102	4	F10S	1228H7	5238	PALMYRA	AV
1	20888	172120	4	F10S	1228H7	5226	PALMYRA	AV
1	20889	301600	4	F10S	1228H7	5215	PALMYRA	AV
1	20889	301622	4	F10S	1228H7	5203	PALMYRA	AV

August 6, 2020

PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
1	20889	172140	4	F10S	1228H7	5214	PALMYRA	AV
1	20902	301357	4	F10S	1228H6	5384	PALMYRA	AV
1	20902	301363	4	F10S	1228H6	5374	PALMYRA	AV
1	20902	301404	4	F10S	1228H6	5354	PALMYRA	AV
1	20902	301423	4	F10S	1228H6	5340	PALMYRA	AV
1	20902	301475	4	F10S	1228H7	5333	PALMYRA	AV
1	20902	301488	4	F10S	1228H7	5321	PALMYRA	AV
1	20902	171897	4	F10S	1228H6	5364	PALMYRA	AV
1	20902	171928	4	F10S	1228H6	5369	PALMYRA	AV
1	20902	171970	4	F10S	1228H6	5357	PALMYRA	AV
1	20902	171984	4	F10S	1228H6	5326	PALMYRA	AV
1	20902	172002	4	F10S	1228H7	5345	PALMYRA	AV
1	20902	172010	4	F10S	1228H6	5312	PALMYRA	AV
1	20903	171871	4	F10S	1228H6	5469	NORTHRIDGE	CT
1	20903	171882	4	F10S	1228H6	5459	NORTHRIDGE	CT
2	20853	172577	4	F10S	1228H7	5406	PEYTON	PL
2	20853	172580	4	F10S	1228H7	5416	PEYTON	PL
2	20853	172581	4	F10S	1228H7	5197	ARVINELS	AV
2	20853	301855	4	F10S	1228H7	5364	PEYTON	PL
2	20853	301856	4	F10S	1228H7	5426	PEYTON	PL
2	20853	301907	4	F10S	1228H7	5393	PEYTON	PL
2	20854	172732	4	F10S	1228H7	5170	ARVINELS	AV
2	20854	172836	4	F11S	1228H7	5162	ARVINELS	AV
2	20854	301862	4	F10S	1228H7	5189	ARVINELS	AV
2	20854	301910	4	F10S	1228H7	5186	ARVINELS	AV
2	20854	301924	4	F10S	1228H7	5178	ARVINELS	AV
2	20866	172725	4	F10S	1228H7	5102	WINTHROP	ST
2	20866	172752	4	F10S	1228H7	5101	ARLENE	ST
2	20866	301997	4	F10S	1228H7	5115	WINTHROP	ST
2	20866	302047	4	F10S	1228H7	5109	ARLENE	ST
2	20868	172653	4	F10S	1228H7	5134	WINTHROP	ST
2	20868	172665	4	F10S	1228H7	5142	WINTHROP	ST
2	20868	172683	4	F10S	1228H7	5150	WINTHROP	ST
2	20868	172702	4	F10S	1228H7	5158	WINTHROP	ST
2	20868	172718	4	F10S	1228H7	5127	WINTHROP	ST
2	20868	172745	4	F10S	1228H7	5145	WINTHROP	ST
2	20868	301969	4	F10S	1228H7	5166	WINTHROP	ST
2	20868	301985	4	F10S	1228H7	5176	WINTHROP	ST
2	20868	302004	4	F10S	1228H7	5157	WINTHROP	ST
2	20868	302020	4	F10S	1228H7	0	WINTHROP	ST
2	20868	302036	4	F10S	1228H7	5171	WINTHROP	ST

August 6, 2020

PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
2	20869	172831	4	F10S	1228H7	5179	WINTHROP	ST
2	20869	172832	4	F10S	1228H7	5185	WINTHROP	ST
2	20869	301992	4	F10S	1228H7	5184	WINTHROP	ST
2	20869	301994	4	F10S	1228H7	5192	WINTHROP	ST
2	20870	301965	4	F10S	1228H7	5151	LIMERICK	AV
2	20871	172750	4	F10S	1228H7	5268	WINTHROP	ST
2	20871	172751	4	F10S	1228H7	5252	WINTHROP	ST
2	20871	172753	4	F10S	1228H7	5236	WINTHROP	ST
2	20871	172824	4	F10S	1228H7	5267	WINTHROP	ST
2	20871	172828	4	F10S	1228H7	5251	WINTHROP	ST
2	20871	172833	4	F10S	1228H7	5219	WINTHROP	ST
2	20871	172834	4	F10S	1228H7	5235	WINTHROP	ST
2	20871	301993	4	F10S	1228H7	5220	WINTHROP	ST
2	20872	172767	4	F10S	1228H7	5366	WINTHROP	ST
2	20872	172825	4	F10S	1228H7	5319	WINTHROP	ST
2	20872	172835	4	F10S	1228H7	5283	WINTHROP	ST
2	20872	376217	4	F10S	1228H7	5351	WINTHROP	ST
2	20872	301998	4	F10S	1228H7	5284	WINTHROP	ST
2	20872	301999	4	F10S	1228H7	5306	WINTHROP	ST
2	20872	302002	4	F10S	1228H7	5320	WINTHROP	ST
2	20872	302005	4	F10S	1228H7	5336	WINTHROP	ST
2	20872	302007	4	F10S	1228H7	5352	WINTHROP	ST
2	20872	302043	4	F10S	1228H7	5305	WINTHROP	ST
2	20872	302051	4	F10S	1228H7	5335	WINTHROP	ST
2	20873	172768	4	F10S	1228H7	5402	WINTHROP	ST
2	20873	172769	4	F10S	1228H7	5380	WINTHROP	ST
2	20874	172571	4	F10S	1228H7	5324	PEYTON	PL
2	20874	172574	4	F10S	1228H7	5334	PEYTON	PL
2	20874	172630	4	F10S	1228H7	5337	PEYTON	PL
2	20874	172632	4	F10S	1228H7	5307	PEYTON	PL
2	20874	172636	4	F10S	1228H7	5367	PEYTON	PL
2	20874	301852	4	F10S	1228H7	5314	PEYTON	PL
2	20874	301853	4	F10S	1228H7	5344	PEYTON	PL
2	20874	301854	4	F10S	1228H7	5354	PEYTON	PL
2	20874	301902	4	F10S	1228H7	5321	PEYTON	PL
2	20874	301905	4	F10S	1228H7	5355	PEYTON	PL
2	20874	301912	4	F10S	1228H7	5379	PEYTON	PL
2	20880	172626	4	F10S	1228H7	5253	PEYTON	PL
2	20880	172629	4	F10S	1228H7	5269	PEYTON	PL
2	20880	172634	4	F10S	1228H7	5237	PEYTON	PL
2	20880	301847	4	F10S	1228H7	5208	PEYTON	PL

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PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
2	20880	301848	4	F10S	1228H7	5222	PEYTON	PL
2	20880	301850	4	F10S	1228H7	5238	PEYTON	PL
2	20880	301895	4	F10S	1228H7	5221	PEYTON	PL
2	20880	301896	4	F10S	1228H7	5171	LIMERICK	AV
2	20881	172616	4	F10S	1228H7	5172	LIMERICK	AV
2	20881	301876	4	F10S	1228H7	5182	LIMERICK	AV
2	20881	301930	4	F10S	1228H7	5162	LIMERICK	AV
2	20925	172758	4	F10S	1228G7	5138	ENELRA	PL
2	20925	172850	4	F11S	1228G7	5120	ENELRA	PL
2	20925	172920	4	F11S	1228G7	5115	ENELRA	PL
2	20925	173001	4	F11S	1228G7	5102	ENELRA	PL
2	20925	N/A	4	F11S	1228G7	5125	ENELRA	PL
2	20925	301991	4	F10S	1228G7	5148	ENELRA	PL
2	20925	302018	4	F10S	1228G7	5135	ENELRA	PL
2	20925	302029	4	F10S	1228G7	5130	ENELRA	PL
2	20925	302117	4	F11S	1228G7	5112	ENELRA	PL
2	20926	172982	4	F11S	1228G7	5140	ARLENE	PL
2	20926	173045	4	F11S	1228G7	5111	ARLENE	PL
2	20926	173064	4	F11S	1228G7	5119	ARLENE	PL
2	20926	173069	4	F11S	1228G7	5143	ARLENE	PL
2	20926	173086	4	F11S	1228G7	5127	ARLENE	PL
2	20926	302171	4	F11S	1228G7	5134	ARLENE	PL
2	20926	302220	4	F11S	1228G7	5135	ARLENE	PL
2	20927	173073	4	F11S	1228G7	5151	ARLENE	PL
2	20927	173075	4	F11S	1228H7	5159	ARLENE	PL
2	20927	173076	4	F11S	1228H7	5167	ARLENE	PL
2	20927	302177	4	F11S	1228G7	5148	ARLENE	PL
2	20927	302180	4	F11S	1228H7	5162	ARLENE	PL
2	20927	302181	4	F11S	1228H7	5172	ARLENE	PL
2	20927	302225	4	F11S	1228H7	5177	ARLENE	PL
2	20928	172942	4	F11S	1228H7	5125	ARLENE	ST
2	20928	302200	4	F11S	1228H7	5187	ARLENE	PL
2	20930	172862	4	F11S	1228H7	5124	ARLENE	ST
2	20930	302040	4	F10S	1228H7	5112	ARLENE	ST
2	20930	N/A	4	F10S	1228H7	5117	ARLENE	ST
2	20931	172909	4	F11S	1228H7	5144	ARLENE	ST
2	20931	172927	4	F11S	1228H7	5152	ARLENE	ST
2	20931	172986	4	F11S	1228H7	5147	ARLENE	ST
2	20931	173016	4	F11S	1228H7	5155	ARLENE	ST
2	20931	173034	4	F11S	1228H7	5163	ARLENE	ST
2	20931	302096	4	F11S	1228H7	5136	ARLENE	ST

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PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
2	20931	302153	4	F11S	1228H7	5195	ARLENE	PL
2	20931	302158	4	F11S	1228H7	5160	ARLENE	ST
2	20932	172984	4	F11S	1228H7	5180	ARLENE	ST
2	20932	173068	4	F11S	1228H7	5175	ARLENE	ST
2	20932	173080	4	F11S	1228H7	5181	ARLENE	ST
2	20932	302175	4	F11S	1228H7	5170	ARLENE	ST
2	20932	302179	4	F11S	1228H7	5122	LIMERICK	AV
2	20932	302214	4	F11S	1228H7	5169	ARLENE	ST
2	20933	172921	4	F11S	1228H7	5202	ARLENE	ST
2	20933	302044	4	F10S	1228H7	5141	LIMERICK	AV
2	20933	302085	4	F11S	1228H7	5132	LIMERICK	AV
2	20934	172985	4	F11S	1228H7	5234	ARLENE	ST
2	20934	173067	4	F11S	1228H7	5265	ARLENE	ST
2	20934	173071	4	F11S	1228H7	5217	ARLENE	ST
2	20934	173072	4	F11S	1228H7	5233	ARLENE	ST
2	20934	302173	4	F11S	1228H7	5266	ARLENE	ST
2	20934	302176	4	F11S	1228H7	5250	ARLENE	ST
2	20934	302178	4	F11S	1228H7	5218	ARLENE	ST
2	20934	302221	4	F11S	1228H7	5249	ARLENE	ST
2	20934	302222	4	F11S	1228H7	5111	LIMERICK	AV
2	20935	172987	4	F11S	1228H7	5280	ARLENE	ST
2	20935	172995	4	F11S	1228H7	5332	ARLENE	ST
2	20935	173070	4	F11S	1228H7	5281	ARLENE	ST
2	20935	173083	4	F11S	1228H7	5317	ARLENE	ST
2	20935	173085	4	F11S	1228H7	5333	ARLENE	ST
2	20935	302184	4	F11S	1228H7	5302	ARLENE	ST
2	20935	302185	4	F11S	1228H7	5316	ARLENE	ST
2	20935	302224	4	F11S	1228H7	5303	ARLENE	ST
2	20936	172851	4	F11S	1228H7	5160	ROSCREA	AV
2	20936	172875	4	F11S	1228H7	5161	ROSCREA	AV
2	20937	172916	4	F11S	1228H7	5151	ROSCREA	AV
2	20937	172928	4	F11S	1228H7	5350	ARLENE	ST
2	20937	172970	4	F11S	1228H7	5141	ROSCREA	AV
2	20938	173029	4	F11S	1228H7	5131	ROSCREA	AV
2	20938	173089	4	F11S	1228H7	5349	ARLENE	ST
2	20938	173115	4	F11S	1228H7	5121	ROSCREA	AV
2	20939	173154	4	F11S	1228H7	5111	ROSCREA	AV
2	20939	173174	4	F11S	1228H7	5112	ROSCREA	AV
2	20939	173219	4	F11S	1228H7	5101	ROSCREA	AV
2	20939	173229	4	F11S	1228H7	5102	ROSCREA	AV
2	20940	173291	4	F11S	1228H7	5302	LEHRER	DR

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PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
2	20940	173299	4	F11S	1228H7	5320	LEHRER	DR
2	20940	173307	4	F11S	1228H7	5328	LEHRER	DR
2	20940	173309	4	F11S	1228H7	5350	LEHRER	DR
2	20940	173388	4	F11S	1228H7	5321	LEHRER	DR
2	20940	173401	4	F11S	1228H7	5351	LEHRER	DR
2	20940	302447	4	F11S	1228H7	5301	LEHRER	DR
2	20940	302462	4	F11S	1228H7	5337	LEHRER	DR
2	20941	173279	4	F11S	1228H7	5202	LEHRER	DR
2	20941	173284	4	F11S	1228H7	5236	LEHRER	DR
2	20941	173285	4	F11S	1228H7	5252	LEHRER	DR
2	20941	173361	4	F11S	1228H7	5239	LEHRER	DR
2	20941	302375	4	F11S	1228H7	5218	LEHRER	DR
2	20941	302382	4	F11S	1228H7	5270	LEHRER	DR
2	20941	302440	4	F11S	1228H7	5219	LEHRER	DR
2	20941	302445	4	F11S	1228H7	5259	LEHRER	DR
2	20942	173066	4	F11S	1228H7	5191	ARLENE	ST
2	20943	173270	4	F11S	1228H7	5152	LEHRER	DR
2	20943	173272	4	F11S	1228H7	5172	LEHRER	DR
2	20943	173275	4	F11S	1228H7	5182	LEHRER	DR
2	20943	173358	4	F11S	1228H7	5165	LEHRER	DR
2	20943	173359	4	F11S	1228H7	5175	LEHRER	DR
2	20943	302371	4	F11S	1228H7	5162	LEHRER	DR
2	20943	302428	4	F11S	1228H7	5135	LEHRER	DR
2	20943	302431	4	F11S	1228H7	5145	LEHRER	DR
2	20943	302433	4	F11S	1228H7	5155	LEHRER	DR
2	20944	173260	4	F11S	1228H7	5102	LEHRER	DR
2	20944	173262	4	F11S	1228H7	5112	LEHRER	DR
2	20944	173265	4	F11S	1228H7	5122	LEHRER	DR
2	20944	302367	4	F11S	1228H7	5132	LEHRER	DR
2	20944	302427	4	F11S	1228H7	5125	LEHRER	DR
2	20944	173268	4	F11S	1228H7	5142	LEHRER	DR
2	20945	173353	4	F11S	1228H7	5088	KILKEE	ST
2	20945	302372	4	F11S	1228H7	5096	KILKEE	ST
2	20945	302397	4	F11S	1228H7	5089	KILKEE	ST
2	21019	172935	4	F11S	1228H7	5146	ARVINELS	AV
2	21019	173036	4	F11S	1228H7	5130	ARVINELS	AV
2	21019	173107	4	F11S	1228H7	5122	ARVINELS	AV
2	21019	302074	4	F11S	1228H7	5154	ARVINELS	AV
2	21019	302163	4	F11S	1228H7	5138	ARVINELS	AV
2	21019	302316	4	F11S	1228H7	5114	ARVINELS	AV
2	21020	173233	4	F11S	1228H7	5104	ARVINELS	AV

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
3	20946	173407	4	F11S	1228H7	5081	KILKEE	ST
3	20946	173518	4	F11S	1228H7	5073	KILKEE	ST
3	20946	173583	4	F11S	1228H7	5065	KILKEE	ST
3	20946	173649	4	F11S	1228H7	5058	KILKEE	ST
3	20946	173753	4	F11S	1228H7	5050	KILKEE	ST
3	20946	302482	4	F11S	1228H7	5082	KILKEE	ST
3	20946	302536	4	F11S	1228H7	5074	KILKEE	ST
3	20946	302570	4	F11S	1228H7	5066	KILKEE	ST
3	20946	302638	4	F11S	1228H7	5057	KILKEE	ST
3	20946	302681	4	F11S	1228H7	5049	KILKEE	ST
3	20946	302738	4	F11S	1228H7	5041	KILKEE	ST
3	20947	173582	4	F11S	1228H7	5152	ABERDEEN	ST
3	20947	173584	4	F11S	1228H7	5162	ABERDEEN	ST
3	20947	173593	4	F11S	1228H7	5172	ABERDEEN	ST
3	20947	173627	4	F11S	1228H7	5153	ABERDEEN	ST
3	20947	302594	4	F11S	1228H7	5182	ABERDEEN	ST
3	20947	302657	4	F11S	1228H7	5163	ABERDEEN	ST
3	20947	302659	4	F11S	1228H7	5173	ABERDEEN	ST
3	20947	302660	4	F11S	1228H7	5183	ABERDEEN	ST
3	20949	173735	4	F11S	1228H7	5193	ABERDEEN	ST
3	20950	173653	4	F11S	1228H7	5230	ABERDEEN	ST
3	20950	173764	4	F11S	1228H7	5273	ABERDEEN	ST
3	20950	173779	4	F11S	1228H7	5245	ABERDEEN	ST
3	20950	173790	4	F11S	1228H7	5217	ABERDEEN	ST
3	20950	302617	4	F11S	1228H7	5260	ABERDEEN	ST
3	20950	302627	4	F11S	1228H7	5246	ABERDEEN	ST
3	20950	302690	4	F11S	1228H7	5259	ABERDEEN	ST
3	20950	302694	4	F11S	1228H7	5231	ABERDEEN	ST
3	20951	173632	4	F11S	1228H7	5318	ABERDEEN	ST
3	20951	173655	4	F11S	1228H7	5348	ABERDEEN	ST
3	20951	173765	4	F11S	1228H7	5307	ABERDEEN	ST
3	20951	173771	4	F11S	1228H7	5321	ABERDEEN	ST
3	20951	173780	4	F11S	1228H7	5349	ABERDEEN	ST
3	20951	302614	4	F11S	1228H7	5304	ABERDEEN	ST
3	20951	302626	4	F11S	1228H7	5332	ABERDEEN	ST
3	20951	302693	4	F11S	1228H7	5335	ABERDEEN	ST
3	20952	173378	4	F11S	1228H7	5092	ROSCREA	AV
3	20952	173485	4	F11S	1228H7	5080	ROSCREA	AV
3	20952	173535	4	F11S	1228H7	5073	ROSCREA	AV
3	20952	302450	4	F11S	1228H7	5091	ROSCREA	AV
3	20952	302499	4	F11S	1228H7	5081	ROSCREA	AV

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
3	20952	302583	4	F11S	1228H7	5070	ROSCREA	AV
3	20952	302599	4	F11S	1228H7	5065	ROSCREA	AV
3	20953	173695	4	F11S	1228H7	5057	ROSCREA	AV
3	20953	173758	4	F11S	1228H7	5054	ROSCREA	AV
3	20953	173804	4	F11S	1228H7	5049	ROSCREA	AV
3	20953	173869	4	F11S	1228H7	5044	ROSCREA	AV
3	20953	173922	4	F11S	1228H7	5041	ROSCREA	AV
3	20953	302820	4	F11S	1228H7	5034	ROSCREA	AV
3	20953	302835	4	F11S	1228H7	5033	ROSCREA	AV
3	20954	174027	4	F11S	1228H7	5338	APPLETON	ST
3	20954	174131	4	F11S	1228H7	5321	APPLETON	ST
3	20954	174145	4	F11S	1228H7	5351	APPLETON	ST
3	20954	174146	4	F11S	1228H7	5367	APPLETON	ST
3	20954	376246	4	F11S	1228H7	5354	APPLETON	ST
3	20954	302860	4	F11S	1228H7	5306	APPLETON	ST
3	20954	302871	4	F11S	1228H7	5322	APPLETON	ST
3	20954	302957	4	F11S	1228H7	5335	APPLETON	ST
3	20955	174017	4	F11S	1228H7	5286	APPLETON	ST
3	20955	174019	4	F11S	1228H7	5272	APPLETON	ST
3	20955	174028	4	F11S	1228H7	5226	APPLETON	ST
3	20955	174126	4	F11S	1228H7	5305	APPLETON	ST
3	20955	174135	4	F11S	1228H7	5229	APPLETON	ST
3	20955	302868	4	F11S	1228H7	5258	APPLETON	ST
3	20955	302874	4	F11S	1228H7	5244	APPLETON	ST
3	20955	302949	4	F11S	1228H7	5271	APPLETON	ST
3	20955	302950	4	F11S	1228H7	5285	APPLETON	ST
3	20955	302951	4	F11S	1228H7	5257	APPLETON	ST
3	20955	302954	4	F11S	1228H7	5243	APPLETON	ST
3	20956	174140	4	F11S	1228H7	5201	APPLETON	ST
3	20956	174141	4	F11S	1228H7	5215	APPLETON	ST
3	20958	173957	4	F11S	1228H7	5035	LIMERICK	AV
3	20958	302686	4	F11S	1228H7	5055	LIMERICK	AV
3	20958	302744	4	F11S	1228H7	5045	LIMERICK	AV
3	20959	173991	4	F11S	1228H7	5150	APPLETON	ST
3	20959	173996	4	F11S	1228H7	5180	APPLETON	ST
3	20959	174087	4	F11S	1228H7	5171	APPLETON	ST
3	20959	174091	4	F11S	1228H7	5161	APPLETON	ST
3	20959	174092	4	F11S	1228H7	5151	APPLETON	ST
3	20959	302830	4	F11S	1228H7	5160	APPLETON	ST
3	20959	302833	4	F11S	1228H7	5170	APPLETON	ST
3	20959	302932	4	F11S	1228H7	5181	APPLETON	ST

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
3	21200	302842	4	F11S	1228H7	5190	APPLETON	ST
4	20463	174412	4	F11S	1228H7	5184	CONRAD	AV
4	20463	174422	4	F11S	1228H7	5194	CONRAD	AV
4	20463	303202	4	F11S	1228H7	5183	CONRAD	AV
4	20463	303212	4	F11S	1228H7	5193	CONRAD	AV
4	20960	173876	4	F11S	1228H7	5042	KILKEE	ST
4	20960	174016	4	F11S	1228H7	5025	KILKEE	ST
4	20960	174069	4	F11S	1228H7	5018	KILKEE	ST
4	20960	174095	4	F11S	1228H7	5017	KILKEE	ST
4	20960	174170	4	F11S	1228H7	5010	KILKEE	ST
4	20960	174297	4	F11S	1228H7	5001	KILKEE	ST
4	20960	302782	4	F11S	1228H7	5033	KILKEE	ST
4	20960	302805	4	F11S	1228H7	5034	KILKEE	ST
4	20960	302864	4	F11S	1228H7	5026	KILKEE	ST
4	20960	303012	4	F11S	1228H7	5009	KILKEE	ST
4	20961	174395	4	F11S	1228H7	5002	KILKEE	ST
4	20961	174506	4	F11S	1228H7	5103	CONRAD	AV
4	20961	174511	4	F11S	1228H7	5133	CONRAD	AV
4	20961	303193	4	F11S	1228H7	5113	CONRAD	AV
4	20961	303196	4	F11S	1228H7	5123	CONRAD	AV
4	20962	174406	4	F11S	1228H7	5174	CONRAD	AV
4	20962	174513	4	F11S	1228H7	5153	CONRAD	AV
4	20962	174522	4	F11S	1228H7	5143	CONRAD	AV
4	20962	174529	4	F11S	1228H7	5163	CONRAD	AV
4	20962	303131	4	F11S	1228H7	5164	CONRAD	AV
4	20962	303200	4	F11S	1228H7	5173	CONRAD	AV
4	20965	303142	4	F11S	1228H7	5220	CONRAD	AV
4	20965	303143	4	F11S	1228H7	5204	CONRAD	AV
4	20965	303219	4	F11S	1228H7	5203	CONRAD	AV
4	20966	174410	4	F11S	1228H7	5302	CONRAD	AV
4	20966	174413	4	F11S	1228H7	5290	CONRAD	AV
4	20966	174417	4	F11S	1228H7	5278	CONRAD	AV
4	20966	174420	4	F11S	1228H7	5236	CONRAD	AV
4	20966	174538	4	F11S	1228H7	5279	CONRAD	AV
4	20966	174542	4	F11S	1228H7	5263	CONRAD	AV
4	20966	303136	4	F11S	1228H7	5264	CONRAD	AV
4	20966	303139	4	F11S	1228H7	5250	CONRAD	AV
4	20966	303205	4	F11S	1228H7	5291	CONRAD	AV
4	20966	303207	4	F11S	1228H7	5301	CONRAD	AV
4	20966	303213	4	F11S	1228H7	5249	CONRAD	AV
4	20966	303215	4	F11S	1228H7	5219	CONRAD	AV

