

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: Taylor Cox, Contract Specialist, Email: TJCox@sandiego.gov

Phone No. (619) 533-3033

J. Talamayan / R. W. Bustamante / B. Richardson

BIDDING DOCUMENTS



FOR

PIPELINE REHABILITATION AY-1

BID NO.: _____ **K-21-1957-DBB-3**

SAP NO. (WBS/IO/CC): _____ **B-18212**

CLIENT DEPARTMENT: _____ **2000**

COUNCIL DISTRICT: _____ **1, 2**

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

NOVEMBER 5, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

ENGINEER OF WORK

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

Msese

For City Engineer

9/24/20

Date

Seal:



TABLE OF CONTENTS

SECTION	PAGE
1. REQUIRED DOCUMENTS SCHEDULE	4
2. NOTICE INVITING BIDS.....	6
3. INSTRUCTIONS TO BIDDERS.....	9
4. PERFORMANCE AND PAYMENT BONDS	19
5. ATTACHMENTS:	
A. SCOPE OF WORK.....	22
B. PHASED FUNDING PROVISIONS	24
C. RESERVED	28
D. PREVAILING WAGE.....	29
E. SUPPLEMENTARY SPECIAL PROVISIONS	34
1. Appendix A - Addendum to Mitigated Negative Declaration	64
2. Appendix B - Fire Hydrant Meter Program.....	88
3. Appendix C - Materials Typically Accepted by Certificate of Compliance	102
4. Appendix D - Sample City Invoice with Cash Flow Forecast.....	104
5. Appendix E - Location Maps.....	107
6. Appendix F - Adjacent Project Maps.....	114
7. Appendix G - Site Maps.....	121
8. Appendix H - Curb Ramp Map.....	161
9. Appendix I - Hazardous Waste Label/Forms.....	163
10. Appendix J - Sample of Public Notice	169
11. Appendix K - Sample Archaeology Invoice	171
12. Appendix L - Sewer Mains Pipeline Rehabilitation AY-1 Spreadsheets.....	174
13. Appendix M - Sewer Manhole Pipeline Rehabilitation AY-1 Spreadsheet.....	178
14. Appendix N - Sewer Laterals Pipeline Rehabilitation AY-1 Spreadsheets	180
15. Appendix O - Advanced Metering Infrastructure (AMI) Device Protection.....	194
16. Appendix P - Traffic Control Plans.....	201
17. Appendix Q - Alternate A - Scope.....	208
18. Appendix R - Contractor’s Daily Quality Control Inspection Report.....	220
19. Appendix S - Rehab Data Collection – Sewer Mains Sample Data Templates.....	225
20. Appendix T - Rehab Data Collection – Manhole Sample Data Template	227
21. Appendix U - Rehab Data Collection – Lateral Sample Data Template.....	229
22. Appendix V - Port of San Diego Coordination.....	231
F. RESERVED	234
G. CONTRACT AGREEMENT	235
6. CERTIFICATIONS AND FORMS	238

REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

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

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

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

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
6.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
8.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Contractor's Experience and Past Project Documentation. See SSP and 2018 WB Section 500-2.1, "Initial Submittals"	At Time of Bid	ALL BIDDERS
11.	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
12.	Phased Funding Schedule Agreement	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	APPARENT LOW BIDDER
13.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
14.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	APPARENT LOW BIDDER
15.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	APPARENT LOW BIDDER
16.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Pipeline Rehabilitation AY-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 **\$5,650,000**.
4. **BID DUE DATE AND TIME ARE: November 5, 2020 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classifications: **A** or **C-34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	6.0%
2. ELBE participation	9.3%
3. Total mandatory participation	15.3%
- 7.1. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.1.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
 - 7.1.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on a Universal Serial Bus (USB) Type-A, Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

Due to circumstances related to Covid-19, until further notice, all submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via a File Cloud link provided by the Contract Specialist to all bidders.