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
4	20966	303216	4	F11S	1228H7	5235	CONRAD	AV
4	20967	174423	4	F11S	1228H7	5330	CONRAD	AV
4	20967	174438	4	F11S	1228H7	5374	CONRAD	AV
4	20967	174543	4	F11S	1228H7	5315	CONRAD	AV
4	20967	174546	4	F11S	1228H7	5329	CONRAD	AV
4	20967	174553	4	F11S	1228H7	5357	CONRAD	AV
4	20967	174555	4	F11S	1228H7	5373	CONRAD	AV
4	20967	303137	4	F11S	1228H7	5316	CONRAD	AV
4	20967	303146	4	F11S	1228H7	5344	CONRAD	AV
4	20967	303148	4	F11S	1228H7	5358	CONRAD	AV
4	20967	303223	4	F11S	1228H7	5343	CONRAD	AV
4	20968	174159	4	F11S	1228H7	5017	ROSCREA	AV
4	20968	302907	4	F11S	1228H7	5025	ROSCREA	AV
4	20968	302964	4	F11S	1228H7	5383	APPLETON	ST
4	20968	303058	4	F11S	1228H7	5009	ROSCREA	AV
4	20968	303090	4	F11S	1228H7	5001	ROSCREA	AV
4	20969	174565	4	F11S	1228H7	4991	ROSCREA	AV
4	20971	174908	4	F11S	1228H7	5385	BARSTOW	ST
4	20971	303322	4	F11S	1228H7	4977	ROSCREA	AV
4	20971	303374	4	F11S	1228H7	4959	ROSCREA	AV
4	20971	303402	4	F11S	1228H7	4951	ROSCREA	AV
4	20972	174842	4	F11S	1228H7	5358	BARSTOW	ST
4	20972	174928	4	F11S	1228H7	5315	BARSTOW	ST
4	20972	174938	4	F11S	1228H7	5357	BARSTOW	ST
4	20972	174947	4	F11S	1228H7	5371	BARSTOW	ST
4	20972	303421	4	F11S	1228H7	5316	BARSTOW	ST
4	20972	303425	4	F11S	1228H7	5330	BARSTOW	ST
4	20972	303432	4	F11S	1228H7	5344	BARSTOW	ST
4	20972	303433	4	F11S	1228H7	5372	BARSTOW	ST
4	20972	303487	4	F11S	1228H7	5329	BARSTOW	ST
4	20972	303490	4	F11S	1228H7	5343	BARSTOW	ST
4	20973	174826	4	F11S	1228H7	5272	BARSTOW	ST
4	20973	174921	4	F11S	1228H7	5257	BARSTOW	ST
4	20973	174922	4	F11S	1228H7	5271	BARSTOW	ST
4	20973	303413	4	F11S	1228H7	5244	BARSTOW	ST
4	20973	303414	4	F11S	1228H7	5258	BARSTOW	ST
4	20973	303419	4	F11S	1228H7	5286	BARSTOW	ST
4	20973	303420	4	F11S	1228H7	5302	BARSTOW	ST
4	20973	303478	4	F11S	1228H7	5285	BARSTOW	ST
4	20973	303481	4	F11S	1228H7	5301	BARSTOW	ST
4	20974	174823	4	F11S	1228H7	5230	BARSTOW	ST

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
4	20974	174830	4	F11S	1228H7	5216	BARSTOW	ST
4	20974	174831	4	F11S	1228H7	5202	BARSTOW	ST
4	20974	174918	4	F11S	1228H7	5201	BARSTOW	ST
4	20974	174920	4	F11S	1228H7	5243	BARSTOW	ST
4	20974	174924	4	F11S	1228H7	5229	BARSTOW	ST
4	20974	174927	4	F11S	1228H7	5215	BARSTOW	ST
4	20977	174910	4	F11S	1228H7	5161	BARSTOW	ST
4	20977	174916	4	F11S	1228H7	5171	BARSTOW	ST
4	20977	174926	4	F11S	1228H7	5181	BARSTOW	ST
4	20977	303403	4	F11S	1228H7	5162	BARSTOW	ST
4	20977	303408	4	F11S	1228H7	5172	BARSTOW	ST
4	20977	303415	4	F11S	1228H7	5182	BARSTOW	ST
4	20977	303422	4	F11S	1228H7	5192	BARSTOW	ST
4	20977	303482	4	F11S	1228H7	5191	BARSTOW	ST
4	20978	174801	4	F11S	1228H7	5122	BARSTOW	ST
4	20978	174803	4	F11S	1228H7	5112	BARSTOW	ST
4	20978	174804	4	F11S	1228H7	5102	BARSTOW	ST
4	20978	174901	4	F11S	1228H7	5131	BARSTOW	ST
4	20978	174902	4	F11S	1228H7	5121	BARSTOW	ST
4	20978	174905	4	F11S	1228H7	5101	BARSTOW	ST
4	20978	174909	4	F11S	1228H7	5151	BARSTOW	ST
4	20978	303391	4	F11S	1228H7	5152	BARSTOW	ST
4	20978	303392	4	F11S	1228H7	5142	BARSTOW	ST
4	20978	303394	4	F11S	1228H7	5132	BARSTOW	ST
4	20978	303469	4	F11S	1228H7	5111	BARSTOW	ST
4	20978	303471	4	F11S	1228H7	5141	BARSTOW	ST
4	21003	174808	4	F11S	1228H7	5092	BARSTOW	ST
4	21003	174810	4	F11S	1228G7	5062	BARSTOW	ST
4	21003	174813	4	F11S	1228G7	5052	BARSTOW	ST
4	21003	174913	4	F11S	1228G7	5041	BARSTOW	ST
4	21003	174919	4	F11S	1228G7	5081	BARSTOW	ST
4	21003	303397	4	F11S	1228G7	5082	BARSTOW	ST
4	21003	303400	4	F11S	1228G7	5072	BARSTOW	ST
4	21003	303401	4	F11S	1228G7	5042	BARSTOW	ST
4	21003	303475	4	F11S	1228G7	5051	BARSTOW	ST
4	21003	303476	4	F11S	1228G7	5061	BARSTOW	ST
4	21003	303477	4	F11S	1228H7	5091	BARSTOW	ST
4	21003	303479	4	F11S	1228G7	5071	BARSTOW	ST
4	21004	174504	4	F11S	1228H7	5093	CONRAD	AV
4	21004	174508	4	F11S	1228G7	5083	CONRAD	AV
4	21004	174510	4	F11S	1228G7	5053	CONRAD	AV

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
4	21004	303195	4	F11S	1228G7	5063	CONRAD	AV
4	21004	303197	4	F11S	1228G7	5073	CONRAD	AV
4	21004	5626267	4	F11S	1228G7	5050	CONRAD	AV
4	21005	174512	4	F11S	1228G7	5033	CONRAD	AV
4	21005	174515	4	F11S	1228G7	5023	CONRAD	AV
4	21005	174523	4	F11S	1228G7	5043	CONRAD	AV
4	21005	303194	4	F11S	1228G7	5013	CONRAD	AV
4	21006	174397	6	F11S	1228G7	5050	CONRAD	AV
4	21006	174495	4	F11S	1228G7	4955	CONRAD	AV
4	21007	174481	4	F11S	1228G7	4981	LONGFORD	ST
4	21007	174573	4	F11S	1228G7	4970	LONGFORD	ST
4	21007	174689	4	F11S	1228G7	4960	LONGFORD	ST
4	21007	303166	4	F11S	1228G7	4980	LONGFORD	ST
4	21007	303360	4	F11S	1228G7	4950	LONGFORD	ST
4	21008	174796	4	F11S	1228G7	5002	BARSTOW	ST
4	21008	174797	4	F11S	1228G7	5012	BARSTOW	ST
4	21008	174798	4	F11S	1228G7	5022	BARSTOW	ST
4	21008	174896	4	F11S	1228G7	5011	BARSTOW	ST
4	21008	174900	4	F11S	1228G7	5001	BARSTOW	ST
4	21008	174912	4	F11S	1228G7	5031	BARSTOW	ST
4	21008	303393	4	F11S	1228G7	5032	BARSTOW	ST
4	21008	303473	4	F11S	1228G7	5021	BARSTOW	ST
4	21009	174844	4	F11S	1228G7	4940	LONGFORD	ST
4	21009	174917	4	F11S	1228G7	4930	LONGFORD	ST
4	21009	175019	4	F11S	1248G1	4910	LONGFORD	ST
5	21021	173424	4	F11S	1228H7	5094	ARVINELS	AV
5	21021	173567	4	F11S	1228H7	5095	ARVINELS	AV
5	21021	302504	4	F11S	1228H7	5084	ARVINELS	AV
5	21021	302576	4	F11S	1228H7	5076	ARVINELS	AV
5	21021	302590	4	F11S	1228H7	5095	ARVINELS	AV
5	21021	302634	4	F11S	1228H7	5068	ARVINELS	AV
5	21022	173734	4	F11S	1228H7	5060	ARVINELS	AV
5	21022	173803	4	F11S	1228H7	5052	ARVINELS	AV
5	21022	173895	4	F11S	1228H7	5044	ARVINELS	AV
5	21022	173976	4	F11S	1228H7	5036	ARVINELS	AV
5	21023	174046	4	F11S	1228H7	5476	NORWICH	ST
5	21023	174158	4	F11S	1228H7	5441	NORWICH	ST
5	21023	174160	4	F11S	1228H7	5477	NORWICH	ST
5	21023	174161	4	F11S	1228H7	5453	NORWICH	ST
5	21023	174164	4	F11S	1228H7	5465	NORWICH	ST
5	21023	302888	4	F11S	1228H7	5426	NORWICH	ST

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
5	21023	302890	4	F11S	1228H7	5440	NORWICH	ST
5	21023	302891	4	F11S	1228H7	5452	NORWICH	ST
5	21023	302894	4	F11S	1228H7	5464	NORWICH	ST
5	21024	174047	4	F11S	1228H7	5504	NORWICH	ST
5	21024	174048	4	F11S	1228H7	5514	NORWICH	ST
5	21024	174049	4	F11S	1228H7	5524	NORWICH	ST
5	21024	174050	4	F11S	1228H7	5534	NORWICH	ST
5	21024	174166	4	F11S	1228H7	5505	NORWICH	ST
5	21024	174169	4	F11S	1228H7	5515	NORWICH	ST
5	21024	174172	4	F11S	1228H7	5545	NORWICH	ST
5	21024	174174	4	F11S	1228H7	5555	NORWICH	ST
5	21024	302898	4	F11S	1228H7	5544	NORWICH	ST
5	21024	302899	4	F11S	1228H7	5554	NORWICH	ST
5	21024	302900	4	F11S	1228H7	5564	NORWICH	ST
5	21024	302985	4	F11S	1228H7	5535	NORWICH	ST
5	21024	302986	4	F11S	1228H7	5525	NORWICH	ST
5	21025	174055	4	F11S	1228H7	5574	NORWICH	ST
5	21025	174056	4	F11S	1228H7	5051	MABLE	WY
5	21025	302901	4	F11S	1228H7	5584	NORWICH	ST
5	21025	302962	4	F11S	1228H7	5050	MABLE	WY
5	21036	174266	4	F11S	1228H7	5040	MABLE	WY
5	21036	302996	4	F11S	1228J7	5041	MABLE	WY
5	21036	303017	4	F11S	1228J7	5031	MABLE	WY
5	21036	303100	4	F11S	1228J7	5021	MABLE	WY
5	21036	303130	4	F11S	1228J7	5011	MABLE	WY
5	21037	174560	4	F11S	1228H7	4990	MABLE	WY
5	21037	174592	4	F11S	1228J7	4991	MABLE	WY
5	21037	303186	4	F11S	1228J7	5001	MABLE	WY
5	21038	174461	4	F11S	1228H7	5576	CONRAD	AV
5	21038	174590	4	F11S	1228H7	5563	CONRAD	AV
5	21038	174591	4	F11S	1228H7	5573	CONRAD	AV
5	21038	303170	4	F11S	1228H7	5566	CONRAD	AV
5	21039	174585	4	F11S	1228H7	5533	CONRAD	AV
5	21039	174587	4	F11S	1228H7	5543	CONRAD	AV
5	21039	174588	4	F11S	1228H7	5553	CONRAD	AV
5	21039	174450	4	F11S	1228H7	5516	CONRAD	AV
5	21039	174453	4	F11S	1228H7	5526	CONRAD	AV
5	21039	174456	4	F11S	1228H7	5536	CONRAD	AV
5	21039	174581	4	F11S	1228H7	5503	CONRAD	AV
5	21039	303163	4	F11S	1228H7	5506	CONRAD	AV
5	21039	303167	4	F11S	1228H7	5546	CONRAD	AV

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
5	21039	303168	4	F11S	1228H7	5556	CONRAD	AV
5	21039	303240	4	F11S	1228H7	5513	CONRAD	AV
5	21039	303241	4	F11S	1228H7	5523	CONRAD	AV
5	21040	174447	4	F11S	1228H7	5454	CONRAD	AV
5	21040	174448	4	F11S	1228H7	5466	CONRAD	AV
5	21040	174449	4	F11S	1228H7	5478	CONRAD	AV
5	21040	174574	4	F11S	1228H7	5467	CONRAD	AV
5	21040	174576	4	F11S	1228H7	5479	CONRAD	AV
5	21040	303159	4	F11S	1228H7	5442	CONRAD	AV
5	21040	303233	4	F11S	1228H7	5443	CONRAD	AV
5	21040	303236	4	F11S	1228H7	5455	CONRAD	AV
5	21041	174053	4	F11S	1228H7	5028	ARVINELS	AV
5	21041	174127	4	F11S	1228H7	5021	ARVINELS	AV
5	21041	174142	4	F11S	1228H7	5020	ARVINELS	AV
5	21041	174227	4	F11S	1228H7	5013	ARVINELS	AV
5	21041	174270	4	F11S	1228H7	5012	ARVINELS	AV
5	21041	174353	4	F11S	1228H7	5004	ARVINELS	AV
5	21041	303110	4	F11S	1228H7	5005	ARVINELS	AV
5	21042	174534	4	F11S	1228H7	4992	ARVINELS	AV
5	21042	174649	4	F11S	1228H7	4980	ARVINELS	AV
5	21042	174683	4	F11S	1228H7	4981	ARVINELS	AV
5	21042	174770	4	F11S	1228H7	4967	ARVINELS	AV
5	21042	174806	4	F11S	1228H7	4956	ARVINELS	AV
5	21042	303206	4	F11S	1228H7	4993	ARVINELS	AV
5	21042	303343	4	F11S	1228H7	4968	ARVINELS	AV
5	21042	303465	4	F11S	1228H7	5405	BERGEN	ST
5	21043	174849	4	F11S	1228H7	5444	BERGEN	ST
5	21043	174850	4	F11S	1228H7	5456	BERGEN	ST
5	21043	174852	4	F11S	1228H7	5480	BERGEN	ST
5	21043	174945	4	F11S	1228H7	5429	BERGEN	ST
5	21043	174946	4	F11S	1228H7	5443	BERGEN	ST
5	21043	174948	4	F11S	1228H7	5455	BERGEN	ST
5	21043	174951	4	F11S	1228H7	5467	BERGEN	ST
5	21043	174952	4	F11S	1228H7	5479	BERGEN	ST
5	21043	303440	4	F11S	1228H7	5468	BERGEN	ST
5	21043	303499	4	F11S	1228H7	5417	BERGEN	ST
5	21044	174954	4	F11S	1228H7	5501	BERGEN	ST
5	21044	174955	4	F11S	1228H7	5511	BERGEN	ST
5	21044	174959	4	F11S	1228H7	5531	BERGEN	ST
5	21044	303442	4	F11S	1228H7	5502	BERGEN	ST
5	21044	303443	4	F11S	1228H7	5512	BERGEN	ST

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
5	21044	303444	4	F11S	1228H7	5522	BERGEN	ST
5	21044	303446	4	F11S	1228H7	5532	BERGEN	ST
5	21044	303507	4	F11S	1228H7	5521	BERGEN	ST
5	21045	174858	4	F11S	1228H7	5542	BERGEN	ST
5	21045	174859	4	F11S	1228H7	5552	BERGEN	ST
5	21045	174864	4	F11S	1228H7	5562	BERGEN	ST
5	21045	174869	4	F11S	1228H7	5572	BERGEN	ST
5	21045	174961	4	F11S	1228H7	5541	BERGEN	ST
5	21045	174962	4	F11S	1228H7	5561	BERGEN	ST
5	21045	174965	4	F11S	1228H7	5571	BERGEN	ST
5	21045	303511	4	F11S	1228H7	5551	BERGEN	ST
5	21047	174712	4	F11S	1228H7	4980	MABLE	WY
5	21047	174740	4	F11S	1228J7	4971	MABLE	WY
5	21047	174847	4	F11S	1228J7	4961	MABLE	WY
5	21047	303387	4	F11S	1228H7	4970	MABLE	WY
5	21047	303330	4	F11S	1228J7	4981	MABLE	WY
5	21203	174949	4	F11S	1228J7	4951	MABLE	WY
5	21203	174973	4	F11S	1228H7	5581	BERGEN	ST
5	21203	303516	4	F11S	1228J7	5591	BERGEN	ST
6	50100	316039	4	K14S	1250B4	5408	CHAPARAJOS	CT
6	50100	316098	4	K14S	1250B4	5413	CHAPARAJOS	CT
6	50100	316183	4	K14S	1250B4	5407	CHAPARAJOS	CT
6	50100	192706	4	K14S	1250B4	5418	CHAPARAJOS	CT
6	50100	192848	4	K14S	1250B4	5408	CHAPARAJOS	CT
6	50100	192875	4	K14S	1250B4	5419	CHAPARAJOS	CT
6	50100	193063	4	K14S	1250B4	5401	CHAPARAJOS	CT
6	50099	315564	4	K14S	1250B4	5469	CHAPARAJOS	CT
6	50099	315608	4	K14S	1250B4	5446	CHAPARAJOS	CT
6	50099	315647	4	K14S	1250B4	5449	CHAPARAJOS	CT
6	50099	315730	4	K14S	1250B4	5443	CHAPARAJOS	CT
6	50099	315776	4	K14S	1250B4	5434	CHAPARAJOS	CT
6	50099	315805	4	K14S	1250B4	5437	CHAPARAJOS	CT
6	50099	315853	4	K14S	1250B4	5428	CHAPARAJOS	CT
6	50099	191964	4	K14S	1250B4	5458	CHAPARAJOS	CT
6	50099	192059	4	K14S	1250B4	5452	CHAPARAJOS	CT
6	50099	192293	4	K14S	1250B4	5440	CHAPARAJOS	CT
6	50099	192614	4	K14S	1250B4	5431	CHAPARAJOS	CT
6	50099	192744	4	K14S	1250B4	5425	CHAPARAJOS	CT
6	50098	315446	4	K14S	1250B4	5466	CHAPARAJOS	CT
6	50098	191970	4	K14S	1250B4	5474	CHAPARAJOS	CT
6	50097	315409	4	K14S	1250B4	5482	CHAPARAJOS	CT

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
6	50096	315539	4	K14S	1250B4	5490	CHAPARAJOS	CT
6	50096	192113	4	K14S	1250B4	5496	CHAPARAJOS	CT
6	50085	191890	4	K14S	1250B4	7415	MISSION GORGE	RD
6	49988	191107	4	K13S	1250B4	7669	CONESTOGA	WY
6	49987	315067	4	K13S	1250B4	7561	MISSION GORGE	RD
6	49986	191472	4	K13S	1250B4	7541	MISSION GORGE	RD
6	49986	191534	4	K13S	1250B4	7525	MISSION GORGE	RD
7	56744	189881	8	L13S	1250C4	7707	MISSION GORGE	RD
7	56748	191339	4	L13S	1250C4	7704	MARGERUM	AV
7	56749	191281	8	L13S	1250C4	7720	MARGERUM	AV
7	56750	314955	4	L13S	1250C4	7705	MARGERUM	AV
7	56750	191401	4	L13S	1250C4	7712	MARGERUM	AV
7	56751	314964	4	L13S	1250C4	5969	LARCHWOOD	AV
7	56751	191054	4	L13S	1250C4	5972	LARCHWOOD	AV
7	56751	191326	4	L13S	1250C4	5959	LARCHWOOD	AV
7	56797	315418	4	K14S	1250C4	5865	LARAMIE	WY
7	56797	315483	4	K14S	1250C4	5855	LARAMIE	WY
7	56797	191628	4	L13S	1250C4	5895	LARAMIE	WY
7	56797	191710	4	L14S	1250C4	5885	LARAMIE	WY
7	56797	191722	4	K14S	1250C4	5866	LARAMIE	WY
7	56797	191794	4	L14S	1250C4	5875	LARAMIE	WY
7	56797	191815	4	K14S	1250C4	5856	LARAMIE	WY
8	56733	312573	4	L13S	1250C3	7886	HILLANDALE	DR
8	56733	312578	4	L13S	1250C3	7895	HILLANDALE	DR
8	56733	312628	4	L13S	1250C3	7878	HILLANDALE	DR
8	56733	187904	4	L13S	1250C3	7894	HILLANDALE	DR
8	56733	188069	4	L13S	1250C3	7885	HILLANDALE	DR
8	56734	312735	4	L13S	1250C3	7875	HILLANDALE	DR
8	56734	312771	4	L13S	1250C3	7864	HILLANDALE	DR
8	56734	312812	4	L13S	1250C3	7865	HILLANDALE	DR
8	56734	188115	4	L13S	1250C3	7870	HILLANDALE	DR
8	56735	312901	4	L13S	1250C3	7855	HILLANDALE	DR
8	56735	312969	4	L13S	1250C3	7847	HILLANDALE	DR
8	56735	313051	4	L13S	1250C3	7832	HILLANDALE	DR
8	56735	188338	4	L13S	1250C3	7856	HILLANDALE	DR
8	56735	188420	4	L13S	1250C3	7848	HILLANDALE	DR
8	56735	188536	4	L13S	1250C3	7840	HILLANDALE	DR
8	56735	188599	4	L13S	1250C3	7839	HILLANDALE	DR
8	56735	188688	4	L13S	1250C3	7831	HILLANDALE	DR
8	56735	188729	4	L13S	1250C3	7824	HILLANDALE	DR
8	56735	188792	4	L13S	1250C3	7823	HILLANDALE	DR

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
8	56736	313320	4	L13S	1250C3	7808	HILLANDALE	DR
8	56736	313404	4	L13S	1250C3	7790	HILLANDALE	DR
8	56736	313505	4	L13S	1250C3	7787	HILLANDALE	DR
8	56736	313568	4	L13S	1250C4	7770	HILLANDALE	DR
8	56736	313651	4	L13S	1250C4	7760	HILLANDALE	DR
8	56736	188870	4	L13S	1250C3	7816	HILLANDALE	DR
8	56736	188910	4	L13S	1250C3	7815	HILLANDALE	DR
8	56736	189042	4	L13S	1250C3	7807	HILLANDALE	DR
8	56736	189141	4	L13S	1250C3	7795	HILLANDALE	DR
8	56736	189214	4	L13S	1250C3	7780	HILLANDALE	DR
8	56736	189389	4	L13S	1250C4	7779	HILLANDALE	DR
8	56736	189512	4	L13S	1250C4	7771	HILLANDALE	DR
8	56753	314477	4	L13S	1250C4	7745	LARCHWOOD	WY
8	56753	314575	4	L13S	1250C4	7725	LARCHWOOD	WY
8	56753	190609	4	L13S	1250C4	7740	LARCHWOOD	WY
8	56753	190666	4	L13S	1250C4	7735	LARCHWOOD	WY
8	56753	190788	4	L13S	1250C4	7720	LARCHWOOD	WY
8	56753	279999	4	L13S	1250C4	7730	LARCHWOOD	WY
8	56755	314066	4	L13S	1250C4	6006	HILLANDALE	CT
8	56755	314214	4	L13S	1250C4	6011	HILLANDALE	CT
8	56755	190141	4	L13S	1250C4	6005	HILLANDALE	CT
8	56756	189995	4	L13S	1250C4	6018	HILLANDALE	CT
8	56756	190021	4	L13S	1250C4	6012	HILLANDALE	CT
8	56757	313804	4	L13S	1250C4	7763	HILLANDALE	DR
8	56757	313899	4	L13S	1250C4	7755	HILLANDALE	DR
8	56757	313981	4	L13S	1250C4	7747	HILLANDALE	DR
8	56757	189602	4	L13S	1250C4	7750	HILLANDALE	DR
8	56757	189702	4	L13S	1250C4	7742	HILLANDALE	DR
8	56758	314126	4	L13S	1250C4	7731	HILLANDALE	DR
8	56758	190037	4	L13S	1250C4	7739	HILLANDALE	DR
8	56758	190159	4	L13S	1250C4	7728	HILLANDALE	DR
8	56759	314237	4	L13S	1250C4	7720	HILLANDALE	DR
8	56759	314300	4	L13S	1250C4	7715	HILLANDALE	DR
8	56759	314324	4	L13S	1250C4	7712	HILLANDALE	DR
8	56759	314358	4	L13S	1250C4	7707	HILLANDALE	DR
8	56759	190258	4	L13S	1250C4	7723	HILLANDALE	DR
8	56759	190517	4	L13S	1250C4	7704	HILLANDALE	DR
9	56834	317430	4	L14S	1250D4	6236	OAKRIDGE	RD
9	56834	317451	4	L14S	1250D4	6230	OAKRIDGE	RD
9	56834	317477	4	L14S	1250D4	6247	OAKRIDGE	RD
9	56834	317557	4	L14S	1250D4	6218	OAKRIDGE	RD

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SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
9	56834	194623	4	L14S	1250D4	6242	OAKRIDGE	RD
9	56834	194816	4	L14S	1250D4	6224	OAKRIDGE	RD
9	56834	194823	4	L14S	1250D4	6241	OAKRIDGE	RD
9	56834	194879	4	L14S	1250D4	6235	OAKRIDGE	RD
9	56834	194942	4	L14S	1250D4	6229	OAKRIDGE	RD
9	56834	195001	4	L14S	1250D4	6223	OAKRIDGE	RD
9	56834	195036	4	L14S	1250D4	6211	OAKRIDGE	RD
9	56834	195039	4	L14S	1250D4	6217	OAKRIDGE	RD
9	56835	317303	4	L14S	1250D4	6266	OAKRIDGE	RD
9	56835	317312	4	L14S	1250D4	6260	OAKRIDGE	RD
9	56835	317315	4	L14S	1250D4	6272	OAKRIDGE	RD
9	56835	317366	4	L14S	1250D4	6284	OAKRIDGE	RD
9	56835	317463	4	L14S	1250D4	6253	OAKRIDGE	RD
9	56835	194551	4	L14S	1250D4	6254	OAKRIDGE	RD
9	56835	194560	4	L14S	1250D4	6278	OAKRIDGE	RD
9	56835	194588	4	L14S	1250D4	6248	OAKRIDGE	RD
9	56835	194702	4	L14S	1250D4	6259	OAKRIDGE	RD
9	56835	194710	4	L14S	1250D4	6267	OAKRIDGE	RD
9	56835	194734	4	L14S	1250D4	6275	OAKRIDGE	RD
9	56836	317425	4	L14S	1250D4	6290	OAKRIDGE	RD
9	56836	317526	4	L14S	1250D4	6283	OAKRIDGE	RD
9	56836	317582	4	L14S	1250D4	6313	OAKRIDGE	RD
9	56836	317692	4	L14S	1250D4	6325	OAKRIDGE	RD
9	56836	194956	4	L14S	1250D4	6319	OAKRIDGE	RD
9	56869	317554	4	L14S	1250D4	7210	STRATUS	CT
9	56869	194748	4	L14S	1250D4	7231	STRATUS	CT
9	56869	194751	4	L14S	1250D4	7221	STRATUS	CT
9	56869	194752	4	L14S	1250D4	7231	STRATUS	CT
9	56869	194753	4	L14S	1250D4	7230	STRATUS	CT
9	56869	194754	4	L14S	1250D4	7220	STRATUS	CT
9	56870	194963	4	L14S	1250D4	6330	OAKRIDGE	RD
9	56870	195018	4	L14S	1250D4	6340	OAKRIDGE	RD
9	56870	195068	4	L14S	1250D4	6331	OAKRIDGE	RD
9	56870	195105	4	L14S	1250D4	6337	OAKRIDGE	RD
9	56870	195140	4	L14S	1250D4	6343	OAKRIDGE	RD
9	56870	195183	4	L14S	1250D4	6349	OAKRIDGE	RD
9	56872	194782	4	L14S	1250D4	6351	AMBERLY	ST
9	56873	317408	4	L14S	1250D4	6356	AMBERLY	ST
9	56873	317449	4	L14S	1250D4	6362	AMBERLY	ST
9	56873	317489	4	L14S	1250D4	6368	AMBERLY	ST
9	56873	317532	4	L14S	1250D4	6374	AMBERLY	ST

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PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
9	56873	317580	4	L14S	1250D4	6380	AMBERLY	ST
9	56873	317647	4	L14S	1250D4	6375	AMBERLY	ST
9	56873	194600	4	L14S	1250D4	6350	AMBERLY	ST
9	56873	194805	4	L14S	1250D4	6357	AMBERLY	ST
9	56873	194841	4	L14S	1250D4	6363	AMBERLY	ST
9	56873	194897	4	L14S	1250D4	6369	AMBERLY	ST
9	56873	195007	4	L14S	1250D4	6381	AMBERLY	ST
9	56874	317742	4	L14S	1250D4	6350	OAKRIDGE	RD
9	56874	317767	4	L14S	1250D4	6358	OAKRIDGE	RD
9	56874	317858	4	L14S	1250D5	6355	OAKRIDGE	RD
9	56874	317891	4	L14S	1250D5	6363	OAKRIDGE	RD
9	56874	195149	4	L14S	1250D4	6364	OAKRIDGE	RD
9	56875	317818	4	L14S	1250D4	6372	OAKRIDGE	RD
9	56875	317856	4	L14S	1250D4	6380	OAKRIDGE	RD
9	56875	317927	4	L14S	1250D5	6371	OAKRIDGE	RD
9	56875	195300	4	L14S	1250D4	6388	OAKRIDGE	RD
9	56875	195373	4	L14S	1250D5	6396	OAKRIDGE	RD
9	56875	195411	4	L14S	1250D5	6379	OAKRIDGE	RD
9	56875	195470	4	L14S	1250D5	6387	OAKRIDGE	RD
9	56876	318046	4	L14S	1250D5	6418	OAKRIDGE	RD
9	56876	318144	4	L14S	1250D5	6440	OAKRIDGE	RD
9	56876	318156	4	L14S	1250D5	6415	OAKRIDGE	RD
9	56876	318196	4	L14S	1250D5	6450	OAKRIDGE	RD
9	56876	318205	4	L14S	1250D5	6425	OAKRIDGE	RD
9	56876	195441	4	L14S	1250D5	6406	OAKRIDGE	RD
9	56876	195521	4	L14S	1250D5	6395	OAKRIDGE	RD
9	56876	195563	4	L14S	1250D5	6430	OAKRIDGE	RD
9	56876	195581	4	L14S	1250D5	6405	OAKRIDGE	RD
9	56876	195766	4	L14S	1250D5	6435	OAKRIDGE	RD
9	56876	195828	4	L14S	1250D5	6445	OAKRIDGE	RD
9	56877	317923	4	L14S	1250D4	6450	AMBERLY	ST
9	56877	318010	4	L14S	1250D5	6453	AMBERLY	ST
9	56877	318124	4	L14S	1250D5	6463	AMBERLY	ST
9	56877	318172	4	L14S	1250D5	6473	AMBERLY	ST
9	56877	195484	4	L14S	1250D5	6460	AMBERLY	ST
9	56877	195552	4	L14S	1250D5	6470	AMBERLY	ST
9	56878	317637	4	L14S	1250D4	6386	AMBERLY	ST
9	56878	317747	4	L14S	1250D4	6410	AMBERLY	ST
9	56878	317788	4	L14S	1250D4	6393	AMBERLY	ST
9	56878	317837	4	L14S	1250D4	6430	AMBERLY	ST
9	56878	317953	4	L14S	1250D5	6443	AMBERLY	ST

August 6, 2020

PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
9	56878	195020	4	L14S	1250D4	6392	AMBERLY	ST
9	56878	195076	4	L14S	1250D4	6387	AMBERLY	ST
9	56878	195152	4	L14S	1250D4	6420	AMBERLY	ST
9	56878	195197	4	L14S	1250D4	6413	AMBERLY	ST
9	56878	195260	4	L14S	1250D5	6423	AMBERLY	ST
9	56878	195268	4	L14S	1250D4	6440	AMBERLY	ST
9	56878	195319	4	L14S	1250D5	6433	AMBERLY	ST
9	56888	318219	4	L14S	1250D5	6483	AMBERLY	ST
9	56888	318226	4	L14S	1250D5	6510	AMBERLY	ST
9	56888	318256	4	L14S	1250D5	6493	AMBERLY	ST
9	56888	318314	4	L14S	1250D5	6505	AMBERLY	ST
9	56888	195608	4	L14S	1250D5	6480	AMBERLY	ST
9	56888	195665	4	L14S	1250D5	6490	AMBERLY	ST
9	56888	195802	4	L14S	1250D5	6530	AMBERLY	ST
9	56888	195884	4	L14S	1250D5	6517	AMBERLY	ST
9	56888	195919	4	L14S	1250D5	6529	AMBERLY	ST
9	56888	195931	4	L14S	1250D5	6541	AMBERLY	ST
9	56900	318361	4	L14S	1250E5	6662	OAKRIDGE	RD
9	56900	195743	4	L14S	1250E5	6690	OAKRIDGE	RD
9	56900	195816	4	L14S	1250E5	6676	OAKRIDGE	RD
9	56900	195960	4	L14S	1250E5	6681	OAKRIDGE	RD
9	56900	196047	4	L14S	1250E5	6669	OAKRIDGE	RD
9	56969	318295	4	L14S	1250D5	6460	OAKRIDGE	RD
9	56969	318479	4	L14S	1250D5	6490	OAKRIDGE	RD
9	56969	318514	4	L14S	1250D5	6506	OAKRIDGE	RD
9	56969	195885	4	L14S	1250D5	6455	OAKRIDGE	RD
9	56969	195898	4	L14S	1250D5	6470	OAKRIDGE	RD
9	56969	195959	4	L14S	1250D5	6465	OAKRIDGE	RD
9	56969	195968	4	L14S	1250D5	6480	OAKRIDGE	RD
9	56969	196023	4	L14S	1250D5	6475	OAKRIDGE	RD
9	56969	196098	4	L14S	1250D5	6485	OAKRIDGE	RD
9	56969	196153	4	L14S	1250D5	6495	OAKRIDGE	RD
9	56969	196218	4	L14S	1250D5	6505	OAKRIDGE	RD
9	56970	318566	4	L14S	1250D5	6518	OAKRIDGE	RD
9	56970	318765	4	L14S	1250D5	6521	OAKRIDGE	RD
9	56970	196216	4	L14S	1250D5	6530	OAKRIDGE	RD
9	56970	196306	4	L14S	1250D5	6513	OAKRIDGE	RD
9	56970	196433	4	L14S	1250D5	6529	OAKRIDGE	RD
9	56971	318826	4	L14S	1250D5	6537	OAKRIDGE	RD
9	56971	318839	4	L14S	1250D5	6555	OAKRIDGE	RD
9	56971	196289	4	L14S	1250D5	6540	OAKRIDGE	RD

August 6, 2020

PIPELINE REHABILITATION BB-1 LATERAL SPREADSHEET B-19201

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
9	56971	196299	4	L14S	1250D5	6550	OAKRIDGE	RD
9	56971	196536	4	L14S	1250D5	6545	OAKRIDGE	RD
9	57021	318602	4	L14S	1250D5	6606	OAKRIDGE	RD
9	57021	318633	4	L14S	1250D5	6590	OAKRIDGE	RD
9	57021	318656	4	L14S	1250D5	6580	OAKRIDGE	RD
9	57021	196266	4	L14S	1250D5	6570	OAKRIDGE	RD
9	57021	196293	4	L14S	1250D5	6560	OAKRIDGE	RD
9	57021	196354	4	L14S	1250D5	6607	OAKRIDGE	RD
9	57021	196383	4	L14S	1250D5	6595	OAKRIDGE	RD
9	57021	196421	4	L14S	1250D5	6585	OAKRIDGE	RD
9	57021	196451	4	L14S	1250D5	6575	OAKRIDGE	RD
9	57021	196486	4	L14S	1250D5	6565	OAKRIDGE	RD
9	57022	318458	4	L14S	1250E5	6648	OAKRIDGE	RD
9	57022	318553	4	L14S	1250E5	6620	OAKRIDGE	RD
9	57022	318612	4	L14S	1250E5	6645	OAKRIDGE	RD
9	57022	318716	4	L14S	1250E5	6619	OAKRIDGE	RD
9	57022	196080	4	L14S	1250E5	6634	OAKRIDGE	RD
9	57022	196143	4	L14S	1250E5	6657	OAKRIDGE	RD
9	57022	196254	4	L14S	1250E5	6633	OAKRIDGE	RD

Number of 4" lateral- 836

Number of 6" lateral- 1

Number of 8" lateral- 2

**APPENDIX M**  
**CONCRETE ENCASED AREA SPREADSHEET**

December 4, 2020

**PIPELINE REHABILITATION BB-1 CONCRETE ENCASED AREA SPREADSHEET - EXISTING LOCATIONS B-19201**

Please see SDS-112 for Concrete Encasement

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (each)	NUMBER OF POINT REPAIRS ON PIPELINE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT	THOMAS BRO	LOCATION OF CONCRETE ENCASEMENT
1	20888	10	VC	271	9	1	POINT REPAIR-REHAB	PALMYRA AV	CLAIREMONT MESA	6	1228H7	CONCRETE ENCASED LATERALS ONLY
1	20902	10	VC	320	12	3	POINT REPAIR-REHAB	PALMYRA AV	CLAIREMONT MESA	6	1228H6	CONCRETE ENCASED LATERALS ONLY
1	20903	10	VC	38	2	1	POINT REPAIR-REHAB	NORTHDRIDGE CT	CLAIREMONT MESA	6	1228H6	CONCRETE ENCASED LATERALS ONLY
2	20925	8	VC	250	9	2	POINT REPAIR-REHAB	ENELRA PL	CLAIREMONT MESA	6	1228G7	CONCRETE ENCASED MAIN & LATERALS
5	21043	10	VC	350	10	1	POINT REPAIR-REHAB	BERGEN ST	CLAIREMONT MESA	6	1228H7	CONCRETE ENCASED MAIN & LATERALS
Totals:				1229	42	8						

8" pipeline= 250 LF  
 10" pipeline= 979 LF  
 Total LF of pipe= 1229 LF

**CONCRETE ENCASED LATERALS ON PIPELINES WITH POINT REPAIRS**

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
1	20888	301506	4	F10S	1228H7	5309	PALMYRA	AV
1	20902	301357	4	F10S	1228H6	5384	PALMYRA	AV
1	20902	301363	4	F10S	1228H6	5374	PALMYRA	AV
1	20902	301404	4	F10S	1228H6	5354	PALMYRA	AV
1	20902	301423	4	F10S	1228H6	5340	PALMYRA	AV
1	20902	301475	4	F10S	1228H7	5333	PALMYRA	AV
1	20902	301488	4	F10S	1228H7	5321	PALMYRA	AV
1	20902	171928	4	F10S	1228H6	5369	PALMYRA	AV
1	20902	171970	4	F10S	1228H6	5357	PALMYRA	AV
1	20902	171984	4	F10S	1228H6	5326	PALMYRA	AV
1	20902	172002	4	F10S	1228H7	5345	PALMYRA	AV
1	20902	172010	4	F10S	1228H6	5312	PALMYRA	AV
1	20903	171871	4	F10S	1228H6	5469	NORTHDRIDGE	CT
1	20903	171882	4	F10S	1228H6	5459	NORTHDRIDGE	CT
2	20925	172758	4	F10S	1228G7	5138	ENELRA	PL
2	20925	301991	4	F10S	1228G7	5148	ENELRA	PL
2	20925	302018	4	F10S	1228G7	5135	ENELRA	PL
2	20925	302029	4	F10S	1228G7	5130	ENELRA	PL
5	21043	303440	4	F11S	1228H7	5468	BERGEN	ST

## APPENDIX N

### REHAB DATA COLLECTION - SEWER MAINS SAMPLE DATA TEMPLATE



## APPENDIX O

### REHAB DATA COLLECTION - MANHOLE SAMPLE DATA TEMPLATE



**APPENDIX P**

**REHAB DATA COLLECTION - LATERAL SAMPLE DATA TEMPLATE**



## APPENDIX Q

### 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 Q**

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 R**  
**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) \_\_\_\_\_  
UNNA 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 <sup>1</sup>

## 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.

---

<sup>1</sup> 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 <sup>3</sup>
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT <sup>3</sup>
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT <sup>3</sup>
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

**EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM**

<b>A</b>	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER ( ) -	
<b>B</b>	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
<b>C</b>	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
<b>D</b>	CHEMICAL OR TRADE NAME (print or type)		CAS Number
<b>D</b>	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"/>	
<b>D</b>	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
<b>D</b>	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
<b>E</b>	ACTIONS TAKEN		
<b>F</b>	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) _____		
<b>G</b>	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
<b>H</b>	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
<b>I</b>	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 S**  
**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:

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- Cars parked in violation of signs will be TOWED.

#### Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

#### City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

To contact the City of San Diego:  Public Works  
619-533-4207 | [engineering@sandiego.gov](mailto:engineering@sandiego.gov) | [sandiego.gov/CIP](http://sandiego.gov/CIP)

 This information is available in alternative formats upon request.

To contact the City of San Diego:  Public Works  
619-533-4207 | [engineering@sandiego.gov](mailto:engineering@sandiego.gov) | [sandiego.gov/CIP](http://sandiego.gov/CIP)

 This information is available in alternative formats upon request.

**APPENDIX T**

**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 402-2, "Protection", of the 2018 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**



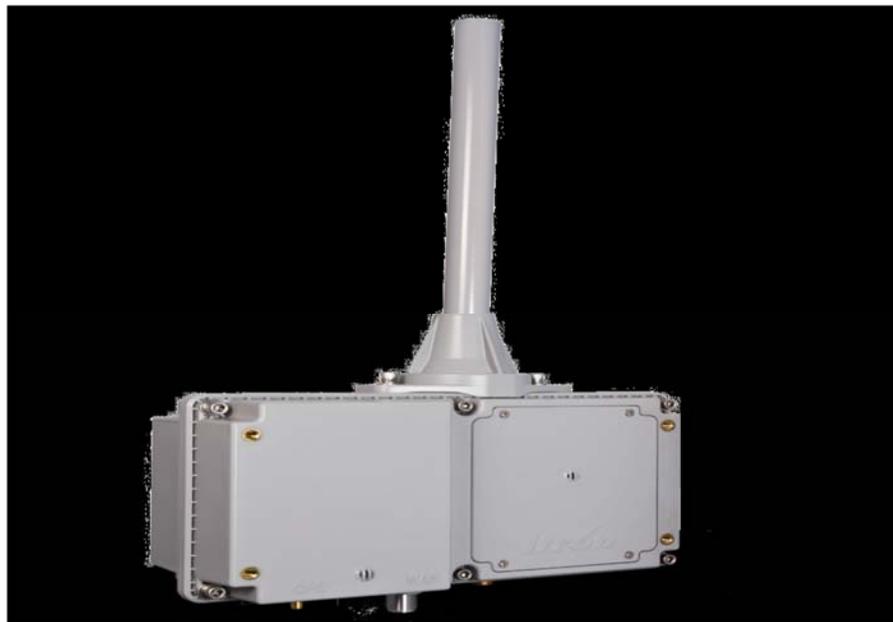
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:



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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**

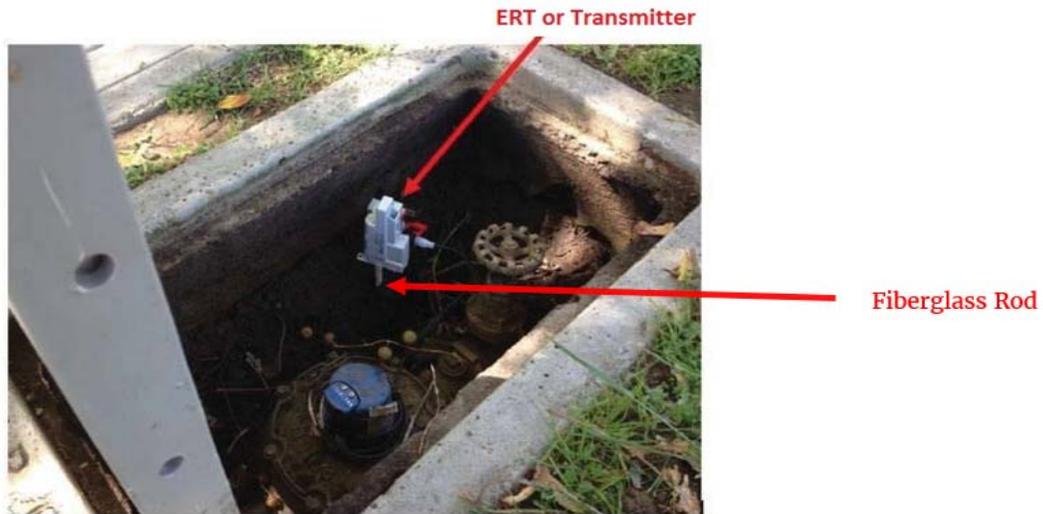


Photo 6 below is an example of disturbance that shall be avoided:

**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.**

**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 Burtech Pipeline Incorporated, herein called "Contractor" for construction of **Pipeline Rehabilitation BB-1**; Bid No. **K-21-2006-DBB-3**; in the total amount Three Million Seven Hundred Thousand Dollars and Zero Cents (\$3,700,000.00), which is comprised of the Base Bid and the total of Phase I.

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 **Pipeline Rehabilitation BB-1** on file in the office of the Engineering & Capital Projects Department as Document No. **B-19201**, 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 **Pipeline Rehabilitation BB-1**, Bid No. **K-21-2006-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)**

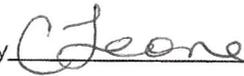
**IN WITNESS WHEREOF**, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code **§22.3102** authorizing such execution.

**THE CITY OF SAN DIEGO**

**APPROVED AS TO FORM**

Mara W. Elliott, City Attorney

By 

By 

Print Name: Stephen Samara  
Principal Contract Specialist  
Engineering & Capital Projects Department

Print Name: Christine Leone  
Deputy City Attorney

Date: 6/16/2021

Date: 6/17/2021

**CONTRACTOR**

By  

Print Name: Dominic J. Burtech

Title: President & CEO

Date: May 10, 2021

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

## **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**

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### **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 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:

**PIPELINE REHABILITATION BB-1**

(Project Title )

as particularly described in said contract and identified as Bid No. **K-21-2006-DBB-3**; SAP No. (WBS) **B-19201**; 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 <sup>①</sup>	WHERE CERTIFIED <sup>②</sup>
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**

**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. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**
- F. CONTRACTOR’S EXPERIENCE AND PAST PROJECT DOCUMENTATION. SEE SSP AND 2018 WB SECTION 500-2.1 “INITIAL SUBMITTALS”**
- G. MANUFACTURER AUTHORIZED INSTALLER CERTIFICATION. SEE SSP AND 2018 WB SECTION 500-2.1, “INITIAL SUBMITTALS”**

**BID BOND**

**See Instructions to Bidders, Bidder Guarantee of Good Faith  
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That BURTECH PIPELINE, INCORPORATED as Principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY 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

PIPELINE REHABILITATION BB-1

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 4TH day of MARCH, 2021

BURTECH PIPELINE, INCORPORATED (SEAL)  
(Principal)

NORTH AMERICAN SPECIALTY INSURANCE COMPANY (SEAL)  
(Surety)

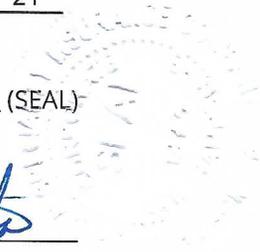
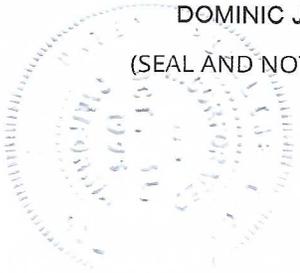
By: [Signature]  
(Signature)

By: [Signature]  
(Signature)

DOMINIC J. BURTECH, JR., PRESIDENT

MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)



# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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 3/16/2021 before me, Arthur P. Arquilla, Notary Public  
(Here insert name and title of the officer)

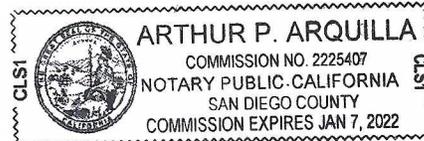
personally appeared Dominic Burtch  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)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

Arthur P. Arquilla  
Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer
- \_\_\_\_\_ (Title)
- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

**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 3/4/2021 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*

personally appeared MARK D. IATAROLA  
*Name(s) of Signer(s)*

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

Place Notary Seal and/or Stamp Above

**OPTIONAL**

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

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

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

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

Signer's Name: MARK D. IATAROLA

Signer's Name: \_\_\_\_\_

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

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

Partner –  Limited  General

Partner –  Limited  General

Individual  Attorney in Fact

Individual  Attorney in Fact

Trustee  Guardian of Conservator

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA, MARK D. IATAROLA, JESSICA SCHMAL
AND TRACY LYNN RODRIGUEZ JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: ONE HUNDRED TWENTY FIVE MILLION (\$125,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

By Mike A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation



IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 19TH day of JUNE, 20 19.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook ss:

On this 19TH day of JUNE, 20 19, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 4TH day of MARCH, 20 21.