Upon circumstances returning to normal business as usual, the GFE shall once again be submitted to:

GFE shall be submitted to:
Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Taylor Cox

8. AWARD PROCESS:

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

9. SUBMISSION OF QUESTIONS:

- 9.1.** The Director (or Designee) of Engineering and 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 (7th Floor)
San Diego, California, 92101
Attention: Taylor Cox

OR:

TJCox@sandiego.gov

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

- 9.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- 9.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.
- 10. PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.
- 11. ADDITIVE/DEDUCTIVE ALTERNATES:**
- 11.1.** The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.
- 11.2.** For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at: <http://www.sandiego.gov/cip/bidopps/prequalification>
- 1.5. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego’s electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.
- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City’s bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City’s bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City’s bidding system will keep a history of every login instance including the time of login, and other information about the user’s computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers’ cookies will not be able to log in and use the City’s bidding system.
- 2.3. The City’s electronic bidding system is responsible for bid tabulations. Upon the bidder’s or proposer’s entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. **BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City’s bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256-bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the “Bid Due Date and Time” are not available for review by anyone other than the submitter who has until the “Bid Due Date and Time” to change, rescind or retrieve its proposal should it desire to do so.
- 2.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results online. 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 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.
- 3.1.** The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2.** By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4.** The Bidder agrees to the construction of the project as described in Attachment “A–Scope of Work” for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
- 4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
- 5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**
- 5.1. Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City’s web-based vendor registration and bid management system. For additional information go to:
<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg>

- 5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
6. **JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 14 Calendar Days after receiving the Contract forms.
7. **INSURANCE REQUIREMENTS:**
- 7.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 7.2. Refer to sections 5-4, "INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.
8. **REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/ecp/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-05
CALTRANS Standard Plans https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 5 (CA MUTCD 2014 Rev 5) http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5	2014	PWPI042220-09
<p>NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/</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 aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. By 5PM, 3 working days after the bid opening date, all 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 (7th Floor)
San Diego, California, 92101
To the Attention of the Contract Specialist on the Front Page of this solicitation.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

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

21. BID RESULTS:

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

22. THE CONTRACT:

- 22.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.

- 22.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 22.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled, and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 22.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 22.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form by the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 23. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 24. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 24.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 24.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

- 24.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 24.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 24.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 24.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 24.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

25. PRE-AWARD ACTIVITIES:

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

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

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 Six Hundred Eighty Thousand Dollars and Zero Cents (\$3,680,000.00) for the faithful performance of the annexed contract, and in the sum of Three Million Six Hundred Eighty Thousand Dollars and Zero Cents (\$3,680,000.00) 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 shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

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

The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

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

Dated DECEMBER 18, 2020

Approved as to Form

BURTECH PIPELINE, INCORPORATED

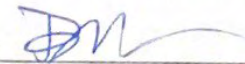
Principal

By 

DOMINIC J. BURTECH, JR., PRESIDENT

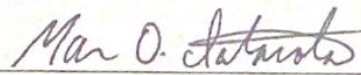
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 
Deputy City Attorney

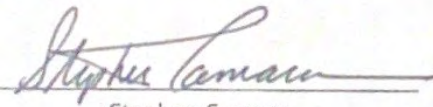
NORTH AMERICAN SPECIALTY INSURANCE COMPANY

Surety

By 

MARK D. IATAROLA, Attorney-in-fact

Approved:

By 
Stephen Samara
Principal Contract Specialist
Engineering & Capital Projects

777 SOUTH FIGUEROA STREET, SUITE 3700

Local Address of Surety

LOS ANGELES, CA 90017

Local Address (City, State) of Surety

213/337-3078

Local Telephone No. of Surety

Premium \$ 24,776.00

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

Bond No. 2314406

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 12/22/2020 before me Arthur P. Arquilla, Notary Public
(Here insert name and title of the officer)

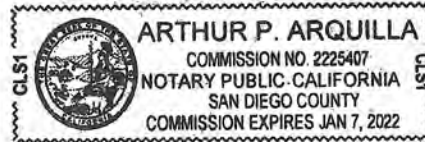
personally appeared Dominic Burtch
 who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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 12/18/2020 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 *Tracy Lynn Rodriguez*
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 [Signature] 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 [Signature] 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.



[Signature] 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 18th day of DECEMBER, 20 20.

[Signature]

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

- SCOPE OF WORK:** This proposed scope of work consists of trenchless rehabilitation of approximately 40,623 LF (7.69 miles) of existing 8-inch & 10-inch vitrified clay pipe (VCP) sewer mains. The project includes approximately 14 point repairs, rehabilitation of all associated sewer laterals from the sewer main to the property line or lateral connectors within private streets and easements, rehabilitation of 27 manholes, replacement of 4 manholes, repair of 5 manholes, 9 new manholes installed and the installation of 34 new main lines cleanouts and installation of sewer lateral cleanouts. Additional work includes curb ramp installation and street resurfacing.