## 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
None					

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name



Signature

Date March 17, 2021

**USE ADDITIONAL FORMS AS NECESSARY**

## Mandatory Disclosure of Business Interests Form

### BIDDER/PROPOSER INFORMATION

<b>Legal Name</b>		<b>DBA</b>	
Burtech Pipeline, Incorporated			
<b>Street Address</b>	<b>City</b>	<b>State</b>	<b>Zip</b>
102 Second Street,	Encinitas,	California	92024
<b>Contact Person, Title</b>		<b>Phone</b>	<b>Fax</b>
Buddy Aquino - Chief Estimator		(760) 634-2822	(760) 634-2415

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.

<b>Name</b>	<b>Title/Position</b>
Dominic J. Burtech	President & CEO
<b>City and State of Residence</b>	<b>Employer (if different than Bidder/Proposer)</b>
Encinitas, California	
<b>Interest in the transaction</b>	
51%	

<b>Name</b>	<b>Title/Position</b>
Julie J. Burtech	Exec. VP & Secretary
<b>City and State of Residence</b>	<b>Employer (if different than Bidder/Proposer)</b>
Encinitas, California	
<b>Interest in the transaction</b>	
49%	

### \* 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.

Dominic J. Burtech - President & CEO


March 17, 2021

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): *Bidders and contractors* who have been *debarred* or *suspended* are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving *contract* awards, executing *contracts*, participating as a *subcontractor*, employee, agent or representative of another *person* 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
Dominic J. Burtech	President & CEO
Julie J. Burtech	Exec. VP & 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.

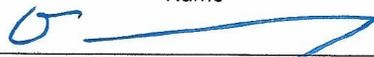
If there are any exceptions to this certification, insert the exceptions in the following space.

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: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name

✓  Date March 17, 2021

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
Piperin Corporation	
Craig Barry	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Chris Marquart dba Code 3 Media	
Chris Marquart	Sole Proprietor

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
G. Scott Asphalt, Inc.	
Daniel C. Wemple	President

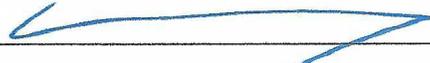
SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
NuLine Technologies LLC	
Dominic & Julie Burtech	Partners
Frank Durazo	Partner
Salvador Aquino	Partner

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name



Date March 17, 2021

Signature

**\*\*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)

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
McGrath Consulting, Inc.	
Michael McGrath	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
National Coating & Lining Company	
James Pleasants	President
Tom Unsell	Vice President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name

✓ 

Date March 17, 2021

Signature

**\*\*USE ADDITIONAL FORMS AS NECESSARY\*\***

# City of San Diego

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

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## ADDENDUM A



## FOR

## PIPELINE REHABILITATION BB-1

BID NO.:	K-21-2006-DBB-3
SAP NO. (WBS/IO/CC):	B-19201
CLIENT DEPARTMENT:	2000
COUNCIL DISTRICT:	6, 7
PROJECT TYPE:	JA

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### **BID DUE DATE:**

**2:00 PM  
MARCH 17, 2021**

### **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  
Engineering & Capital Projects Department

Dated: *February 26, 2021*  
San Diego, California

JN/AJ/rd

# City of San Diego

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

## ADDENDUM B



FOR

## PIPELINE REHABILITATION BB-1

BID NO.: K-21-2006-DBB-3  
SAP NO. (WBS/IO/CC): B-19201  
CLIENT DEPARTMENT: 2000  
COUNCIL DISTRICT: 6, 7  
PROJECT TYPE: JA

---

**BID DUE DATE:**

**2:00 PM  
MARCH 17, 2021**

**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:

Sheila Bose  
For City Engineer

3/2/21  
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. Appendix J mentions "External Point Repair-15EA" and "Internal Point Repair-17EA": These are two separate items done by separate contractors. One is a Dig, and the other is a "sectional" type repair. Will the City please put a bid item for "Internal" point repair to separate these two different scopes (and different costs).
- A1. See revised Appendix G and Appendix J and assume all point repairs are external and require excavation as per revision in this Addendum B.
- Q2. Based on review of Appendix J, manhole rehab table, and mainline cleanout table, it appears the City is off with the bid items quantity for the Sewer Lateral Rehab Less than 7' and Sewer Lateral Rehab more than 7, items 49 and 50. With the given manhole depths, the percentage will be more in line with 80% less than and 20% greater than 7'. Will the city consider changing the bid item quantities?
- A2. The bid item quantities are to remain the same. Bid per construction documents.
- Q3. Will the City lower the Prime Contractor percentage from 50%? On previous projects of similar nature, it has been lowered to 25% (or 33%). There are many trades on this project, Main Line Lining, Lateral Lining, Cleanout Digging, Mainline digging, and a lot of pavement work on this project. If not lowered from 50% there may only be 1 bidder available.
- A3. The Prime Contractor percentage will be lowered to 30%.
- Q4. For Bid Items 58 and 59, it appears the whole footage is considered for a "Point Repair." This skews the Point Repair Pricing on these items. Will the City please put the footage called out for point repairs and not the whole segment. I believe the Point Repair footage is 10' each. Or make it an "Each" item.

- A4. See the revised bid item #58 and #59 quantities in the revised bid list and Appendix M. The quantities for bid items 58 and 59 have been revised to reflect the linear footage of point repairs. An additional bid item has been added for "Additional 8" Point Repair with Concrete Encasement (Appendix M)." Per reference payment section 500.4.7 Payment in the 2018 Whitebook, one point repair is assumed to be 8 feet. As per revision as per this Addendum B.

### 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 **\$5,260,000**.

### D. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 3, **Control of the Work**, Subsection 3-2, **Self-Performance**, page 39, **DELETE** in its entirety and **SUBSTITUTE** with the following:
  - 3-2 **SELF-PERFORMANCE.** To the "GREENBOOK", **DELETE** in its entirety and **SUBSTITUTE** with the following:
    1. You shall perform, with your own organization, Contract Work amounting to at least 30% of the Base Bid.
2. To Appendix G, Site Maps, pages 97 through 117, **DELETE** in their entirety and **SUBSTITUTE** with pages 6 through 26 of this Addendum.
3. To Appendix J, Sewer Mains Pipeline Rehabilitation BB-1 Spreadsheets, pages 129 and 130, **DELETE** in their entirety and **SUBSTITUTE** with pages 27 through 28 of this Addendum.
4. To Appendix M, Concrete Encased Area Spreadsheet, page 158, **DELETE** in its entirety and **SUBSTITUTE** with page 29 of this Addendum.

**E. 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	237110	8" Point Repair with Concrete Encasement (Appendix M)	<del>LF</del> EA	<del>250</del> 2	500-4.7
Main Bid	237110	10" Point Repair with Concrete (Appendix M)	<del>LF</del> EA	<del>979</del> 8	500-4.7
<u>Main Bid</u>	<u>237110</u>	<u>Additional 8" Point Repair with Concrete Encasement (Appendix M)</u>	LF	<u>109</u>	<u>500-4.7</u>

James Nagelvoort, Director  
Engineering & Capital Projects Department

Dated: *March 4, 2021*  
San Diego, California

JN/AJ/lir

TABLE OF CONTENTS FOR PIPELINE REHABILITATION BB-1

PAGE NO	DESCRIPTION
I	CONTRACTOR'S NOTE
II	VICINITY MAP
III	KEY MAP
1-9	GIS SITE MAPS
1-5	SURVEY MONUMENT PERPETUATION
1	REFERENCE ASBUILT DRAWINGS

## **PIPELINE REHABILITATION BB-1**

### **WORK TO BE DONE**

CONSTRUCTION CONSISTS OF TRENCHLESS REHABILITATION 33,290 LF (6.30 MILES) OF EXISTING 8-INCH & 10-INCH VITRIFIED CLAY PIPE (VCP) SEWER MAINS. THE PROJECT INCLUDES APPROXIMATELY 32 POINT REPAIRS, REHABILITATION OF ALL ASSOCIATED SEWER LATERALS FROM THE SEWER MAIN TO THE PROPERTY LINE OR LATERAL CONNECTIONS WITHIN PRIVATE STREETS AND EASEMENTS, REHABILITATION OF 112 MANHOLES, REPLACEMENT OF 9, MANHOLES, REPAIR OF 11 MANHOLES, 3 NEW MANHOLES INSTALLED, INSTALLATION OF 28 NEW MAIN LINES CLEANOUTS AND INSTALLATION OF SEWER LATERAL CLEANOUTS, AND ASSOCIATED STREET RESURFACING SCOPE OF WORK ALSO INCLUDES CURB RAMP INSTALLATION.

### **CONTRACTOR'S RESPONSIBILITIES**

1. 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.
2. **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)**
3. 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.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. 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.
7. 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.
8. SEWER MANHOLES SHALL BE INSTALLED AT LEAST 5 FEET AWAY FROM THE NEAREST SEWER LATERAL.

CONTRACTOR'S NOTES

1. SEE SURVEY NOTES ON MONUMENT PERPETUATION SHEET.
2. CONTRACTOR STORM WATER PROTECTION NOTES
  - a. TOTAL SITE DISTURBANCE AREA (ACRES: 0.07 ACRES)
    - I. HYDROLOGIC UNIT/WATERSHED: PENASQUITOS/(MISSION BAY/LA JOLLA WMA)  
HYDROLOGIC SUBAREA NAME & NO: MIRAMAR: 906.4
    - II. HYDROLOGIC UNIT / WATERSHED: PENASQUITOS/(MISSION BAY/LA JOLLA WMA)  
HYDROLOGIC SUBAREA NAME & NO: TECOLOTE: 906.5
    - III. HYDROLOGIC UNIT / WATERSHED: SAN DIEGO/ SAN DIEGO RIVER WMA  
HYDROLOGIC SUBAREA NAME & NO: MISSION SAN DIEGO: 907.11
  - b. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

WPCP

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT  
NO. R9-2013-0001AS AMENDED BY R9-2015-0001AND R9-2015-0100

SWPPP

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT  
NO. R9-2013- 0001AS AMENDED BY R9-2015-0001AND 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

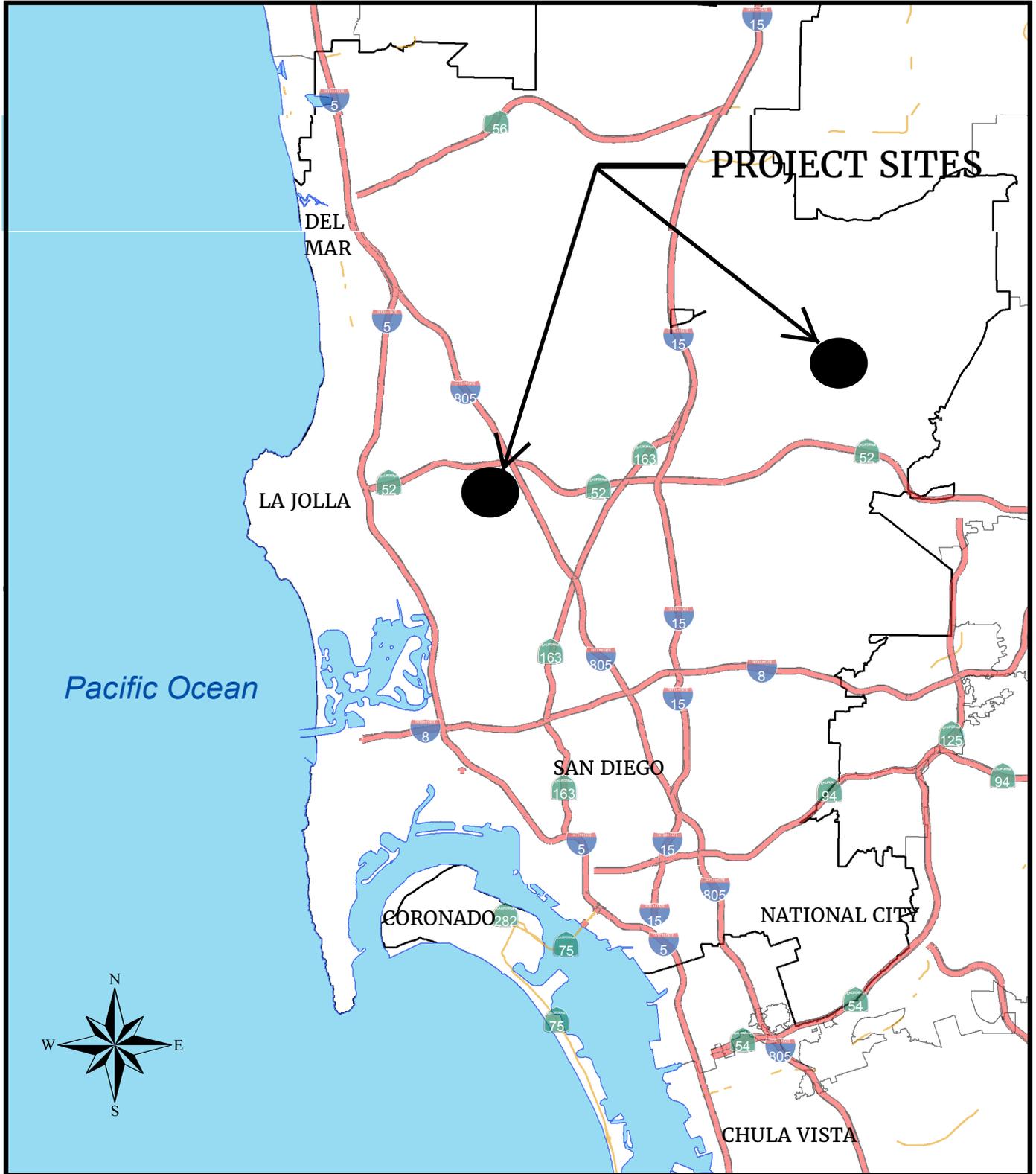
LUP: RISK TYPE 1  2  3

c.  CONSTRUCTION SITE PRIORITY

ASBS  HIGH  MEDIUM  LOW

3. 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.

# PIPELINE REHABILITATION BB-1



**VICINITY MAP**  
NOT TO SCALE



# Engineering & Capital Projects

## PIPELINE REHABILITATION BB-1

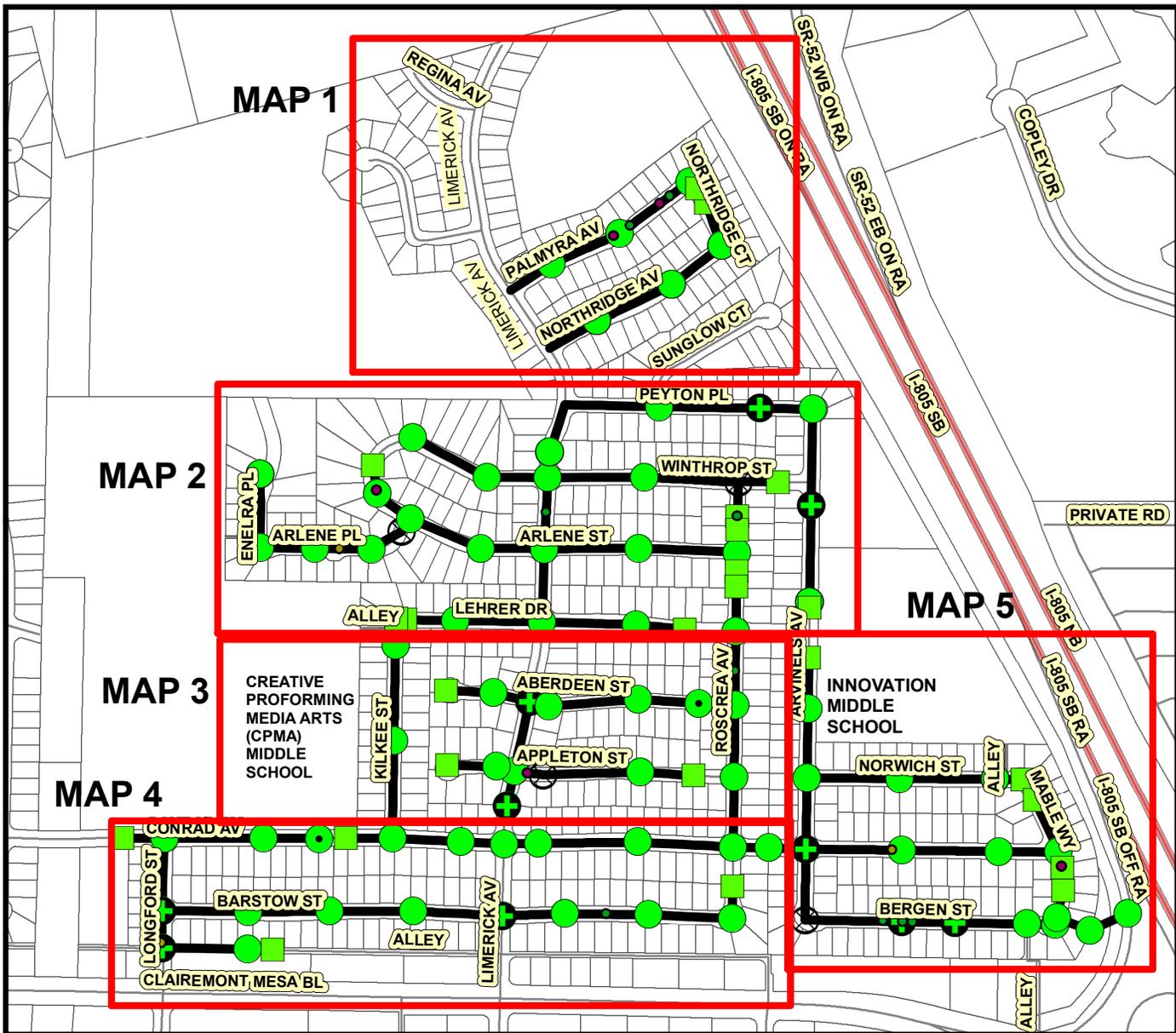
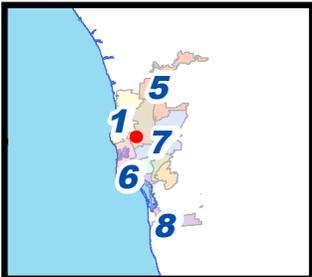
### KEY MAP 1

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

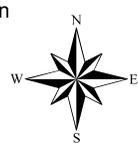
PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



### Legend

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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**PIPELINE REHABILITATION BB-1**

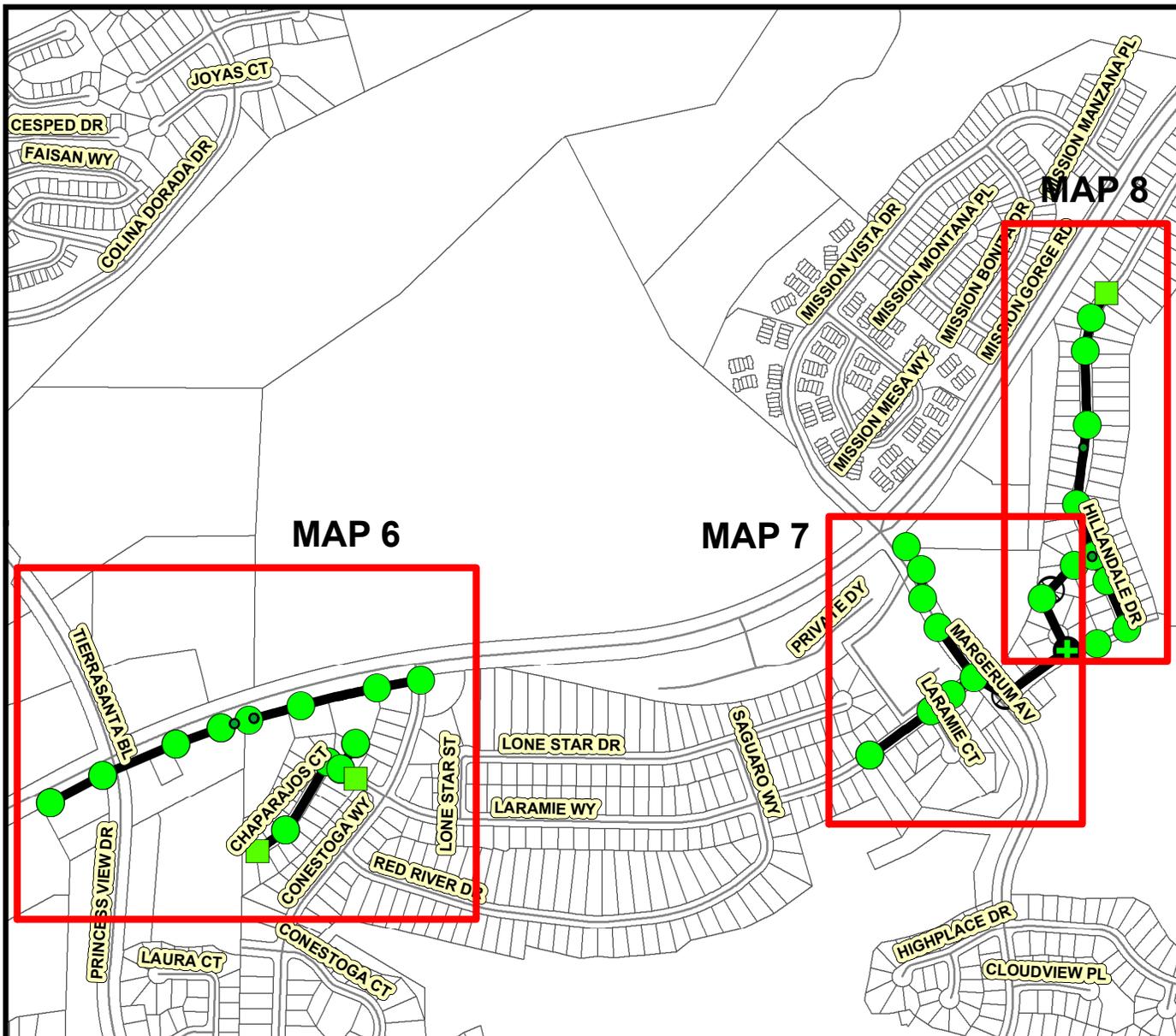
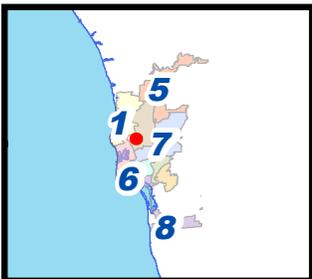
**KEY MAP 2**

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



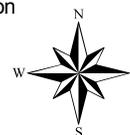
**Legend**

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair

External point repair

- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair

- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation



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# Engineering & Capital Projects

## PIPELINE REHABILITATION BB-1

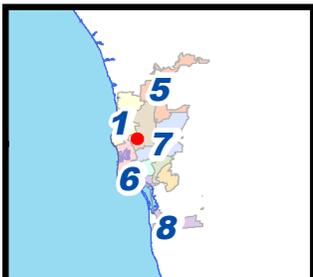
### KEY MAP 3

SENIOR ENGINEER  
SHEILA BOSE  
(619) 533-4698

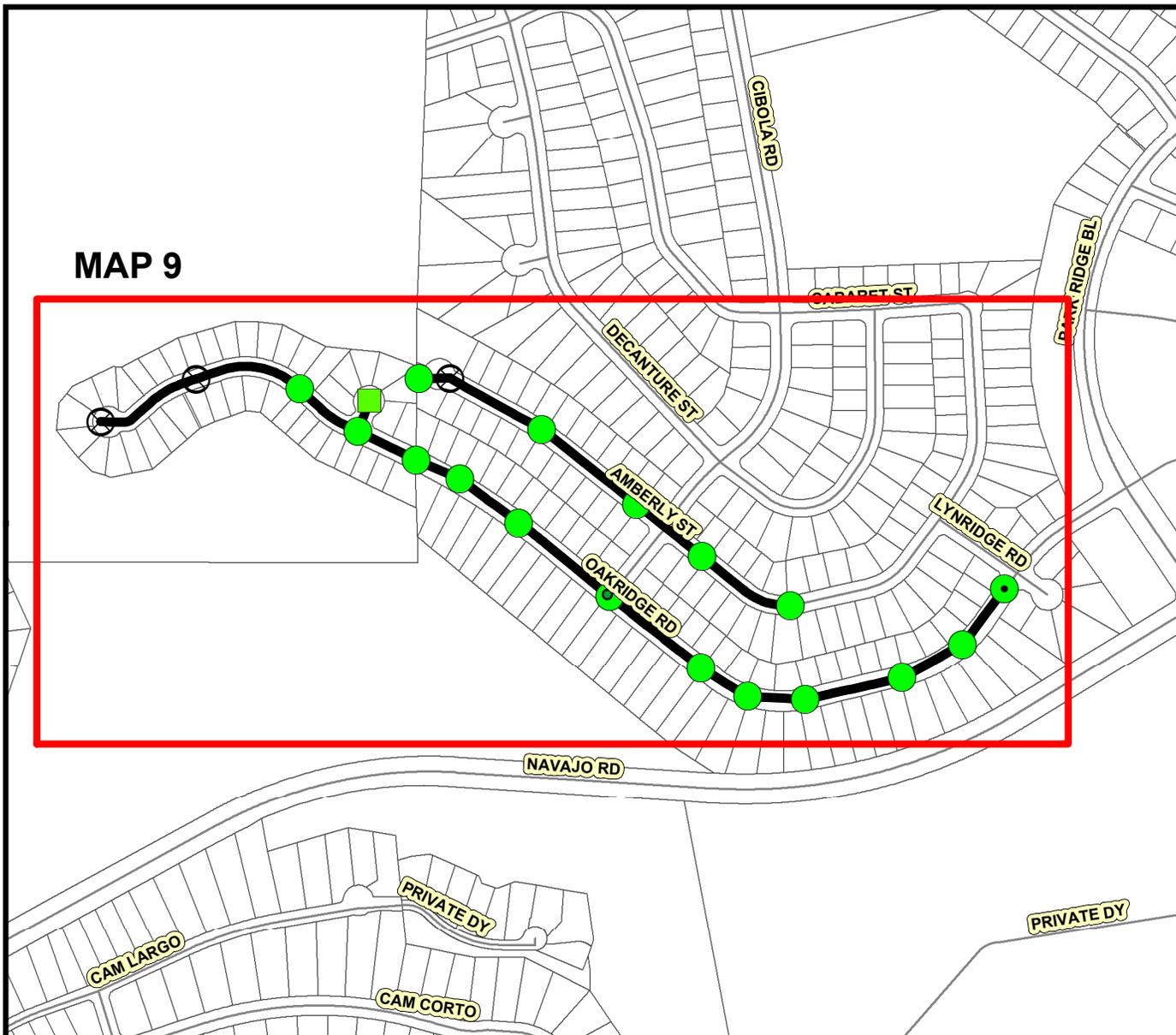
PROJECT MANAGER  
JONARD TALAMAYAN  
(619) 533-4116

PROJECT ENGINEER  
ELIZABETH DUNN  
(619) 533-7461

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



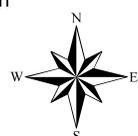
### MAP 9



### Legend

- External lateral point repair
- External point repair
- Internal point repair
- Intruding lateral point repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation

ADDENDUM B



COMMUNITY NAME: Navajo

COUNCIL DISTRICT: 7

WBS NO: B19201

Date: July 22, 2020

March 4, 2021 Pipeline Rehabilitation BB-1

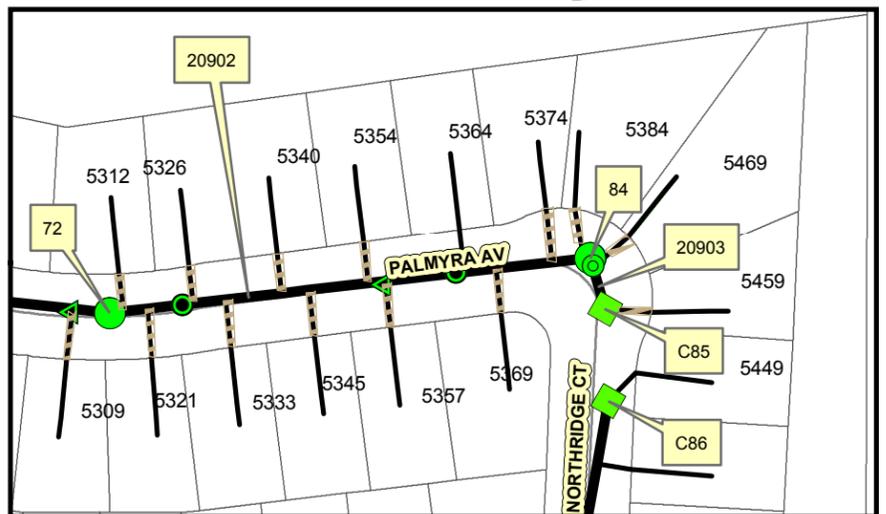
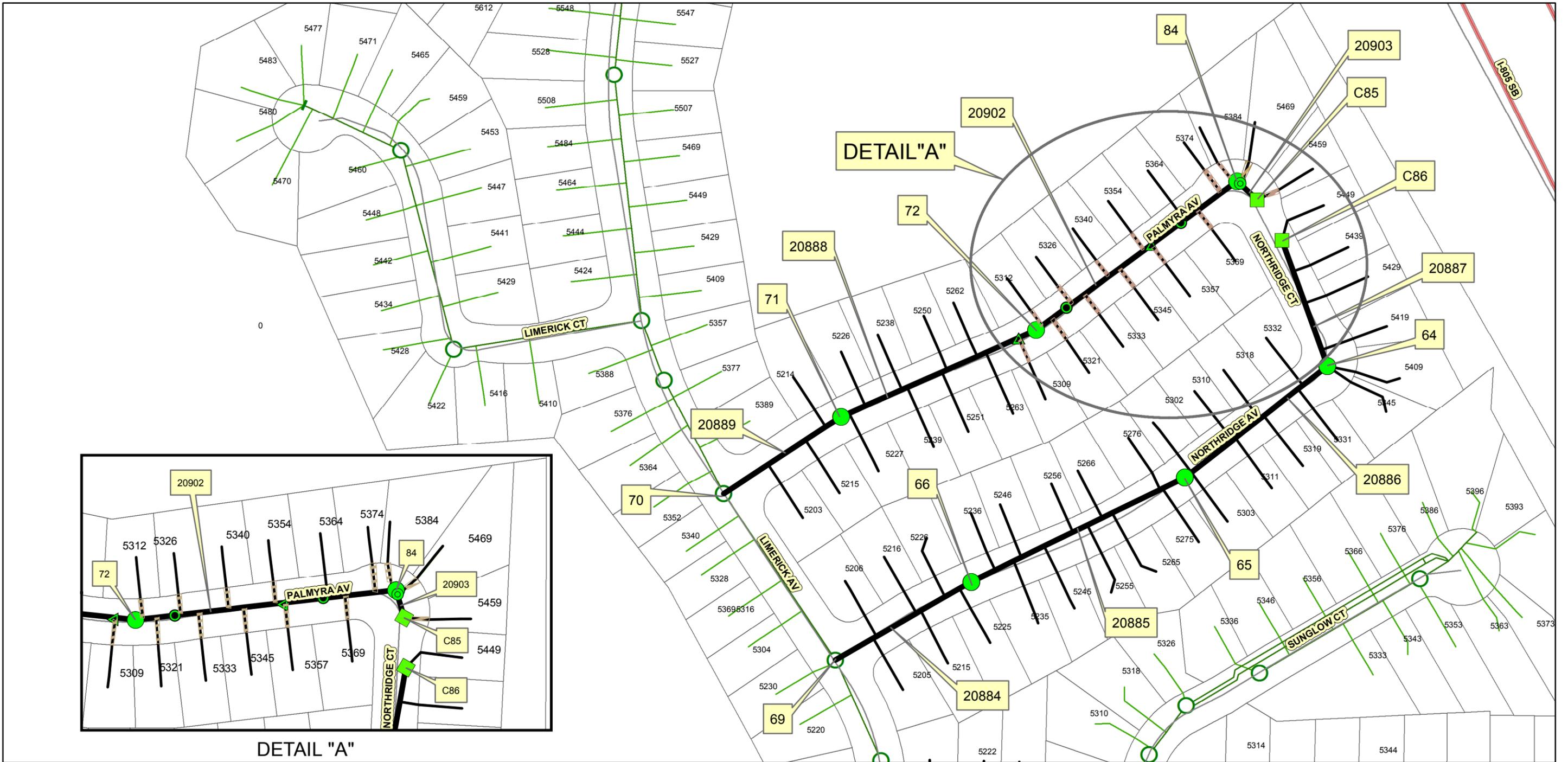
ADDENDUM B



Page 12 of 29

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SEE MAP 2

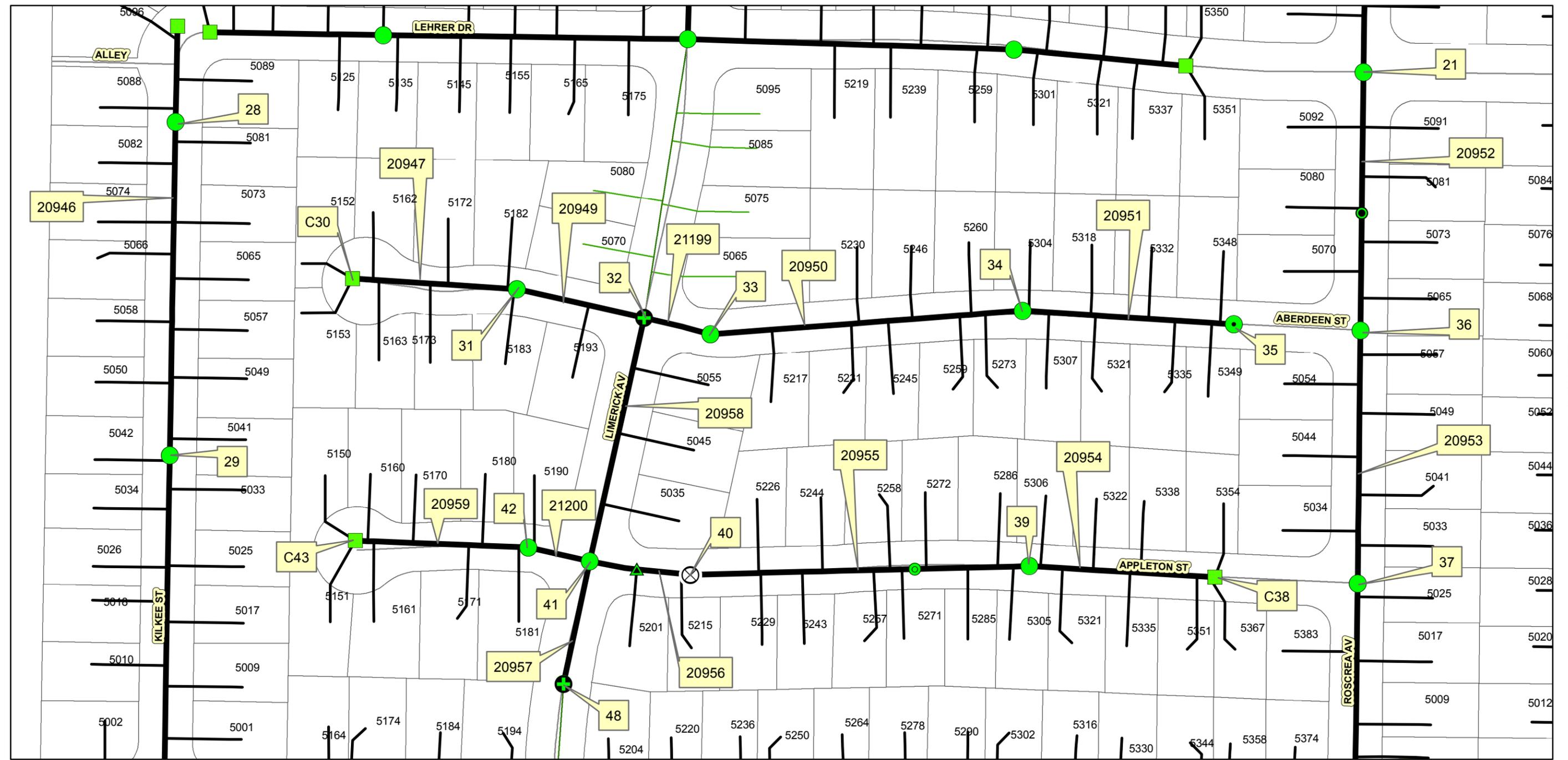
<b>Legend</b>		C123 CLEANOUT ID NUMBER 123 MANHOLE ID NUMBER 12345 FSN (Facility Sequence Number)		<b>PIPELINE REHABILITATION BB-1</b> The City of <b>SAN DIEGO</b> Public Utilities
External Lateral Point Repair External Point Repair Internal Point Repair Intruding Lateral Point Repair Proposed Cleanouts Proposed MH Rehab Proposed MH New	Proposed MH Rehabilitation w/Point Repair Proposed MH Replacement Proposed Lateral Rehabilitation Proposed Pipeline Rehabilitation Existing Mains Existing Laterals Existing Manholes	Existing Concrete Pipeline Encasement (Main or Lateral)	NOT TO SCALE <b>WBS# B-19201</b> <b>MAP NO. 1 of 9</b> Page 13 of 29	

ADDENDUM B

March 4, 2021 Pipeline Rehabilitation BB-1



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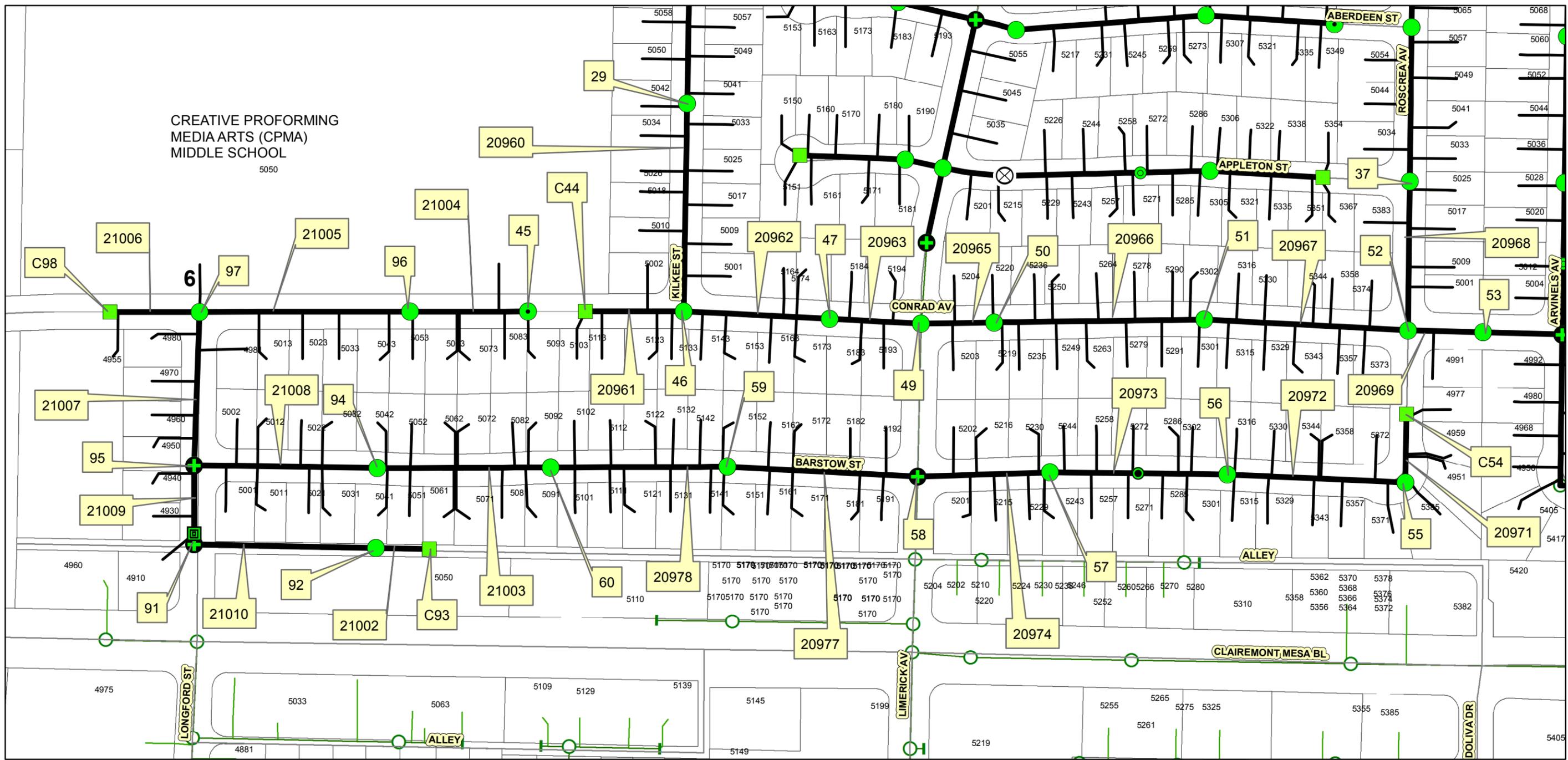
SEE MAP 5

<b>Legend</b>		<div style="border: 1px solid red; padding: 2px; display: inline-block;">External point repair</div>			
▲ External Lateral Point Repair	⊕ Proposed MH Rehabilitation w/Point Repair	C123	CLEANOUT ID NUMBER	<b>PIPELINE REHABILITATION BB-1</b> The City of <b>SAN DIEGO</b> Public Utilities	
● External Point Repair	⊗ Proposed MH Replacement	123	MANHOLE ID NUMBER		
● Internal Point Repair	— Proposed Lateral Rehabilitation	12345	FSN (Facility Sequence Number)		
■ Intruding Lateral Point Repair	— Proposed Pipeline Rehabilitation			WBS# <b>B-19201</b>	
■ Proposed Cleanouts	— Existing Mains				
● Proposed MH New	— Existing Laterals				
● Proposed MH Rehabilitation	○ Existing Manholes				
March 4, 2021 Pipeline Rehabilitation BB-1		ADDENDUM B		MAP NO. <b>3 of 9</b> Page 15 of 29	

NOT TO SCALE

**WBS#**  
**B-19201**

**MAP NO.**  
**3 of 9**  
 Page 15 of 29



CREATIVE PROFORMING  
MEDIA ARTS (CPMA)  
MIDDLE SCHOOL  
5050

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### Legend

- ▲ External Lateral Point Repair
- External Point Repair
- Internal Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- + Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Existing Mains
- Existing Laterals
- Existing Manholes

- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION BB-1

The City of **SAN DIEGO** Public Utilities

NOT TO SCALE

**WBS#**  
B-19201

**MAP NO.**  
4 of 9

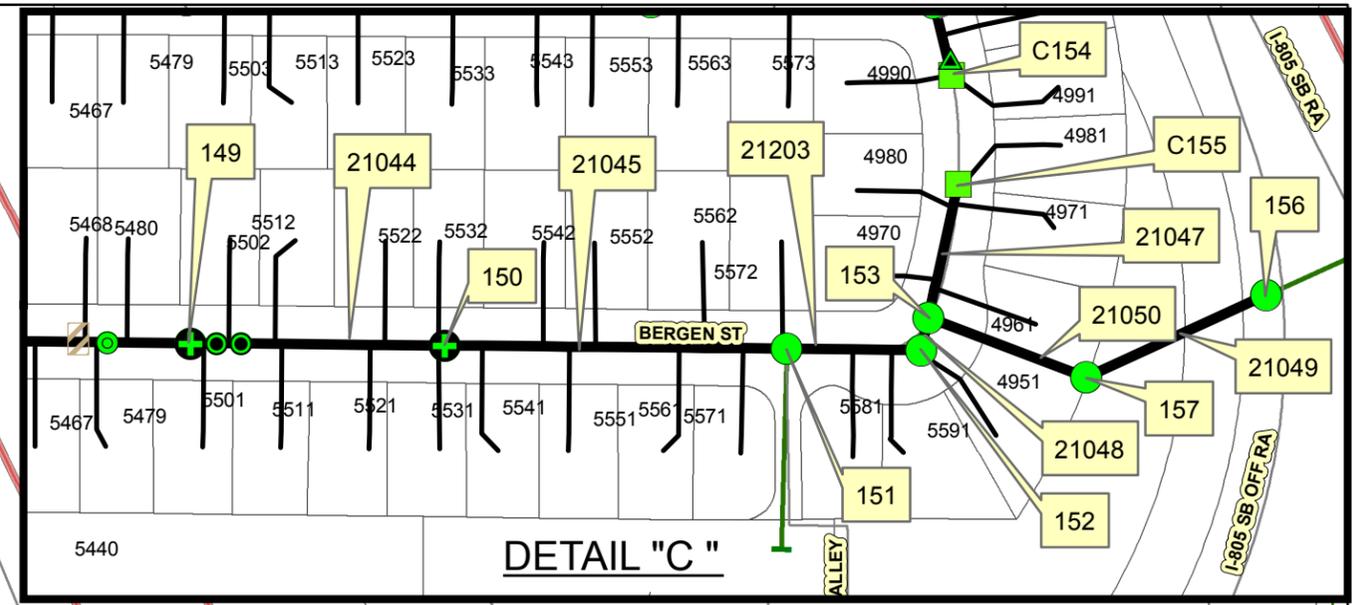
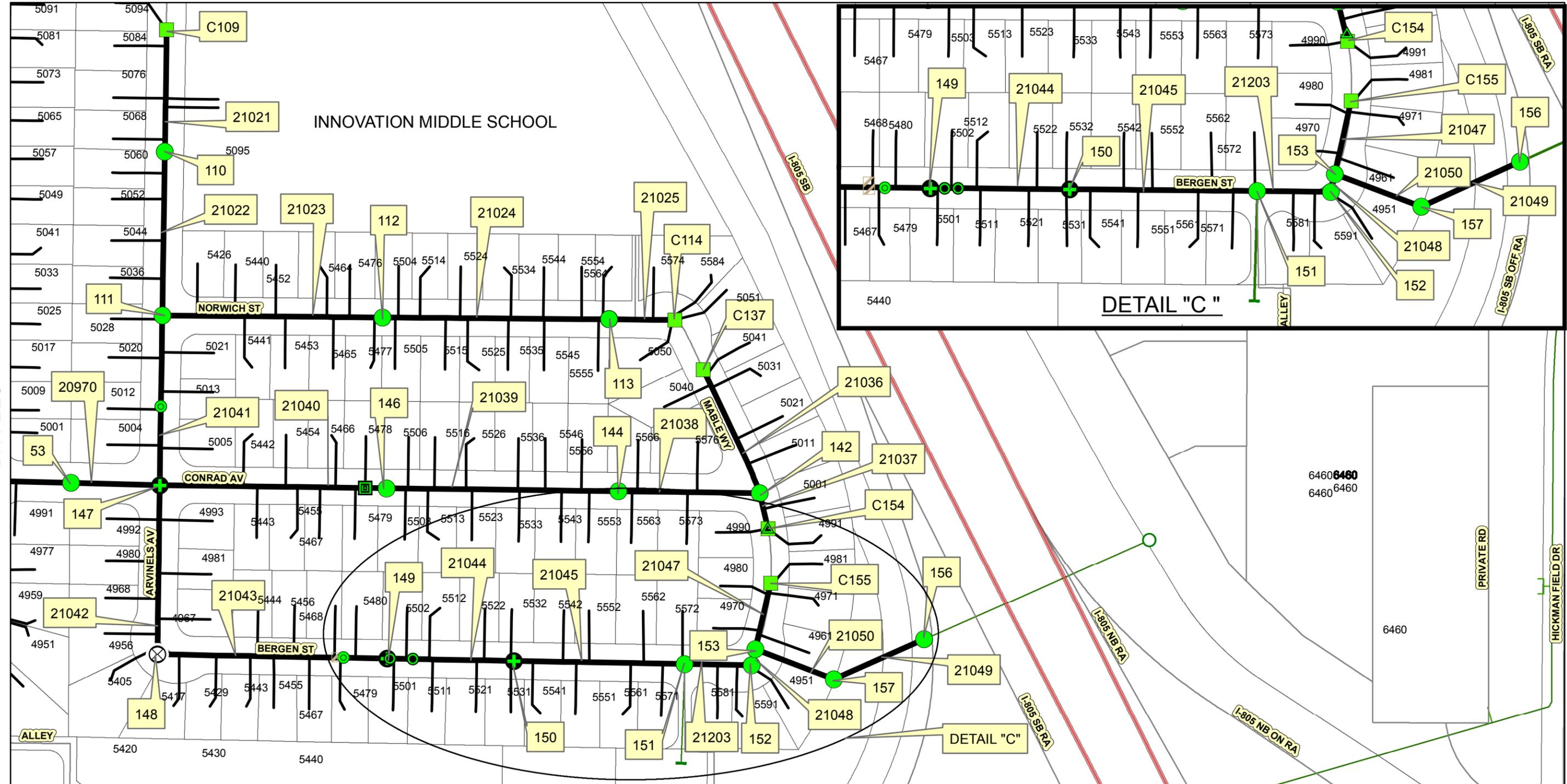
Page 16 of 29

ADDENDUM B

SEE MAP 2

SEE MAP 3

SEE MAP 4



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### Legend

External Lateral Point Repair	Proposed MH Rehabilitation w/Point Repair	C123 CLEANOUT ID NUMBER
External Point Repair	Proposed MH Replacement	123 MANHOLE ID NUMBER
Intruding Lateral Point Repair	Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)
Proposed Cleanouts	Proposed Pipeline Rehabilitation	Existing Concrete Pipeline Encasement (Main or Lateral)
Internal Point Repair	Mains	
Proposed MH New	Laterals	
Proposed MH Rehabilitation	Existing Manhole	