Alternate A scope consists of trenchless rehabilitation of approximately 2,351 LF (0.45 miles) of existing 8-inch and 10-inch vitrified clay pipe (VCP) sewer mains. The scope also includes approximately 2-point repairs, rehabilitation of all associated sewer laterals from the sewer main to the property line and installation of sewer lateral cleanouts, rehabilitation of 11 manholes, replacement of 1 manhole, and the installation of 3 new sewer cleanouts. Additional work includes street resurfacing.

1.1. The Work shall be performed in accordance with:

- 1.1.1.** The Notice Inviting Bids, **Appendix G, Site Maps, Sheets 1 through 16**, inclusive and **Appendix Q- Alternate A - Scope**.

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

See **Appendix E – Location Maps** and **Appendix Q-Alternate A-Location Maps**.

- CONTRACT TIME:** The Contract Time for completion of the Work shall be **350 Working Days**.

If Alternate A is awarded, the total Contract Time shall be extended to **438 Working Days** and Alternate A Work shall be completed within **88 Working Days** of Notice to Proceed (NTP). The remaining Work shall be completed within the remaining **350 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

- 1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
 - 1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 7-3, "PAYMENT.
- 1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:
 - 1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

2. POST-AWARD

- 2.1. Do not start any construction activities for the next phase until the Notice to Proceed (NTP) has been issued by the City. The City will issue a separate NTP for each phase.
- 2.2. The City may issue the NTP for a subsequent phase before the completion of the preceding phase.

PHASED FUNDING SCHEDULE AGREEMENT

BID NUMBER: K-21-1957-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AY-1

CONTRACTOR: Burtech Pipeline Incorporated

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, videotaping of conditions, pipeline rehabilitation of 4.11 miles of VC sewer main from Maps 1-9 and 0.45 miles from Additive Alternate A.	Notice to Proceed	12/26/2021	\$1,962,666.64
2	Work to be completed in Phase 2 shall include the remaining pipeline rehabilitation of 3.58 miles of VC sewer main from Maps 10-16 and remaining construction activities associated with the contract and specifications.	12/27/2021	Notice of Completion	\$1,717,333.36
Contract Total				\$3,680,000.00

Notes:

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

CITY OF SAN DIEGO

PRINT NAME: DINO CIAFRE

Construction Manager

Signature: 

Date: 12/21/2020

CONTRACTOR

PRINT NAME: Dominic J. Burtech

Title: President & CEO

Signature: 

Date: December 21, 2020

PRINT NAME: Sheila Bose

Project Manager

Signature: *Sheila Bose*

Date: 12/21/20

ATTACHMENT C
RESERVED

ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

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

- 1.2.1. 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. 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.
- 1.3. 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.
- 1.4. 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.
- 1.5. 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.
- 1.6. 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."
- 1.7. 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.

- 1.8. 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.
- 1.8.1.** 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.
- 1.8.2.** 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.
- 1.9. 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.
- 1.10. 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.
- 1.11. 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:
- 1.11.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1).

- 1.11.2.** 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).

- 1.11.3.** 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.

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

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

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City's authorized representatives.
3. You shall submit the following reports using the City's web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or 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 of Pacific Highway between Sassafras St. & West Palm St.

The **Project Working Hours (at night)** are **9:00 PM to 5:00 AM**.

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 S – Rehabilitation Data Collection – Sewer Mains Data Templates, Appendix T – Rehabilitation Data Collection – Manhole Data Template** and **Appendix U – Rehabilitation Data Collection – Lateral Data Template**).
 - a) Laterals
 - b) Sewer Mains
 - c) Manhole

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 R - Contractor's Daily Quality Control Plan 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)
Material quality control testing plan
 - d) Documentation of quality control activities
 - e) Procedures for corrective action when quality control and/or acceptance criteria are not met
 - f) 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.