## PIPELINE REHABILITATION BB-1

The City of **SAN DIEGO** Public Utilities

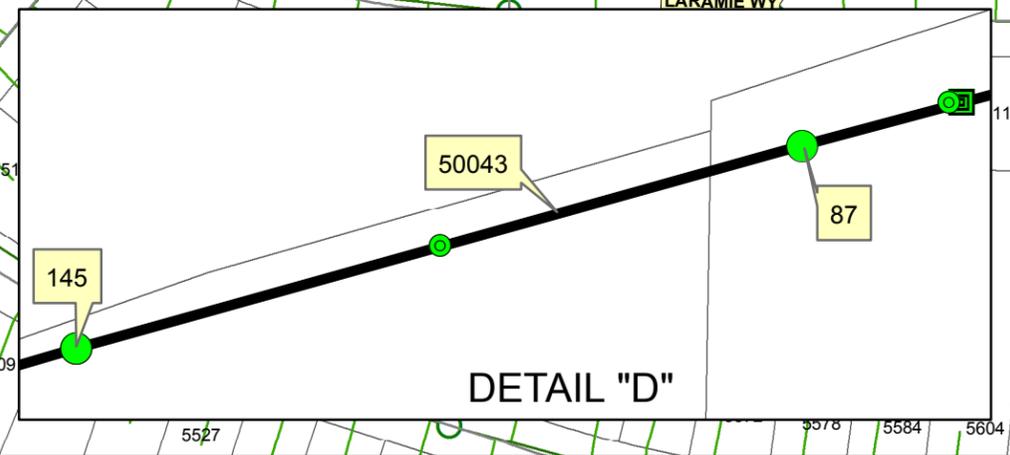
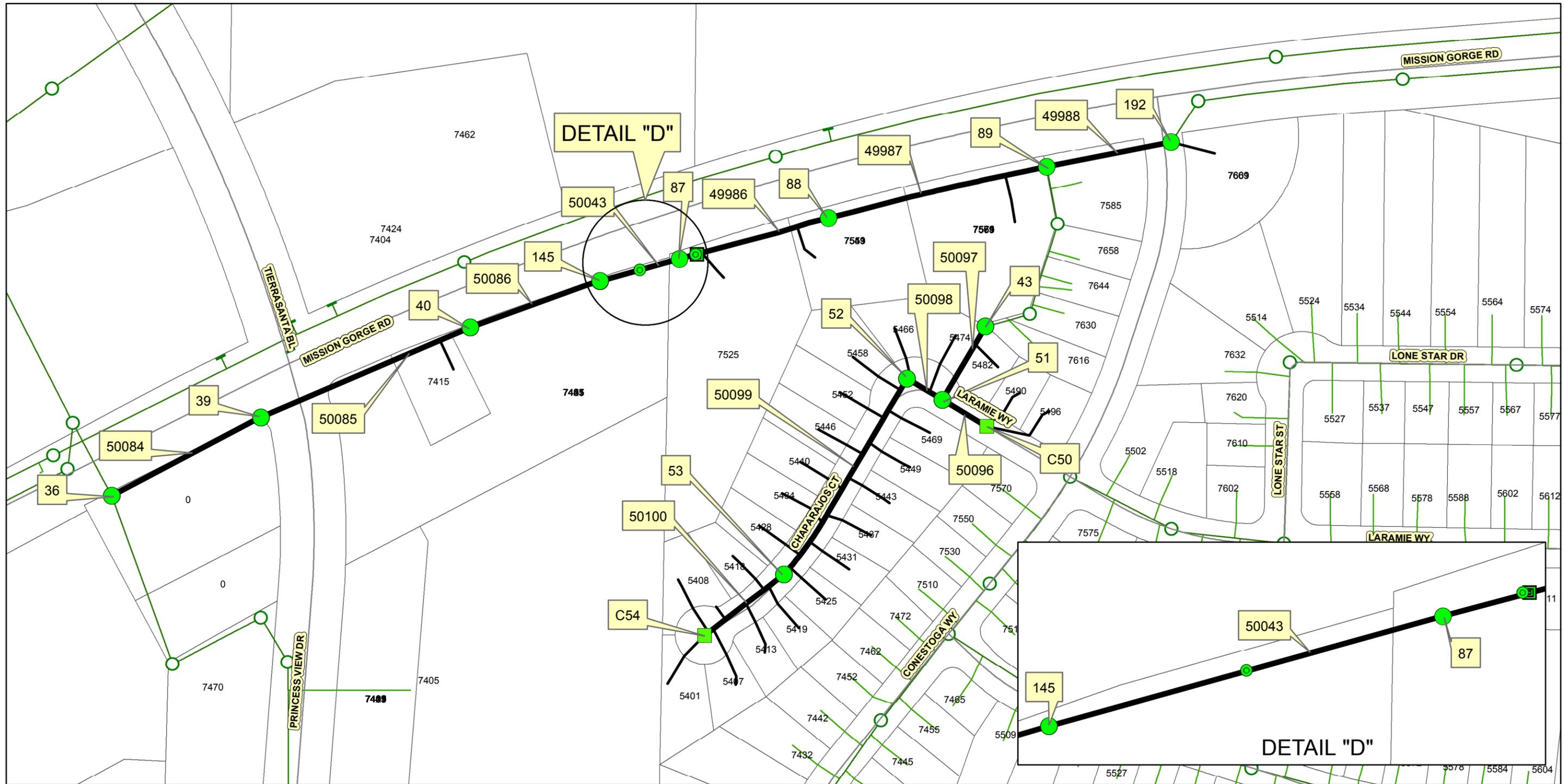
WBS# B-19201

MAP NO. 5 of 9

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ADDENDUM B

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**Legend**

- ▲ External Lateral Point Repair
- External Point Repair
- Internal Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ External point repair
- ⊗ Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Existing Mains
- Existing Laterals
- Existing Manholes

- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

**PIPELINE REHABILITATION BB-1**

The City of **SAN DIEGO** Public Utilities



WBS#  
B-19201

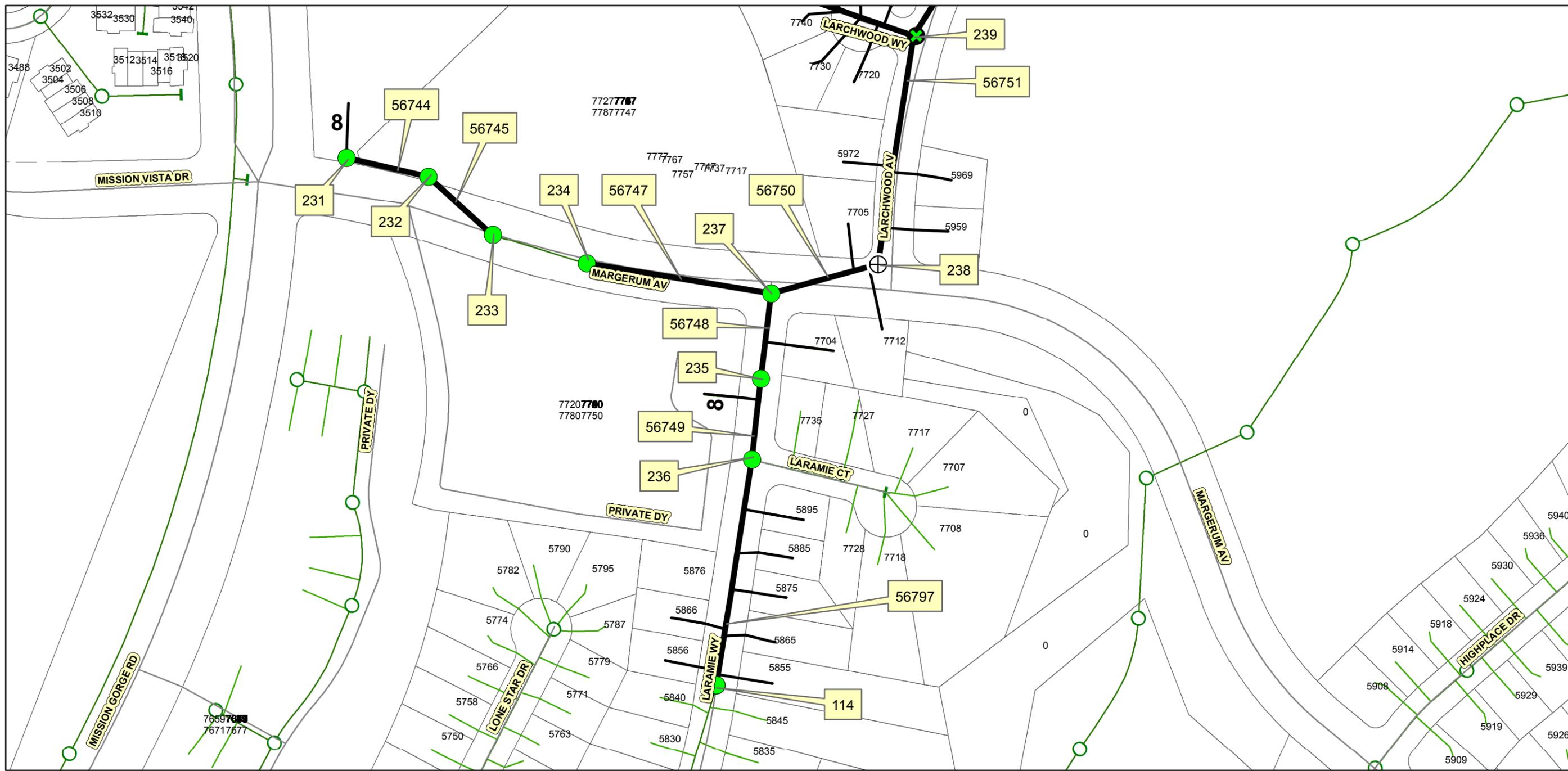
MAP NO.  
6 of 9

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ADDENDUM B

SEE MAP 7

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**Legend**

- ▲ External Lateral Point Repair
- External Point Repair
- Internal Point Repair
- Intruding Lateral Point Repair
- Proposed Cleanouts
- Proposed MH New
- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- Proposed Lateral Rehabilitation
- Proposed Pipeline Rehabilitation
- Existing Mains
- Existing Laterals
- Existing Manholes

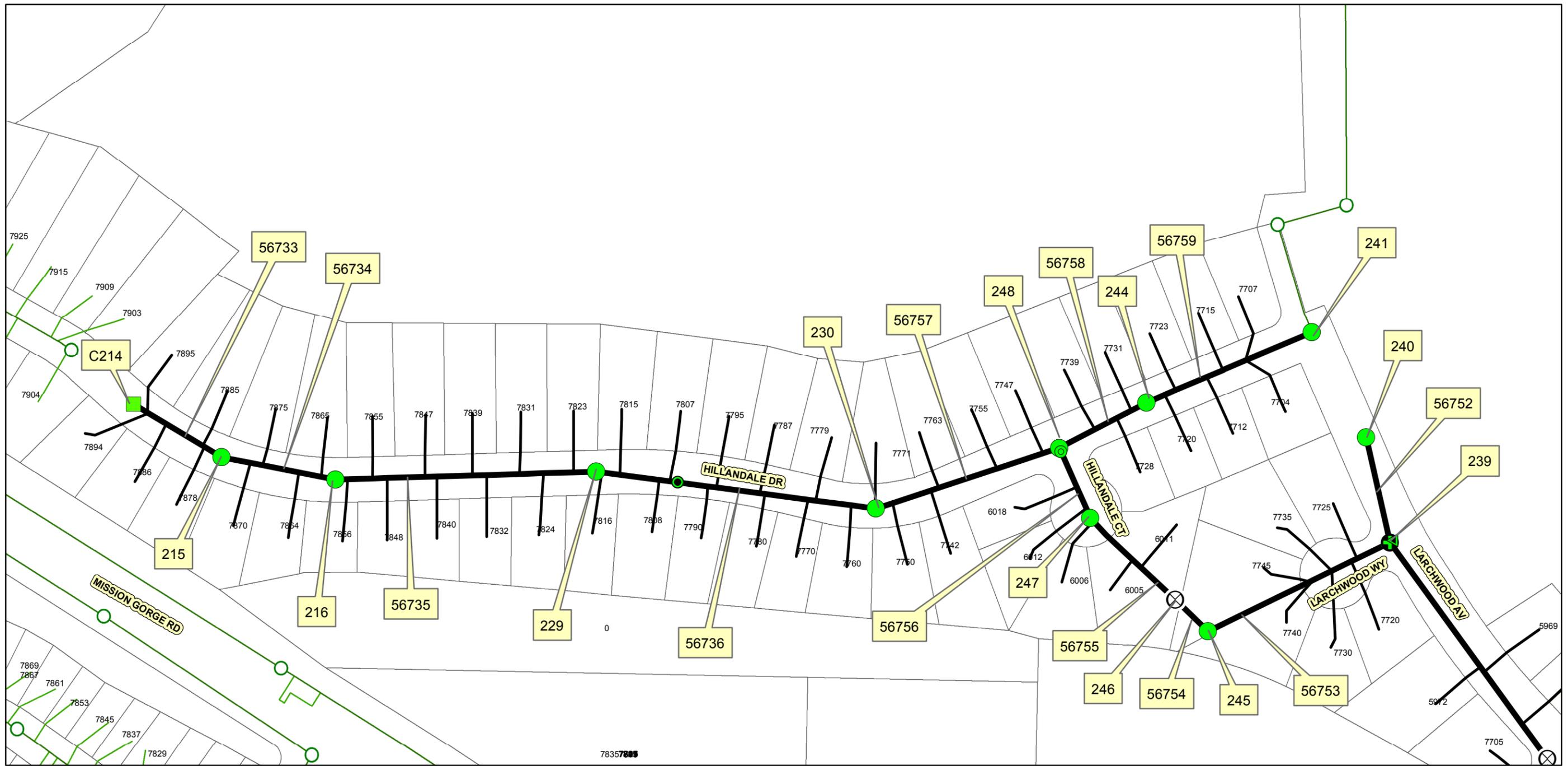
- C123 CLEANOUT ID NUMBER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

**PIPELINE REHABILITATION BB-1**

The City of **SAN DIEGO** Public Utilities

 NOT TO SCALE	<b>WBS#</b> B-19201	<b>MAP NO.</b> 7 of 9 Page 19 of 29
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SEE MAP 9

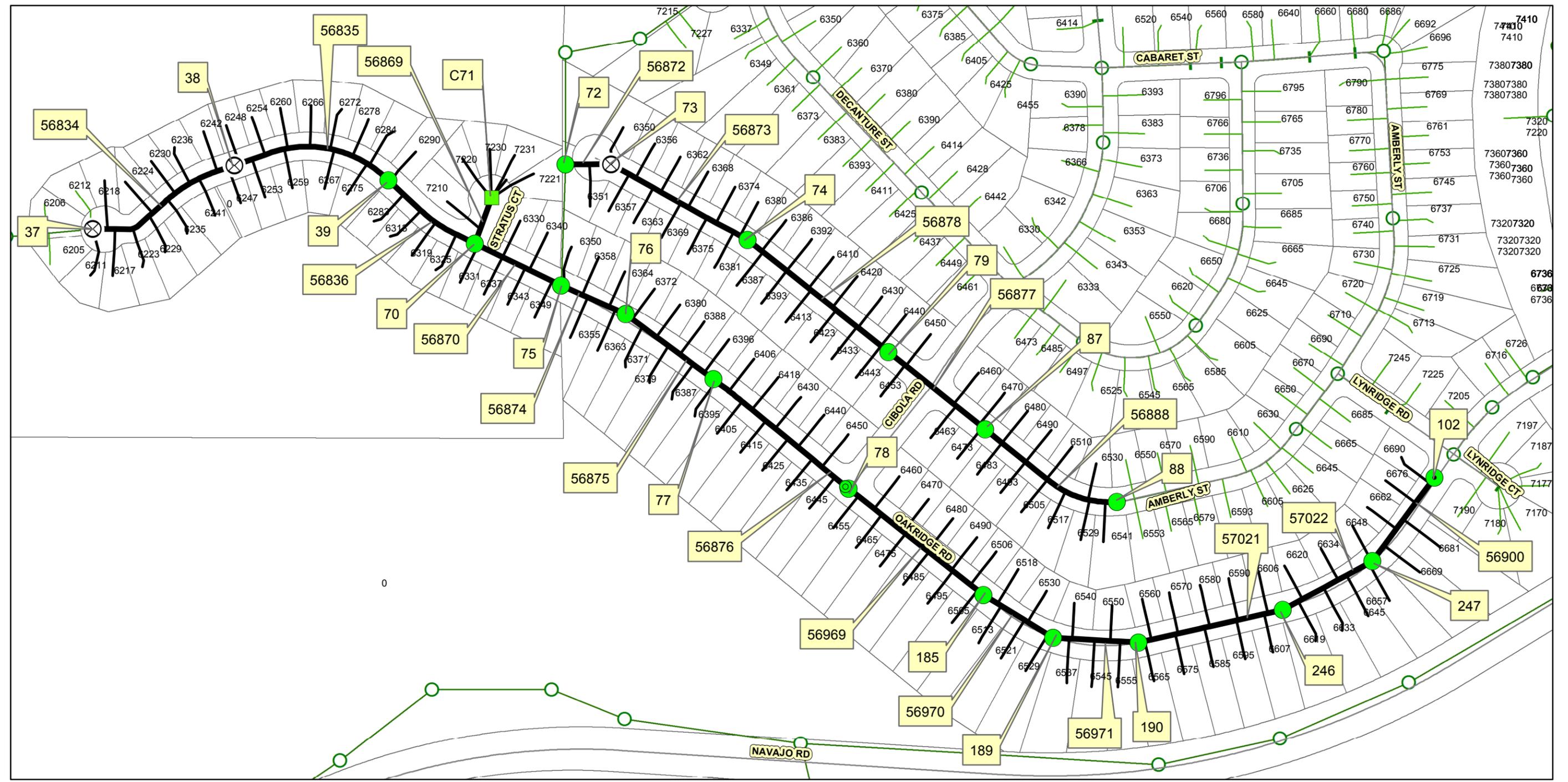
SEE MAP 7

<b>Legend</b>		<b>PIPELINE REHABILITATION BB-1</b>	
<ul style="list-style-type: none"> <li><span style="color: green;">▲</span> External Lateral Point Repair</li> <li><span style="color: green;">●</span> External Point Repair</li> <li><span style="color: green;">●</span> Internal Point Repair</li> <li><span style="color: green;">■</span> Intruding Lateral Point Repair</li> <li><span style="color: green;">■</span> Proposed Cleanouts</li> <li><span style="color: green;">●</span> Proposed MH New</li> <li><span style="color: green;">●</span> Proposed MH Rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">⊕</span> External point repair</li> <li><span style="color: green;">⊕</span> Proposed MH Rehabilitation w/Point Repair</li> <li><span style="color: green;">⊗</span> Proposed MH Replacement</li> <li><span style="color: black;">—</span> Proposed Lateral Rehabilitation</li> <li><span style="color: black;">—</span> Proposed Pipeline Rehabilitation</li> <li><span style="color: green;">—</span> Existing Mains</li> <li><span style="color: green;">—</span> Existing Laterals</li> <li><span style="color: green;">○</span> Existing Manholes</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">C123</span> CLEANOUT ID NUMBER</li> <li><span style="border: 1px solid black; padding: 2px;">123</span> MANHOLE ID NUMBER</li> <li><span style="border: 1px solid black; padding: 2px;">12345</span> FSN (Facility Sequence Number)</li> </ul>	<p>The City of <b>SAN DIEGO</b> Public Utilities</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">               NOT TO SCALE           </div> <div style="text-align: center;"> <b>WBS#</b>  <b>B-19201</b> </div> <div style="text-align: center;"> <b>MAP NO.</b>  <b>8 of 9</b>  <small>Page 20 of 29</small> </div> </div>

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SEE MAP 8

SEE MAP 7



**Legend**

▲ External Lateral Point Repair	⊕ Proposed MH Rehabilitation w/Point Repair	C123 CLEANOUT ID NUMBER
● External Point Repair	⊗ Proposed MH Replacement	123 MANHOLE ID NUMBER
● Internal Point Repair	— Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)
■ Intruding Lateral Point Repair	— Proposed Pipeline Rehabilitation	
■ Proposed Cleanouts	— Existing Mains	
● Proposed MH New	— Existing Laterals	
● Proposed MH Rehabilitation	○ Existing Manholes	

ADDENDUM B

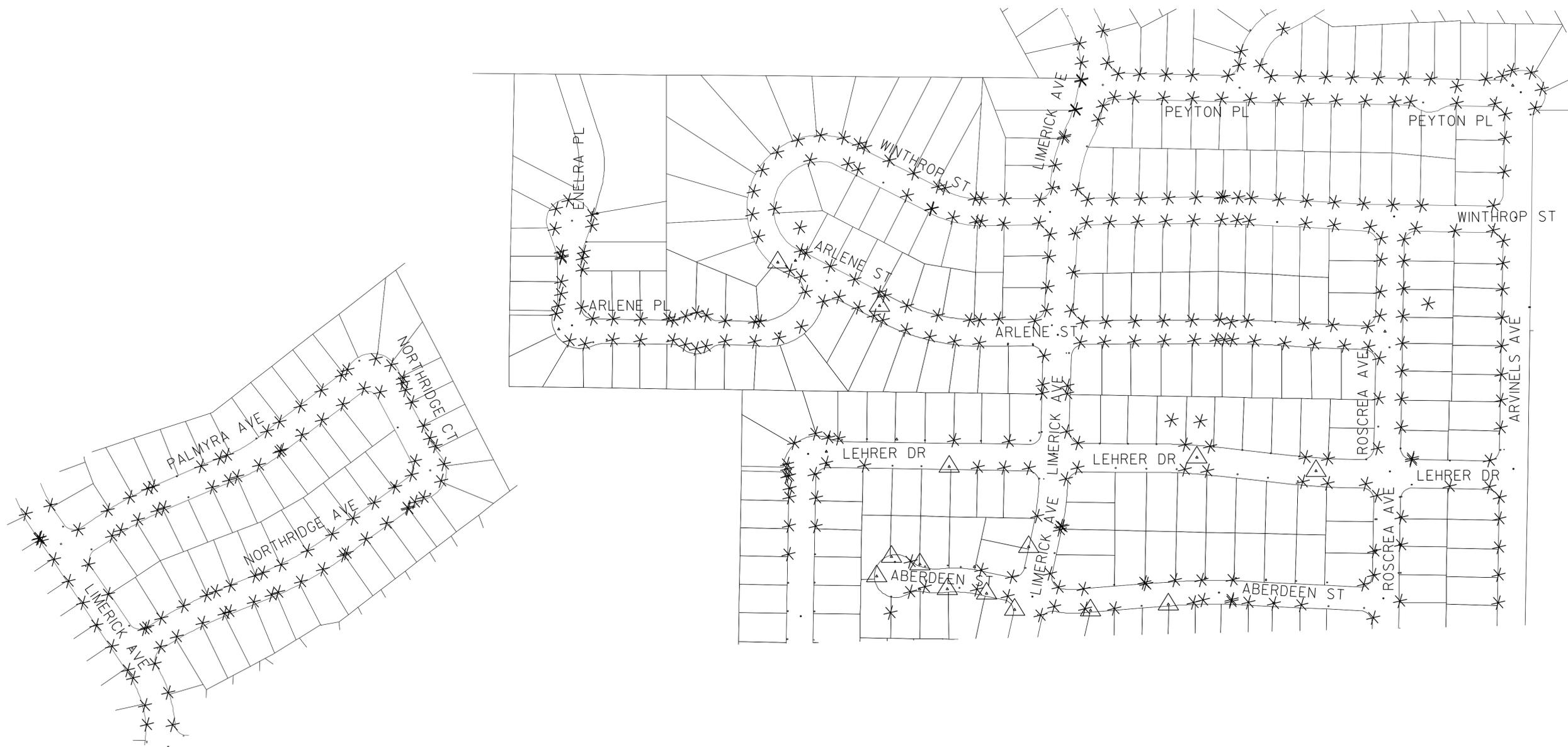
**PIPELINE REHABILITATION BB-1**

The City of **SAN DIEGO** Public Utilities

WBS# B-19201

MAP NO. 9 of 9

Page 21 of 29



MONUMENTATION / SURVEY NOTES

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THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS, WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND

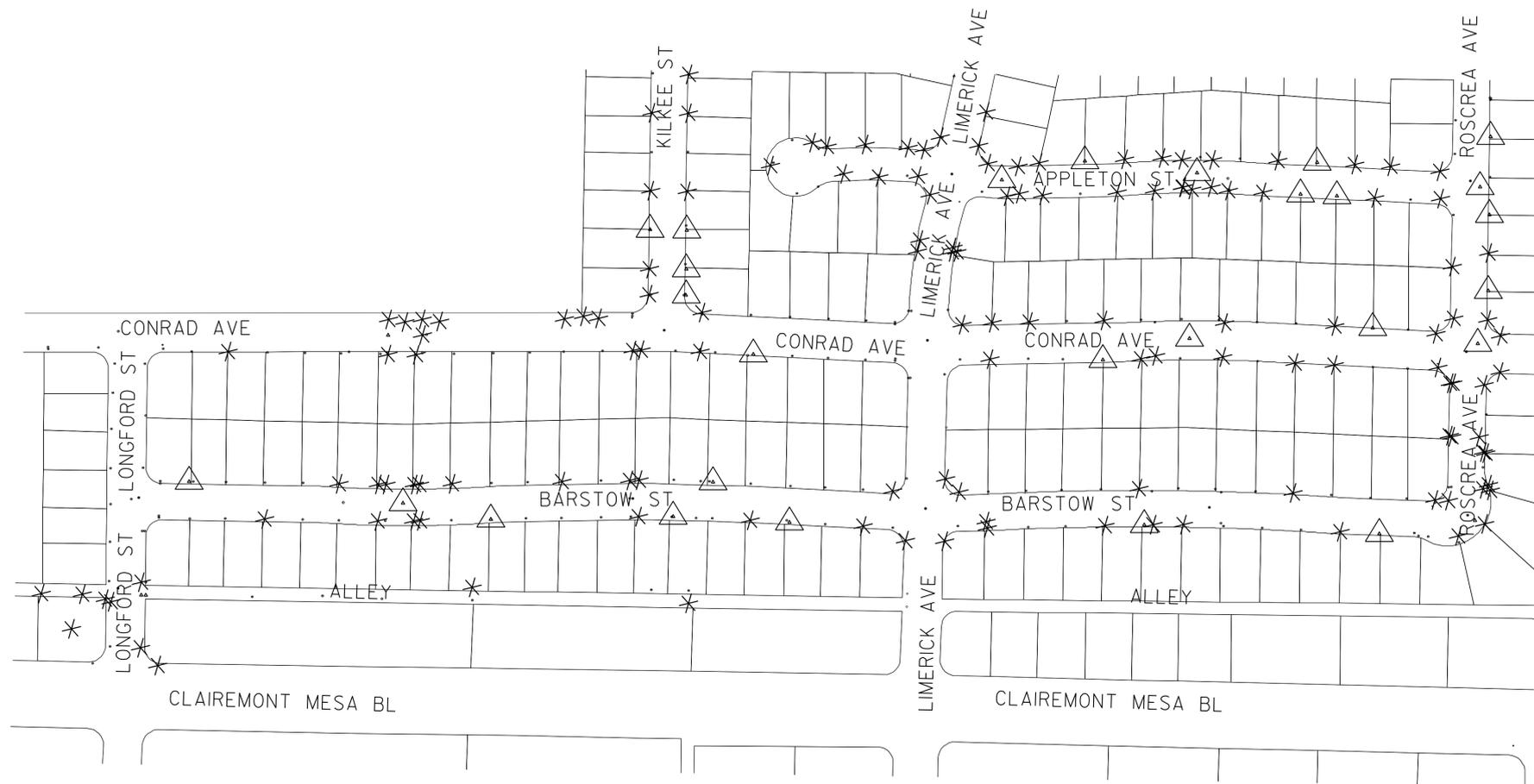
-  LOCATION OF EXISTING SURVEY MONUMENT
-  LOCATION OF EXISTING M-IOA
-  LOCATION OF SURVEY BENCH MARK
-  LOCATION OF FOUND GPS POINT
-  LOCATION OF FOUND EVIDENCE OF MONUMENT
-  MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



WBS #  
B-19201

SEE MAP  
SHEET 1 OF 5



MONUMENTATION / SURVEY NOTES

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LEGEND

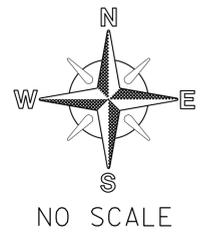
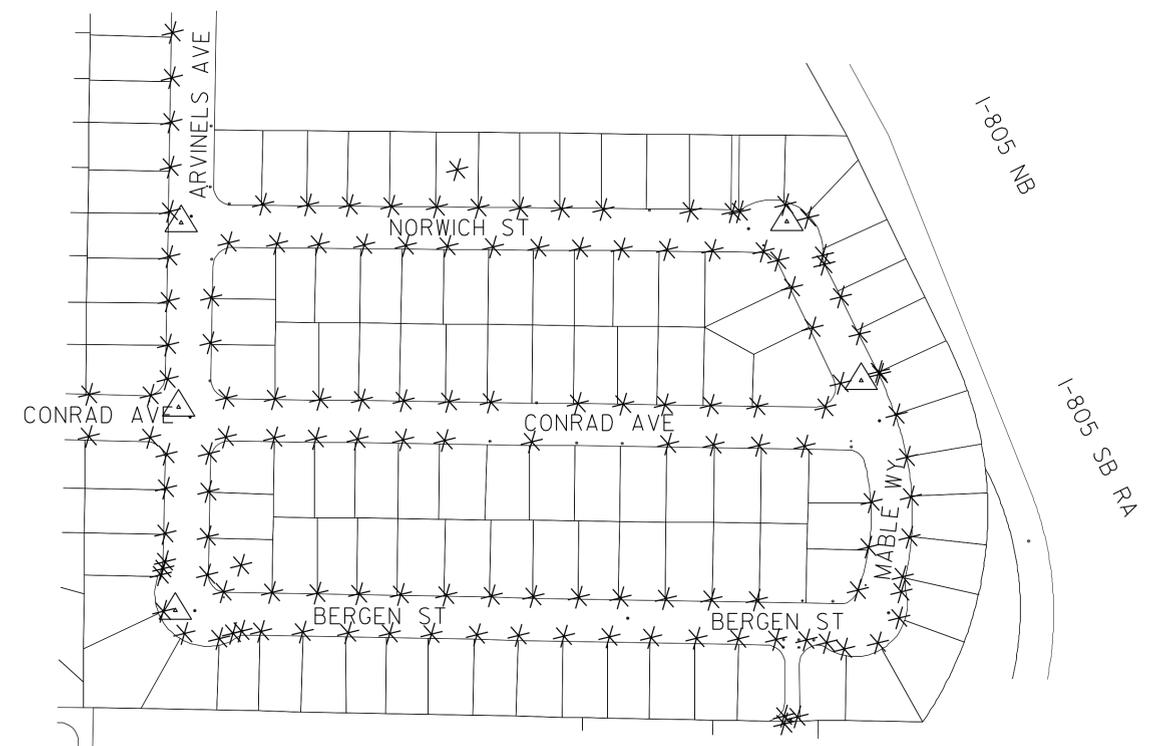
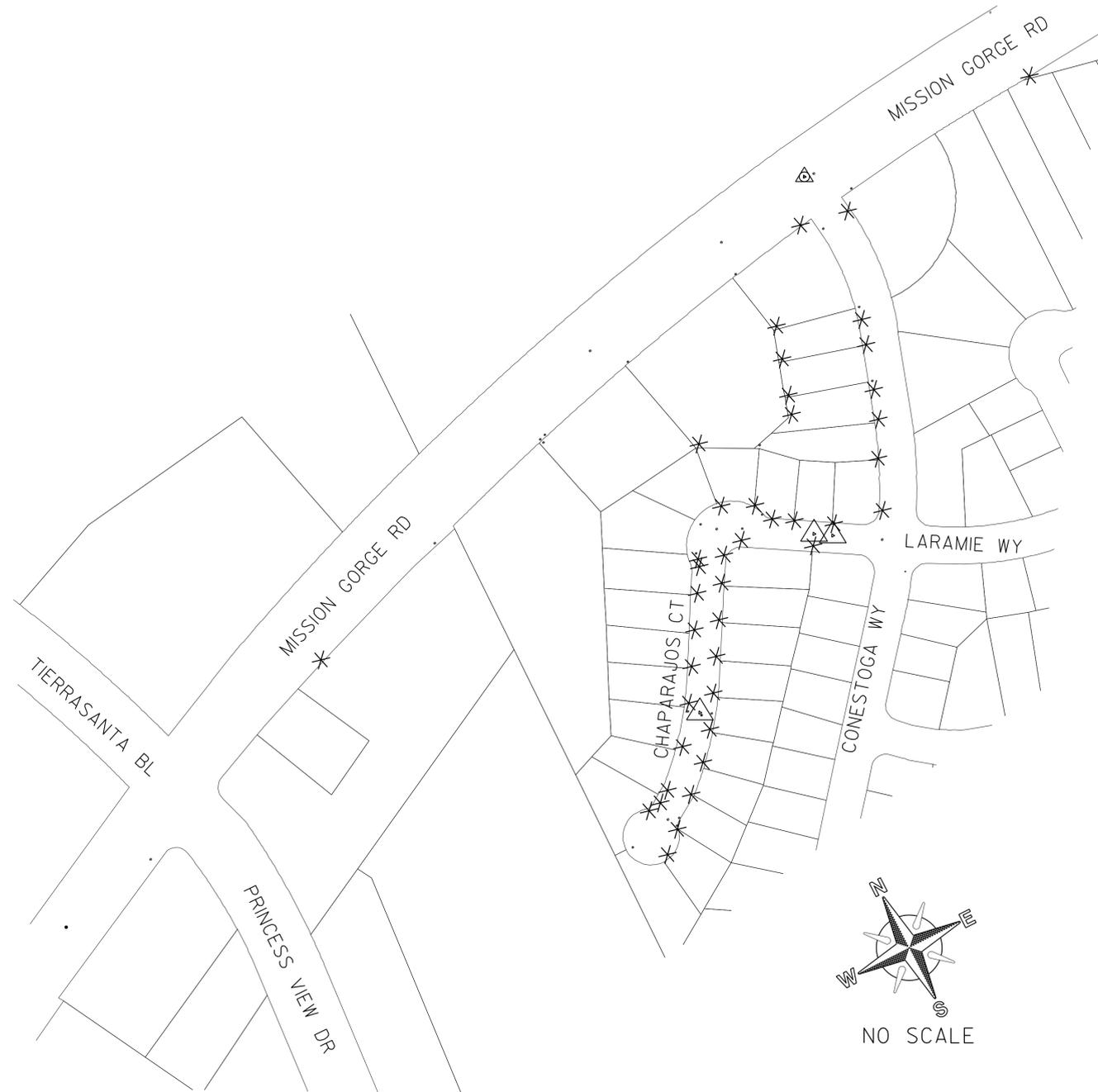
- LOCATION OF EXISTING SURVEY MONUMENT
- LOCATION OF EXISTING M-IOA
- LOCATION OF SURVEY BENCH MARK
- LOCATION OF FOUND GPS POINT
- LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



WBS #  
B-19201

SEE MAP  
SHEET 2 OF 5



MONUMENTATION / SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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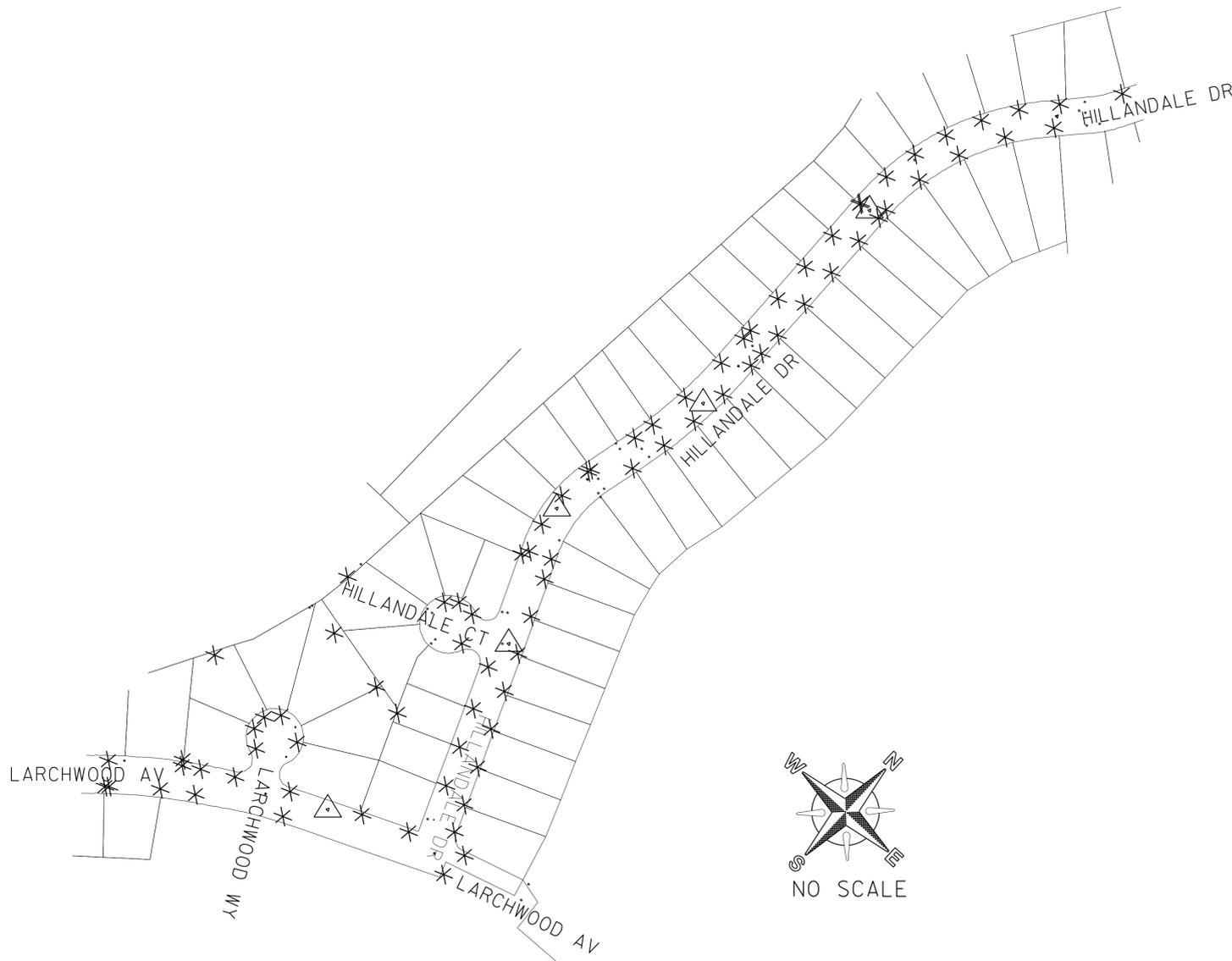
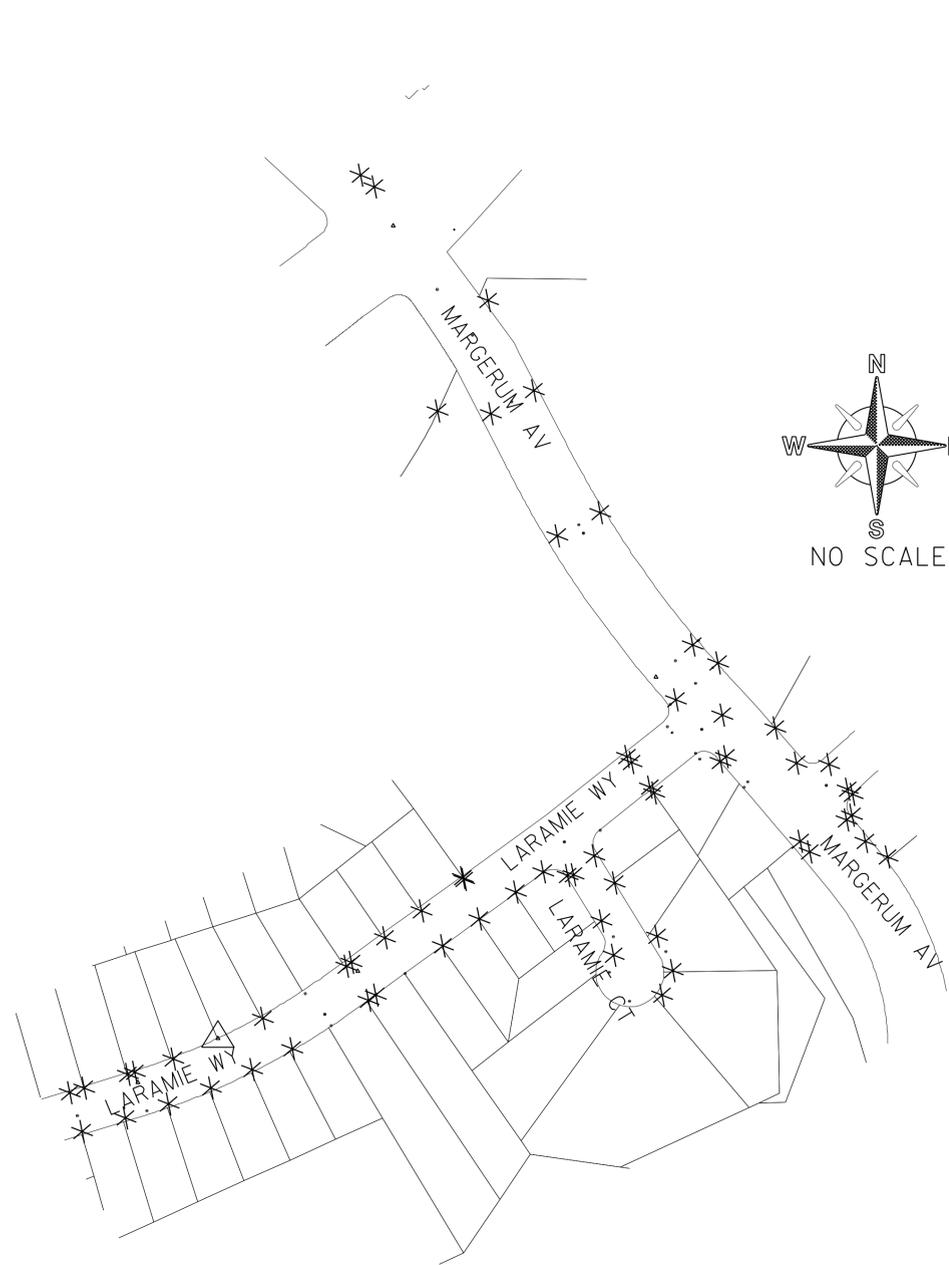
LEGEND

- LOCATION OF EXISTING SURVEY MONUMENT
- LOCATION OF EXISTING M-IOA
- LOCATION OF SURVEY BENCH MARK
- LOCATION OF FOUND GPS POINT
- LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION

WBS #  
B-19201

SEE MAP  
SHEET 3 OF 5



MONUMENTATION / SURVEY NOTES

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LEGEND	
	LOCATION OF EXISTING SURVEY MONUMENT
	LOCATION OF EXISTING M-IOA
	LOCATION OF SURVEY BENCH MARK
	LOCATION OF FOUND GPS POINT
	LOCATION OF FOUND EVIDENCE OF MONUMENT
	MAP NUMBER

PIPELINE REHABILITATION BB-1 MONUMENT PERPETUATION	
WBS # B-19201	SEE MAP SHEET 4 OF 5



MONUMENTATION / SURVEY NOTES

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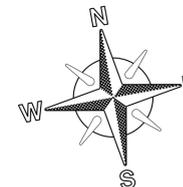
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- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

PIPELINE REHABILITATION BB-1  
MONUMENT PERPETUATION



NO SCALE

WBS #  
B-19201

SEE MAP  
SHEET 5 OF 5

PIPELINE REHABILITATION BB-1

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (feet)	US FIELD BOOK	US MH ID	US MH #	US MH DEPTH	OS FIELD BOOK	OS MH ID	OS MH #	OS MH DEPTH	THOMAS BBO	INSTALL DATE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT
1	20884	8	VC	66	6	F105	66	365.77	8	F105	66	364.99	8	122807	1/1/1959	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	E
1	20885	8	VC	259	10	F105	65	366.97	9	F105	66	365.77	8	122807	1/1/1961	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	E
1	20886	8	VC	255	6	F105	64	367.89	8	F105	65	369.21	9	122807	1/1/1962	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	E
1	20887	8	VC	255	6	F105	65	367.89	8	F105	64	369.21	9	122807	1/1/1962	REHAB	NORTHBIDGE AV	CLAIREMONT MESA	E
1	20888	8	VC	271	9	F105	72	367.31	5	F105	71	366.5	7	122807	1/1/1962	POINT REPAIR REHAB	PALMIRA AV	CLAIREMONT MESA	E
1	20889	8	VC	170	3	F105	71	366.5	6	F105	70	366.5	6	122807	1/1/1962	REHAB	PALMIRA AV	CLAIREMONT MESA	E
1	20902	8	VC	320	12	F105	84	368.27	5	F105	82	367.31	5	122807	1/1/1962	POINT REPAIR REHAB	PALMIRA AV	CLAIREMONT MESA	E
1	20903	8	VC	320	12	F105	85	368.29	5	F105	84	368.27	5	122806	1/1/1962	POINT REPAIR REHAB	NORTHBIDGE AV	CLAIREMONT MESA	E
2	20893	8	VC	231	6	F105	23	367.77	8	F105	22	367.77	8	122807	1/1/1959	REHAB	PEYTON ST	CLAIREMONT MESA	E
2	20894	8	VC	145	5	F105	109	369.15	6	F105	22	367.77	8	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	E
2	20895	8	VC	100	4	F105	48	368.09	4	F105	47	368.09	4	122807	1/1/1958	REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20898	8	VC	300	11	F105	52	364.95	3	F105	51	364.95	7	122807	1/1/1958	POINT REPAIR REHAB	WINTHROP ST	CLAIREMONT MESA	E
2	20899	10	VC	228	4	F105	52	364.95	6	F105	52	363.37	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	E
2	20890	10	VC	360	53	F105	53	363.64	7	F105	52	363.37	8	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	E
2	20871	8	VC	347	8	F105	54	366.5	7	F105	52	363.37	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	E
2	20872	8	VC	343	11	F105	55	368.55	8	F105	54	366.5	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	E
2	20873	8	VC	130	2	F105	56	369.34	11	F105	55	366.5	8	122807	1/1/1958	REHAB	WINTHROP ST	CLAIREMONT MESA	E
2	20874	8	VC	350	11	F105	57	367.03	7	F105	58	365.6	6	122807	1/1/1958	REHAB	PEYTON PL	CLAIREMONT MESA	E
2	20880	8	VC	260	8	F105	58	365.6	8	F105	58	365.6	8	122807	1/1/1958	POINT REPAIR REHAB	REYNOLDS	CLAIREMONT MESA	E
2	20881	10	VC	186	3	F105	68	364.3	7	F105	53	363.64	7	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	E
2	20925	8	VC	250	9	F105	46	368.23	6	F115	6	367.23	5	122807	1/1/1960	POINT REPAIR REHAB	ENELSA PL	CLAIREMONT MESA	E
2	20926	8	VC	204	7	F115	6	367.23	5	F115	7	368.43	7	122807	1/1/1960	REHAB	ARLEN PL	CLAIREMONT MESA	E
2	20927	8	VC	198	7	F115	7	366.43	7	F115	8	365.21	7	122807	1/1/1958	REHAB	ARLEN PL	CLAIREMONT MESA	E
2	20928	8	VC	122	2	F115	8	365.21	7	F115	9	364.99	7	122807	1/1/1958	REHAB	ARLEN PL	CLAIREMONT MESA	E
2	20929	8	VC	58	0	F115	9	364.99	7	F115	10	364.14	6	122807	1/1/1958	REHAB	ARLEN PL	CLAIREMONT MESA	E
2	20930	10	VC	140	3	F105	47	364.54	6	F115	10	364.14	6	122807	1/1/1958	REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20931	10	VC	280	10	F115	10	364.54	6	F115	11	362.8	10	122807	1/1/1958	REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20932	10	VC	232	6	F115	11	363.1	10	F115	12	362.8	10	122807	1/1/1958	POINT REPAIR REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20933	10	VC	236	3	F105	52	363.37	4	F115	12	362.8	10	122807	1/1/1958	POINT REPAIR REHAB	LIMEBICK AV	CLAIREMONT MESA	E
2	20934	8	VC	158	0	F115	13	368.18	12	F115	12	362.8	10	122807	1/1/1958	REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20935	8	VC	150	1	F115	18	369.3	7	F115	13	368.18	12	122807	1/1/1958	REHAB	ARLEN ST	CLAIREMONT MESA	E
2	20936	8	VC	130	2	F115	15	368.18	7	F115	15	368.18	6	122807	1/1/1958	POINT REPAIR REHAB	ROSCREA AV	CLAIREMONT MESA	E
2	20937	8	VC	85	3	F115	18	369.3	7	F115	18	369.3	6	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
2	20938	8	VC	130	3	F115	19	372.03	7	F115	18	369.3	7	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
2	20939	8	VC	155	20	F115	20	371.44	6	F115	21	369.3	7	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
2	20940	8	VC	180	22	F115	22	371.76	6	F115	23	372.68	6	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	E
2	20941	8	VC	140	8	F115	23	372.68	6	F115	24	363.89	14	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	E
2	20942	8	VC	248	10	F115	24	362.8	10	F115	24	362.8	10	122807	1/1/1958	POINT REPAIR REHAB	LIMEBICK AV	CLAIREMONT MESA	E
2	20943	8	VC	315	9	F115	25	372.62	8	F115	24	363.89	14	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	E
2	20944	8	VC	140	2	F115	26	369.3	7	F115	25	369.3	7	122807	1/1/1958	REHAB	LEHER DR	CLAIREMONT MESA	E
2	20945	8	VC	100	3	F115	25	374.12	14	F115	25	373.52	7	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	E
2	21039	8	VC	106	6	F115	106	370.55	6	F115	105	369.15	7	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	E
2	21040	8	VC	25	108	F115	108	370.68	6	F115	108	370.68	6	122807	1/1/1959	REHAB	ARVINELLS AV	CLAIREMONT MESA	E
3	20946	8	VC	350	11	F115	28	373.52	29	F115	28	373.52	29	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	E
3	20947	8	VC	165	8	F115	30	372.82	5	F115	31	371.17	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	E
3	20948	8	VC	135	3	F115	31	372.82	5	F115	32	365.65	14	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	E
3	20950	8	VC	300	8	F115	34	371.48	6	F115	33	369.63	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	E
3	20951	8	VC	230	8	F115	33	371.48	6	F115	34	369.63	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	E
3	20952	8	VC	265	21	F115	21	372.83	36	F115	35	371.25	9	122807	1/1/1958	POINT REPAIR REHAB	ROSCREA AV	CLAIREMONT MESA	E
3	20953	8	VC	263	7	F115	36	371.25	9	F115	37	369.67	8	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
3	20954	8	VC	198	8	F115	39	371.83	10	F115	38	370.55	10	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	E
3	20955	8	VC	150	11	F115	39	370.55	6	F115	40	368.45	6	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	E
3	20956	8	VC	102	2	F115	40	368.45	6	F115	41	366.18	14	122807	1/1/1958	POINT REPAIR REHAB	APPLETON ST	CLAIREMONT MESA	E
3	20957	8	VC	205	1	F115	42	366.18	14	F115	42	366.18	13	122807	1/1/1958	REHAB	LIMEBICK AV	CLAIREMONT MESA	E
3	20958	10	VC	155	12	F115	43	366.95	14	F115	41	366.18	14	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	E
3	20959	8	VC	130	8	F115	43	370.55	6	F115	43	369.63	6	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	E
3	21139	8	VC	80	0	F115	43	369.63	6	F115	42	369.63	6	122807	1/1/1958	REHAB	ABERDEEN ST	CLAIREMONT MESA	E
3	21200	8	VC	60	1	F115	42	366.75	6	F115	41	366.18	14	122807	1/1/1958	REHAB	APPLETON ST	CLAIREMONT MESA	E
4	20960	8	VC	350	10	F115	29	371.42	10	F115	46	369.3	6	122807	1/1/1958	REHAB	KLEVE ST	CLAIREMONT MESA	E
4	20961	8	VC	164	5	F115	44	370.3	6	F115	46	369.3	6	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20962	8	VC	250	6	F115	45	369.3	6	F115	47	369.3	6	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20963	8	VC	150	4	F115	46	370.68	6	F115	48	369.3	6	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20965	8	VC	128	3	F115	50	369.74	12	F115	49	369.22	12	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20966	8	VC	360	13	F115	50	368.04	8	F115	50	368.04	8	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20967	8	VC	350	16	F115	52	368.14	11	F115	51	366.04	8	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20968	8	VC	255	1	F115	37	369.07	8	F115	52	368.14	11	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
4	20969	8	VC	135	1	F115	38	369.07	9	F115	52	368.14	11	122807	1/1/1958	REHAB	CONRAD AV	CLAIREMONT MESA	E
4	20971	8	VC	116	54	F115	54	371.23	5	F115	53	370.53	6	122807	1/1/1958	REHAB	ROSCREA AV	CLAIREMONT MESA	E
4	20972	8	VC	200	10	F115	55	370.53	6	F115	56	368.75	6	122807	1/1/1958	REHAB	BARSTOW ST	CLAIREMONT MESA	E
4	20973	8	VC	300	9	F115	55	368.75	6	F115	57	366.93	6	122807	1/1/1958	POINT REPAIR REHAB	BARSTOW ST	CLAIREMONT MESA	E
4	20974	8	VC	229	8	F115	57	366.93	6	F115	58	358.19	12	122807	1/1/1958	REHAB	BARSTOW ST	CLAIREMONT MESA	E
4	20977	8	VC	121	59	F115	59	361.49	10	F115	58	355.15</							