3-13.1 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 of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.
5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

3-13.3

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

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

6. Items that shall be warrantied free from defective workmanship and materials for a period longer than 1 year are as follows:

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

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

7. 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:

1. Other adjacent City projects are scheduled for construction for the same time period in the vicinities listed below. See **Appendix F – Adjacent Projects Maps** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Limit of Work: Recuerdo Cove and Mission Carmel Cove and Mira Montana. AC Resurfacing, Group 1901, Project Manager: Su Cheong, phone (619) 527-7639
 - b) Limit of Work: Pacific Hwy between Sassafras St. and W. Palm St., DMP Phase 2 Pacific Hwy; Project Manager, Ali Alaeipour, phone, (619) 533-5141.
2. Other adjacent City projects are scheduled for construction for the same time. See **Appendix Q – Alternate A - Scope** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - c) Limit of Work: Limerick Ave, AC Resurfacing Group 1901; Project Manager: Su Cheong, phone (619) 527-7639.
 - d) Limit of Work: Limerick Ct and Regina Ave, AC Resurfacing Group 1702; Project Manager: Attone Amore, phone (619) 527-8091.
3. Del Mar Hills Academy Point of Contact and school hours would be the principal or representative at (858) 755-9763. Del Mar Union School District-Del Mar Hills Academy is at 14085 Mango Drive, Del Mar, CA 92014.
4. Port of San Diego: Contact the Port of San Diego prior to construction along Pacific Highway (Map 16). See **Appendix V, Port of San Diego Coordination** for construction and coordination requirements.

SECTION 4 - CONTROL OF MATERIALS

4-3.6

Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

4-6

TRADE NAMES. To the "WHITEBOOK", ADD the following:

11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City's Product Submittal Form available at:

<http://www.sandiego.gov/ecp/edocref/index.shtml>

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

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

5-4 INSURANCE.

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

5-4.1 Policies and Procedures.

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

5-4.2 Types of Insurance.

5-4.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.

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

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

5-4.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
2. All costs of defense shall be outside the limits of the policy.

5-4.2.3 Contractors Pollution Liability Insurance.

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor's insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.

4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability.
5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

5-4.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

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

5-4.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

5-4.5 Policy Endorsements.

5-4.5.1 Commercial General Liability Insurance.

5-4.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.

3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your Work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.

4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

5-4.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

5-4.5.1.3 Project General Aggregate Limit. The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

5-4.5.2 Commercial Automobile Liability Insurance.

5-4.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

5-4.5.3 Contractors Pollution Liability Insurance Endorsements.

5-4.5.3.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.

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

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

5-4.5.3.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

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

5-4.6 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.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

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

- s) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.

- i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.
- ii. See also the “Cash Flow Forecast Example” at the location below:
<https://www.sandiego.gov/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.

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

- 3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:
 - a) Paving moratorium on Citadel Circle ends 09/10/2021
 - b) Paving moratorium on Cordero Road ends 01/29/2021
 - c) Paving moratorium on Vista Claridad ends 08/29/2019
 - d) Paving moratorium on Lamplight Dr & Lady Bird Lane ends 02/14/2021
 - e) Paving moratorium on Candlelight Place ends 05/10/2020

6-3 TIME OF COMPLETION. To the “WHITEBOOK”, ADD the following:

- 1. If **Appendix Q – Alternate A – Scope** is awarded:
You shall complete the liner installation of all segments of sewer mains, sewer lateral cleanout installation and lining, sewer main cleanout and manhole installation, post-lining CCTV video, and demobilization, as verified by the Engineer, within **88 Working Days** from the date of NTP for the Alternate A Scope of Work. See Attachment A, Contract Time. Once Alternate A Scope of Work has been completed, you shall then complete the liner installation of all remaining segments of sewer mains and the lateral reinstatements, as verified by the Engineer, within **298 Working Days**. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of working Days.

2. If **Appendix Q – Alternate A – Scope** is **NOT** awarded

You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within **298 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 an **Addendum to Mitigated Negative Declaration** for **Pipeline Rehabilitation AY-1**, Project No. **649027**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Addendum to Mitigated Negative Declaration** as set forth in **Appendix A**.
2. For work identified in **Appendix Q – Alternate A - Scope**, you shall comply with the MHPA Land Use Adjacency Guidelines as specified in Section 1.4.3 of the MSCP Subarea Plan and noted in **Appendix Q**.
3. Compliance with the City's environmental document shall be included in the Contract Price, unless separate bid items have been provided.

6-6.2.1 Archaeological and Native American Monitoring Program. To the "WHITEBOOK", ADD the following:

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

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1 General. To the "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.

7-3.2

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

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

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.

7-3.2.2 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", ADD the following:

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

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

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

**TABLE 7-3.9
FIELD ORDER LIMITS**

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

2. Field Order items of Work for contracts greater than \$15,000,000 will require additional approvals from the City prior to its approval by the Resident Engineer.
3. The City will issue a Field Order only after the City's acceptance of the cost of the field order amount.
4. Field Orders shall not be used to add scope or to include extensions of time related to changes in work.
5. If in the event there is a change related to the critical path on the project which necessitates an extension of time and the change amount is within the Field Order limits shown on Table 7-3.9, then a Field Order can be issued to compensate you for the approved costs. Any extensions of time associated with the change shall be included in a subsequent Change Order and no additional compensation shall be granted as part of the change order for the extension of time.

6. The unused portions of Field Orders Bid item shall revert to the City upon Acceptance.

7-3.11 Compensation Adjustments for Price Index Fluctuations. To the "WHITEBOOK", ADD the following:

5. This Contract is not subject to the provisions of the "WHITEBOOK" for Compensation Adjustments for Price Index Fluctuations for paving asphalt.

SECTION 203 – BITUMINOUS MATERIALS

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

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

SECTION 209 – PRESSURE PIPE

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

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

SECTION 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.

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

306-18.5 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 314 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS,
AND PAVEMENT MARKERS**

314-4.4.5 Measurement. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Thermoplastic traffic striping for continental crosswalks shall be measured by the square foot for the actual area covered with thermoplastic.

SECTION 402 – UTILITIES

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

- g) Refer to **Appendix O - 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.

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**:
 - b) 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.
 - c) 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.

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

601-2.1.2 Engineered Traffic Control Plans (TCP). To the “WHITEBOOK”, ADD the following:

See **Appendix P - Pipeline Rehab AY-1 Traffic Control Plans**, Pacific Highway between Sassafras St & West Palm St.

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 700 – MATERIALS

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

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

SECTION 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
ADDENDUM TO MITIGATED NEGATIVE DECLARATION



THE CITY OF SAN DIEGO

ADDENDUM TO MITIGATED NEGATIVE DECLARATION

Project No. 649027
Addendum to MND No. 255100
SCH No. 011091045

SUBJECT: Pipeline Rehab AY-1: DEVELOPMENT SERVICES DEPARTMENT APPROVAL to allow for trenchless rehabilitation of approximately 40,623 linear feet (LF) of existing 8-inch and 10-inch diameter sewer mains, laterals, and manholes. Related work would include point repairs of sewer mains, manhole cleanouts, construction of new manholes, manhole replacements, installation of curb-ramps, slurry seal and street resurfacing. The project is located within Torrey Pines, La Jolla, and Midway-Pacific community planning areas. The project would occur within the public right-of-way, within existing utility easements on private properties and alleyways.

APPLICANT: City of San Diego Public Engineering and Capital Projects Department, Right of Way Design Division.

I. SUMMARY OF PROPOSED PROJECT

Project Location: The Pipeline Rehab AY-1 project is located within the Torrey Pines Community Planning Area (Council District 1), the La Jolla Community Planning Area (Council District 1), and the Midway-Pacific Community Planning Area (Council District 2). The project site is also located within the City's coastal zone jurisdiction (appealable and non-appealable) and within the California Coastal Commission's (CCC) and the Port of San Diego's jurisdiction. All work would occur within developed areas (right-of-way, easements, and alleys). The project would occur in the following locations listed below:

Location 1: Torrey Pines community, bound by Mango Way to the north, Interstate 5 Freeway to the east, Carmel Valley Road to the south, and Camino Del Mar to the West. (See attached: Map 1-4)

Location 2: La Jolla community, bound by La Jolla Scenic Drive to the north, Rutgers Road and Colgate Circle to the east, Van Nuys Street to the south, and La Jolla Hermosa to the west. (See attached: Map 5)

Location 3: Midway community, located on Pacific Highway between Sassafras Street and Laurel Street. (See attached: Map 6)

Project Description: The project includes the following:

- Rehabilitation of 40,623 LF of existing 8-inch and 10-inch diameter sewer mains and laterals
- Rehabilitation of approximately 27 manholes
- Rehabilitation with point repair of approximately 5 manholes
- Replacement of approximately 4 manholes
- Construction of approximately 9 new manholes
- Cleanouts of approximately 34 manholes

Additional improvements include point repairs of sewer mains, installation of curb-ramps, and slurry seal and street resurfacing.