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (each)	US FIELD BOOK	US MH ID	US MH DEPTH	OS FIELD BOOK	OS MH ID	OS MH DEPTH	THOMAS BBO	INSTALL DATE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT	
6	50900	8	VC	359	7	1135	54	172.58	1135	53	169.44	12504	1/1/1984	REHAB	CHAMPARADISE CT	NAVAJO	2	
7	50744	8	VC	157	1	1135	251	339.89	1135	232	339.22	12504	1/1/1971	REHAB	EASEMENT - MARGERUM AV	NAVAJO	2	
7	50745	8	VC	155	0	1135	252	339.24	1135	233	338.7	12504	1/1/1971	REHAB	MARGERUM AV	NAVAJO	2	
7	50746	8	VC	255	0	1135	253	338.18	1135	237	337.15	12504	1/1/1984	REHAB	MARGERUM AV	NAVAJO	2	
7	50748	8	VC	118	1	1135	257	337.15	1135	235	335.16	12504	1/1/1989	REHAB	LARAMIE WY	NAVAJO	2	
7	50749	8	VC	135	1	1135	255	335.68	1135	236	334.8	12504	1/1/1983	REHAB	LARAMIE WY	NAVAJO	2	
7	50760	8	VC	361	2	1135	238	138	1135	237	15	12504	1/1/1989	REHAB	MARGERUM AV	NAVAJO	2	
7	50751	8	VC	320	3	1135	239	374	1135	238	338	18	12504	1/1/1989	REHAB	LARCHWOOD AV	NAVAJO	2
7	50752	8	VC	320	7	1135	236	324.36	1135	234	321.4	6	12504	1/1/1983	REHAB	LARAMIE WY	NAVAJO	2
8	50733	8	VC	118	5	1135	214	396	1135	215	395.5	14	1250C3	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50734	8	VC	123	4	1135	213	395.5	1135	216	395	15	1250C3	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50735	8	VC	350	10	1135	215	395	1135	229	385	9	1250C3	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50736	8	VC	350	12	1135	229	388	1135	230	386.4	9	1250C3	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50732	8	VC	133	0	1135	240	377.4	1135	239	374	8	12504	1/1/1989	REHAB	LARCHWOOD AV	NAVAJO	2
8	50713	8	VC	255	6	1135	245	381.5	1135	239	374	8	12504	1/1/1989	REHAB	LARCHWOOD WY	NAVAJO	2
8	50714	8	VC	37	0	1135	246	384.4	1135	245	381.5	5	12504	1/1/1989	REHAB	EASEMENT - HILLDALE CT	NAVAJO	2
8	50735	8	VC	173	3	1135	247	382.5	1135	246	384.4	16	12504	1/1/1989	REHAB	HILLDALE CT	NAVAJO	2
8	50736	8	VC	97	2	1135	248	385.6	1135	247	383.2	12	12504	1/1/1989	POINT REPAIR REHAB	HILLDALE CT	NAVAJO	2
8	50737	8	VC	244	5	1135	238	385.6	1135	248	386.4	11	12504	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50758	8	VC	156	3	1135	244	392	1135	248	385.6	11	12504	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
8	50759	8	VC	218	6	1135	243	392.2	1135	244	392	8	12504	1/1/1989	REHAB	HILLDALE DR	NAVAJO	2
9	50834	8	VC	290	12	1145	38	545.28	1145	37	542	8	1250D4	1/1/1971	POINT REPAIR REHAB	DAKESIDE RD	NAVAJO	2
9	50835	8	VC	339	11	1145	39	548	1145	38	545.28	9	1250D4	1/1/1971	REHAB	DAKESIDE RD	NAVAJO	2
9	50836	8	VC	212	5	1145	70	549.32	1145	69	548	8	1250D4	1/1/1971	REHAB	DAKESIDE RD	NAVAJO	2
9	50839	8	VC	35	6	1145	75	552.8	1145	70	549.32	7	1250D4	1/1/1971	REHAB	STRATUS CT	NAVAJO	2
9	50830	8	VC	200	6	1145	75	550.88	1145	70	549.32	7	1250D4	1/1/1971	REHAB	DAKESIDE RD	NAVAJO	2
9	50873	8	VC	86	1	1145	78	560	1145	72	556.8	23	1250D4	1/1/1989	REHAB	AMBERLY ST	NAVAJO	2
9	50873	8	VC	306	11	1145	74	555.71	1145	73	549	8	1250D4	1/1/1989	REHAB	AMBERLY ST	NAVAJO	2
9	50874	8	VC	134	5	1145	76	553.54	1145	75	550.88	8	1250D4	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	50875	8	VC	212	7	1145	77	557.77	1145	76	553.54	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	50876	8	VC	335	11	1145	78	564.47	1145	77	557.77	8	1250D5	1/1/1989	POINT REPAIR REHAB	DAKESIDE RD	NAVAJO	2
9	50877	8	VC	228	6	1145	87	563.22	1145	79	560.24	9	1250D5	1/1/1989	REHAB	AMBERLY ST	NAVAJO	2
9	50878	8	VC	350	12	1145	79	560.24	1145	74	555.71	8	1250D5	1/1/1989	REHAB	AMBERLY ST	NAVAJO	2
9	50888	8	VC	350	10	1145	88	571.49	1145	87	563.22	9	1250D5	1/1/1989	REHAB	AMBERLY ST	NAVAJO	2
9	50900	8	VC	203	5	1145	103	635.64	1145	101	607.48	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	50909	8	VC	326	11	1145	185	570.99	1145	78	564.47	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	50970	8	VC	161	5	1145	189	574.21	1145	185	570.99	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	50971	8	VC	173	5	1145	190	580.31	1145	189	576.21	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	57021	8	VC	289	10	1145	246	595.24	1145	190	580.91	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
9	57022	8	VC	206	7	1145	247	602.14	1145	246	595.24	8	1250D5	1/1/1989	REHAB	DAKESIDE RD	NAVAJO	2
Totals:				3930	89													

8" pipeline= 29361 LF  
 10" pipeline= 3929 LF  
 Total LF of pipe= 33290 LF  
 Total cost= \$8,150,000  
 External joint repairs= 32 EA  
 Internal joint repairs= 11 EA  
 Point pipe repairs= 36 EA

December 4, 2020

**PIPELINE REHABILITATION BB-1 CONCRETE ENCASED AREA SPREADSHEET - EXISTING LOCATIONS\_B-19201**

Please see SDS-112 for Concrete Encasement

SHEET NO.	FSN	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (each)	NUMBER OF POINT REPAIRS ON PIPELINE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT	THOMAS BRO	LOCATION OF CONCRETE ENCASEMENT
1	20888	10	VC	8 <del>275</del>	9	1	POINT REPAIR-REHAB	PALMYRA AV	CLAIREMONT MESA	6	1228H7	CONCRETE ENCASED LATERALS ONLY
1	20902	10	VC	24 <del>220</del>	12	3	POINT REPAIR-REHAB	PALMYRA AV	CLAIREMONT MESA	6	1228H6	CONCRETE ENCASED LATERALS ONLY
1	20903	10	VC	8 <del>28</del>	2	1	POINT REPAIR-REHAB	NORTHDRIDGE CT	CLAIREMONT MESA	6	1228H6	CONCRETE ENCASED LATERALS ONLY
2	20925	8	VC	125 <del>250</del>	9	2	POINT REPAIR-REHAB	ENELRA PL	CLAIREMONT MESA	6	1228G7	CONCRETE ENCASED MAIN & LATERALS
5	21043	10	VC	8 <del>250</del>	10	1	POINT REPAIR-REHAB	BERGEN ST	CLAIREMONT MESA	6	1228H7	CONCRETE ENCASED MAIN & LATERALS
Totals:				173 <del>3220</del>	42	8						

8" pipeline= 125 ~~250~~ LF  
 10" pipeline= 48 ~~979~~ LF  
 Total LF of pipe= 173 ~~1220~~ LF

**CONCRETE ENCASED LATERALS ON PIPELINES WITH POINT REPAIRS**

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
1	20888	301506	4	F10S	1228H7	5309	PALMYRA	AV
1	20902	301357	4	F10S	1228H6	5384	PALMYRA	AV
1	20902	301363	4	F10S	1228H6	5374	PALMYRA	AV
1	20902	301404	4	F10S	1228H6	5354	PALMYRA	AV
1	20902	301423	4	F10S	1228H6	5340	PALMYRA	AV
1	20902	301475	4	F10S	1228H7	5333	PALMYRA	AV
1	20902	301488	4	F10S	1228H7	5321	PALMYRA	AV
1	20902	171928	4	F10S	1228H6	5369	PALMYRA	AV
1	20902	171970	4	F10S	1228H6	5357	PALMYRA	AV
1	20902	171984	4	F10S	1228H6	5326	PALMYRA	AV
1	20902	172002	4	F10S	1228H7	5345	PALMYRA	AV
1	20902	172010	4	F10S	1228H6	5312	PALMYRA	AV
1	20903	171871	4	F10S	1228H6	5469	NORTHDRIDGE	CT
1	20903	171882	4	F10S	1228H6	5459	NORTHDRIDGE	CT
2	20925	172758	4	F10S	1228G7	5138	ENELRA	PL
2	20925	301991	4	F10S	1228G7	5148	ENELRA	PL
2	20925	302018	4	F10S	1228G7	5135	ENELRA	PL
2	20925	302029	4	F10S	1228G7	5130	ENELRA	PL
5	21043	303440	4	F11S	1228H7	5468	BERGEN	ST

## Bid Results

### Bidder Details

Vendor Name Burtech Pipeline Incorporated  
 Address 102 Second Street  
 Encinitas, California 92024  
 United States  
 Respondee DOMINIC J. BURTECH  
 Respondee Title PRESIDENT & CEO  
 Phone 760-634-2822  
 Email buddy@burtechpipeline.com  
 Vendor Type CADIR, PQUAL  
 License # 718202  
 CADIR 1000006324

### Bid Detail

Bid Format Electronic  
 Submitted 03/17/2021 12:41 PM (PDT)  
 Delivery Method  
 Bid Responsive  
 Bid Status Submitted  
 Confirmation # 246604  
 Ranking 0

### Respondee Comment

Please include Buddy Aquino (buddy@burtechpipeline.com) and Lota Leynes (lota@burtechpipeline.com) in all correspondences. Thank you!

### Buyer Comment

### Bond

eBond Contract ID

### Attachments

File Title	File Name	File Type
Subs Debarment and Suspension Certification.pdf	Subs Debarment and Suspension Certification.pdf	General Attachments
Mandatory Disclosure of Business Interests form.pdf	Mandatory Disclosure of Business Interests form.pdf	General Attachments
Bid Bond - BB-1.pdf	Bid Bond - BB-1.pdf	Bid Bond
Contractors Certification of Pending Action.pdf	Contractors Certification of Pending Action.pdf	General Attachments
Contractors Experience & Past Project Documentations.pdf	Contractors Experience & Past Project Documentations.pdf	General Attachments
Manufacturer Installer Qualification Package.pdf	Manufacturer Installer Qualification Package.pdf	General Attachments
Prime Debarment and Suspension Certification.pdf	Prime Debarment and Suspension Certification.pdf	General Attachments



## Subcontractors

Showing 6 of undefined Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
CODE 3 Media 663 S Rancho Santa Fe Suite 177 San Marcos, California 92078	Constructor - Preconstruction Video Documentation	FAA 3930297	1000055028	\$2,465.00	ELBE
G. Scott Asphalt,INC 358 TROUSDALE DRIVE CHULA VISTA, CA, California 91911	Constructor - RPMS Slurry Sealing and Crack Sealing	751836	1000004252	\$34,265.06	DVBE, SDB
MCGRATH HOLDINGS, INC. PO BOX 2488 EL CAJON, California 92021	Designer - WPCP Development	QSD 20194	1000037165	\$575.00	
National Coating & Lining 26713 Madison Ave Murrieta, California 92532	Constructor - Rehabilitation of exist. Manholes	886430	1000013795	\$160,515.00	
Nu-Line Technologies, LLC 102 Second Street, Suite B Encinitas, California 92024	Constructor - Sewer Main Rehabilitation, Cleaning and CCTV Inspections for sewer mains.	997520	1000003808	\$757,875.90	FEM, MBE, CADIR, WBE, PQUAL
Piperin Corporation 358 TROUSDALE DRIVE CHULA VISTA, CA, California 91911	Constructor - Open Cut Installations of Manholes, Cleanouts, Point Repairs and Sewer Laterals - Partial	964028	1000000485	\$510,000.00	PQUAL, CADIR

## Line Items

Item #	Item Code	Section	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
1	524126	Main Bid		Bonds (Payment and Performance)	LS	1	\$30,000.00	\$30,000.00	Yes	
2	334290	Main Bid		Remote Control Camera Inspection (EOC Type II)	AL	1	\$20,000.00	\$20,000.00	Yes	
3	237110	Main Bid		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$1,500.00	\$1,500.00	Yes	
4	541690	Main Bid		Suspension of Work - Resources	DAY	5	\$1.00	\$5.00	Yes	
5	238990	Main Bid		Remove and Relocate Existing Sign and Post	EA	3	\$100.00	\$300.00	Yes	
6	237110	Main Bid		Mobilization	LS	1	\$148,430.00	\$148,430.00	Yes	
7		Main Bid		Field Orders (EOC Type II)	AL	1	\$178,789.00	\$178,789.00	Yes	
8	237310	Main Bid		Asphalt Pavement Repair	TON	27	\$10.00	\$270.00	Yes	
9	237310	Main Bid		Subgrade Imported Backfill	TON	126	\$1.00	\$126.00	Yes	
10	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type I	SF	13146	\$1.00	\$13,146.00	Yes	
11	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type II	SF	13146	\$1.00	\$13,146.00	Yes	
12	237310	Main Bid		Pavement Restoration Adjacent to Trench	SF	768	\$1.00	\$768.00	Yes	
13	237310	Main Bid		Crack Seal	LB	13	\$1.00	\$13.00	Yes	
14	237110	Main Bid		Removal of Concrete Encasement of Existing Pipe (Appendix M)	CY	18	\$1.00	\$18.00	Yes	
15	237310	Main Bid		Remove and Replace Existing Sidewalk	SF	280	\$30.00	\$8,400.00	Yes	
16	237310	Main Bid		Additional Sidewalk Removal and Replacement	SF	140	\$5.00	\$700.00	Yes	
17	237310	Main Bid		Curb and Gutter (6 Inch Curb, Type G)	LF	280	\$5.00	\$1,400.00	Yes	
18	237310	Main Bid		Cross Gutter	SF	2370	\$1.00	\$2,370.00	Yes	
19	237310	Main Bid		Curb Ramp (Type A ) with Stainless Steel Detectable Warning Tiles	EA	4	\$3,900.00	\$15,600.00	Yes	
20	237310	Main Bid		Curb Ramp (Type B ) with Stainless Steel Detectable Warning Tiles	EA	2	\$3,500.00	\$7,000.00	Yes	
21	237310	Main Bid		Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	EA	6	\$3,900.00	\$23,400.00	Yes	
22	237310	Main Bid		Curb Ramp Modified (Type C1, Per (42077-D) with Stainless Steel Detectable Warning Tiles	EA	2	\$4,000.00	\$8,000.00	Yes	
23	237310	Main Bid		Temporary Resurfacing	TON	31	\$125.00	\$3,875.00	Yes	
24	237110	Main Bid		Manhole (4ft x 3 ft)	EA	3	\$11,000.00	\$33,000.00	Yes	
25	237110	Main Bid		Remove and Replaced Manhole (4ft x 3 ft)	EA	9	\$13,000.00	\$117,000.00	Yes	
26	237110	Main Bid		Connection to Existing Manhole and Rechanneling	EA	4	\$100.00	\$400.00	Yes	
27	237110	Main Bid		Sewer Lateral and Cleanout (4 Inch, Street)	EA	25	\$2,200.00	\$55,000.00	Yes	
28	237110	Main Bid		Concrete Encased Sewer Lateral (4 Inch) and Cleanout (Appendix M)	EA	19	\$2,200.00	\$41,800.00	Yes	
29	237110	Main Bid		Sewer Lateral and Cleanout (6 Inch, Street)	EA	1	\$2,200.00	\$2,200.00	Yes	
30	237110	Main Bid		Sewer Lateral and Cleanout (8 Inch, Street)	EA	1	\$2,200.00	\$2,200.00	Yes	
31	237110	Main Bid		Sewer Main Cleanout	EA	28	\$5,000.00	\$140,000.00	Yes	
32	237110	Main Bid		Cleaning and Video Inspection of Existing Pipelines and Culverts	LF	33290	\$1.00	\$33,290.00	Yes	
33	237110	Main Bid		Cleaning and Video Inspection of Existing Laterals	LF	25121	\$1.00	\$25,121.00	Yes	
34	237110	Main Bid		Video Inspection of Pipelines and Culverts for Acceptance	LF	58411	\$0.80	\$46,728.80	Yes	
35	237310	Main Bid		Removal and Replacement of Existing Paint Striping	LS	1	\$2,000.00	\$2,000.00	Yes	
36	238990	Main Bid		Video Recording of Existing Conditions	LS	1	\$2,500.00	\$2,500.00	Yes	
37	237110	Main Bid		Potholing Existing Utilities Not Shown on Plans (Depth up to 7 feet)	EA	80	\$400.00	\$32,000.00	Yes	
38	237310	Main Bid		Adjust Existing Manhole Frame and Cover to Grade	EA	12	\$10.00	\$120.00	Yes	
39	237310	Main Bid		Adjust Existing Gate Valve Frame and Cover to Grade	EA	6	\$10.00	\$60.00	Yes	
40	237310	Main Bid		Adjust Existing Survey Monument to Grade	EA	1	\$10.00	\$10.00	Yes	
41	237110	Main Bid		Point Repair for Existing Sewer Main (8 Inch)	EA	21	\$3,000.00	\$63,000.00	Yes	
42	237110	Main Bid		Point Repair for Existing Sewer Main (10 Inch)	EA	11	\$3,000.00	\$33,000.00	Yes	
43	237110	Main Bid		Additional Point Repair for Existing Sewer Main (8 Inch)	LF	80	\$10.00	\$800.00	Yes	
44	237110	Main Bid		Additional Point Repair for Existing Sewer Main (10 Inch)	LF	80	\$10.00	\$800.00	Yes	
45	237110	Main Bid		Rehabilitate Sewer Main (8 Inch)	LF	29361	\$20.60	\$604,836.60	Yes	
46	237110	Main Bid		Rehabilitate Sewer Main (10 Inch)	LF	3929	\$23.70	\$93,117.30	Yes	

47	237110	Main Bid		Service Lateral Connection	EA	839	\$700.00	\$587,300.00	Yes	
48	237110	Main Bid		Rehabilitate Existing Manhole	EA	123	\$1,305.00	\$160,515.00	Yes	
49	237110	Main Bid		4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth is measured from the cleanout rim	EA	408	\$1,700.00	\$693,600.00	Yes	
50	237110	Main Bid		4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth is measured from the cleanout rim	EA	428	\$950.00	\$406,600.00	Yes	

Item #	Item Code	Section	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
51	237110	Main Bid		6" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth is measured from the cleanout rim	EA	1	\$1,000.00	\$1,000.00	Yes	
52	237110	Main Bid		6" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth is measured from the cleanout rim	EA	1	\$1,000.00	\$1,000.00	Yes	
53	237110	Main Bid		8" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth is measured from the cleanout rim	EA	1	\$1,000.00	\$1,000.00	Yes	
54	237110	Main Bid		8" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth is measured from the cleanout rim	EA	1	\$1,000.00	\$1,000.00	Yes	
55	541330	Main Bid		Traffic Control and Working Drawings	LS	1	\$15,000.00	\$15,000.00	Yes	
56	541330	Main Bid		WPCP Development	LS	1	\$655.30	\$655.30	Yes	
57	237310	Main Bid		WPCP Implementation	LS	1	\$1,000.00	\$1,000.00	Yes	
58	237110	Main Bid		8" Point Repair with Concrete Encasement (Appendix M)	EA	2	\$2,000.00	\$4,000.00	Yes	
59	237110	Main Bid		10" Point Repair with Concrete Encasement (Appendix M)	EA	8	\$2,500.00	\$20,000.00	Yes	
60	237110	Main Bid		Additional 8" Point Repair with Concrete Encasement (Appendix M)	LF	109	\$10.00	\$1,090.00	Yes	

## Line Item Subtotals

Section Title	Line Total
Main Bid	\$3,700,000.00
Grand Total	\$3,700,000.00