The Pipeline Rehab AY-1 project is part of the City of San Diego's on-going Sewer Main and Water Main Replacement Program. The existing sewer and water mains are old and are nearing the end of their service life. Construction of the project will reduce maintenance requirements, correct hydraulic deficiencies, improve reliability and accessibility, and bring the sewer and water main systems up to current design standards.

The project would comply with the requirements described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation's *Manual of Traffic Controls for Construction and Maintenance Work Zones*. A traffic controls plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. Best Management Practices will be required and specified within the approved Water Pollution Control Plan for erosion control and storm drain inlet protection.

II. ENVIRONMENTAL SETTING

The Pipeline Rehab AY-1 project would occur within the developed public right-of-way and previously disturbed private property within the City of San Diego described above under Summary of Proposed Project. Surrounding land uses include existing residential, industrial, institutional, commercial developments, and open space areas. See attached MND for the environmental setting for the overall Citywide Pipeline Projects.

III. SUMMARY OF ORIGINAL PROJECT

A Citywide Pipelines Projects Mitigated Negative Declaration (MND) No. 255100 was prepared by the City of San Diego's Development Services Department (DSD) and was certified by the City Council on November 30, 2011 (Resolution No. 307122). The Citywide Pipelines Projects MND provides for the inclusion of subsequent pipeline projects that are located within the

public right-of-way and would not result in any direct impacts to sensitive biological resources. Pursuant to the City of San Diego's Municipal Code Section 128.0306 and Section 15164(c) of State CEQA Guidelines addenda to environmental documents are not required to be circulated for public review.

IV. ENVIRONMENTAL DETERMINATION

The City previously prepared and certified the Citywide Pipelines Project Mitigated Negative Declaration (MND) No. 255100/SCH No. 2011091045. Based on all available information in light of the entire record, the analysis in this Addendum, and pursuant to Section 15162 of the State CEQA Guidelines, the City has determined the following:

- There are no substantial changes proposed in the project which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- Substantial changes have not occurred with respect to the circumstances under which the project is undertaken which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- There is no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental document was certified as complete or was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous environmental document;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous environmental document;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
 - d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous environmental would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based upon a review of the current project, none of the situations described in Sections 15162 of the State CEQA Guidelines apply. No changes in circumstances have occurred, and

no new information of substantial importance has manifested, which would result in new significant or substantially increased adverse impacts as a result of the project. Therefore, this Addendum has been prepared in accordance with Section 15164 of the CEQA State Guidelines. Public review of this Addendum is not required per CEQA.

V. IMPACT ANALYSIS

The subsequent impact analysis is to demonstrate that environmental impacts associated with the project are consistent with the previously certified MND. The following includes the project-specific environmental review pursuant to the CEQA. The analysis in this document evaluates the adequacy of the MND relative to the project.

Archaeological Resources

The Citywide Pipelines Project MND No. 255100 concluded that pipeline projects located within the public right-of-way and city easements could result in significant environmental impacts relating to archaeological resources, which included mitigation to reduce impacts to archaeological resources to below a level of significance. Portions of the project area in the Torrey Pines and La Jolla community areas identified within the Pipeline Rehab AY-1 project would include excavation of previously undisturbed native soil which has the potential to contain sensitive archaeological resources.

To reduce potential archaeological resource impacts to below a level of significance, all excavation within previously undisturbed soil would be monitored by a qualified archaeologist or archaeological monitor and Native American monitor. Any significant archaeological resources encountered would be recovered and curated in accordance with the mitigation monitoring and Reporting Program (MMRP) detailed in Section V.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the Mitigated Negative Declaration. The project would not result in any new significant impact, nor would a substantial increase in the severity of impacts from that described in the Mitigated Negative Declaration result.

Paleontological Resources

The Citywide Pipelines Project MND No. 255100 analyzed paleontological resources in relation to pipeline projects, which included mitigation to reduce impacts to paleontological resources to below a level of significance. The project area is underlain by geologic formations that, with respect to paleontological fossil resource potential, are assigned a moderate to high sensitivity rating. Based on the proposed excavations in sensitive formations, construction of Pipeline Rehab AY-1 could result in potentially significant impacts to fossil resources.

To reduce potential impacts to below a level of significance, excavation within previously undisturbed formations at a depth of 10 or more feet, for new manholes, would be monitored by a qualified paleontologist or paleontological monitor. Any significant paleontological resources encountered would be recovered and curated in accordance with the mitigation monitoring and Reporting Program (MMRP) detailed in Section VI.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the Mitigated Negative Declaration. The project would not result in any new significant impact, nor would a substantial increase in the severity of impacts from that described in the Mitigated Negative Declaration result.

VI. MITIGATION, MONITORING, AND REPORTING PROGRAM (MMRP) INCORPORATED INTO THE PROJECT

Cultural Resources (Archaeology)

I. Prior to Permit Issuance or Bid Opening/Bid Award

A. Entitlements Plan Check

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Archaeological Monitoring and Native American monitoring have been noted on the applicable construction documents through the plan check process.

B. Letters of Qualification have been submitted to ADD

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

II. Prior to Start of Construction

A. Verification of Records Search

1. The PI shall provide verification to MMC that a site-specific records search (1/4 mile radius) has been completed. Verification includes, but is not limited to a copy of a confirmation letter from South Coastal Information Center, or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.
3. The PI may submit a detailed letter to MMC requesting a reduction to the ¼ mile radius.

B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate,

and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.

- a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
3. Identify Areas to be Monitored
 - a. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
 - b. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
 - c. MMC shall notify the PI that the AME has been approved.
4. When Monitoring Will Occur
 - i. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
 - ii. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
5. Approval of AME and Construction Schedule
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
 1. The Archaeological Monitor shall be present fulltime during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.
 2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are

encountered during the Native American consultant/monitor's absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.

3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
 4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSVSR). The CSVSR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
 2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
 3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
 4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.
- C. Determination of Significance
1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
 - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
 - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.
 - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
 - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the

Final Monitoring Report. The letter shall also indicate that that no further work is required.

- (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
- (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.

D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:

1. Procedures for documentation, curation and reporting
 - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
 - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
 - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
 - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

IV. Discovery of Human Remains

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken:

A. Notification

1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

B. Isolate discovery site

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.

C. If Human Remains **ARE** determined to be Native American

1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
 - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
 - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
 - c. To protect these sites, the landowner shall do one or more of the following:
 - (1) Record the site with the NAHC;
 - (2) Record an open space or conservation easement; or
 - (3) Record a document with the County.
 - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.

D. If Human Remains are **NOT** Native American

1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.

2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of Man.

IV. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
 1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
 2. The following procedures shall be followed.
 - a. No Discoveries
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSVr and submit to MMC via fax by 8AM of the next business day.
 - b. Discoveries
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV - Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
 - c. Potentially Significant Discoveries
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.
 - d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
 2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

V. Post Construction

- A. Submittal of Draft Monitoring Report
 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.
 - a. For significant archaeological resources encountered during monitoring, the

Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.

b. Recording Sites with State of California Department of Parks and Recreation
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.

2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
4. MMC shall provide written verification to the PI of the approved report.
5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.

B. Handling of Artifacts

1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.

C. Curation of artifacts: Accession Agreement and Acceptance Verification

1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.
5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.

D. Final Monitoring Report(s)

1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

Paleontological Resources

I. Prior to Permit Issuance or Bid Opening/Bid Award

A. Entitlements Plan Check

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Paleontological Monitoring have been noted on the appropriate construction documents.

B. Letters of Qualification have been submitted to ADD

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
3. Prior to the start of work, the applicant shall obtain approval from MMC for any personnel changes associated with the monitoring program.

II. Prior to Start of Construction

A. Verification of Records Search

1. The PI shall provide verification to MMC that a site specific records search has been completed. Verification includes, but is not limited to a copy of a confirmation letter from San Diego Natural History Museum, other institution or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.

B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring, the Applicant shall arrange a Precon Meeting that shall include the PI, Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Paleontological Monitoring program with the Construction Manager and/or Grading Contractor.
 - a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the paleontological monitoring program.
3. Identify Areas to be Monitored
 - a. Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17) to MMC for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or as determined by the PI in consultation with MMC. The determination shall

be based on site specific records search data which supports monitoring at depths less than ten feet. Please Note: Monitoring for this project has been identified for all ground disturbing activities that is limited to areas of the project with previously undisturbed soils.

- b. The PME shall be based on the results of a site specific records search as well as information regarding existing known soil conditions (native or formation).
 - c. MMC shall notify the PI that the PME has been approved.
4. When Monitoring Will Occur
- a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
 - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.
5. Approval of PME and Construction Schedule
- After approval of the PME by MMC, the PI shall submit to MMC written authorization of the PME and Construction Schedule from the CM.

III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
1. The monitor shall be present fulltime during grading/excavation/trenching activities including, but not limited to mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the PME.**
 2. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.
 3. The monitor shall document field activity via the Consultant Site Visit Record (CSVr). The CSVr's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Paleontological Monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery

- and immediately notify the RE or BI, as appropriate.
- 2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
- 3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.

C. Determination of Significance

- 1. The PI shall evaluate the significance of the resource.
 - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required. The determination of significance for fossil discoveries shall be at the discretion of the PI.
 - b. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC, MC and/or RE. PRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume.

(1) Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."

- c. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.
- d. The PI shall submit a letter to MMC indicating that fossil resources will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.

(2) Note: For Pipeline Trenching Projects Only. If the fossil discovery is limited in size, both in length and depth; the information value is limited and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.

(3) Note for Pipeline Trenching Projects Only: If significance cannot be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.

D. Discovery Process for Significant Resources - Pipeline Trenching Projects

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance.

- 1. Procedures for documentation, curation and reporting
 - a. One hundred percent of the fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of

- excavation (trench walls) shall be left intact and so documented.
- b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
- c. The PI shall be responsible for recording (on the appropriate forms for the San Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines. The forms shall be submitted to the San Diego Natural History Museum and included in the Final Monitoring Report.
- d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

IV. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
 - 1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
 - 2. The following procedures shall be followed.
 - a. No Discoveries

In the event that no discoveries were encountered during night and/or weekend work, The PI shall record the information on the CSVR and submit to MMC via the RE via fax by 8AM on the next business day.
 - b. Discoveries

All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction.
 - c. Potentially Significant Discoveries

If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction shall be followed.
 - d. The PI shall immediately contact the RE and MMC, or by 8AM on the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
 - 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
 - 2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

IV. Post Construction

- A. Preparation and Submittal of Draft Monitoring Report
 - 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Paleontological Guidelines which describes the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring,
 - a. For significant paleontological resources encountered during monitoring, the Paleontological Recovery Program or Pipeline Trenching Discovery

Process shall be included in the Draft Monitoring Report.

b. Recording Sites with the San Diego Natural History Museum

The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines, and submittal of such forms to the San Diego Natural History Museum with the Final Monitoring Report.

2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
 3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
 4. MMC shall provide written verification to the PI of the approved report.
 5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Fossil Remains
1. The PI shall be responsible for ensuring that all fossil remains collected are cleaned and catalogued.
- C. Curation of artifacts: Deed of Gift and Acceptance Verification
1. The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an appropriate institution.
 2. The PI shall submit the Deed of Gift and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
 3. The RE or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.
 4. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit two copies of the Final Monitoring Report to MMC (even if negative), within 90 days after notification from MMC of the approved report.
 2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

VII. IMPACT SIGNIFICANCE

The MND identified that all impacts would be mitigated to below a level of significance through mitigation. This Addendum also identifies that all significant project impacts would be mitigated to below a level of significance, consistent with the previously certified MND.

VIII. CERTIFICATION

Copies of the addendum, the adopted MND, the Mitigation Monitoring and Reporting Program, and associated project-specific technical appendices, if any, may be reviewed in the office of the Development Services Department, or purchased for the cost of reproduction.



Sara Osborn, ACIP
Senior Planner
Development Services Department

4.28.2020

Date of the Final Report

Analyst: Rachael Ferrell

Attachments:

Location Maps

Mitigated Negative Declaration No. 255100/SCH No. 2011091045

The Addendum to Mitigated Negative Declaration No. 255100 was not circulated for public review pursuant to San Diego Municipal Code (SDMC) Chapter 6, Article 9, Paragraph 69.0211 (Addenda to Environmental Reports). The final Addendum was distributed to the following City of San Diego staff members for informational purposes in accordance with CEQA Section 15164.

DISTRIBUTION:

City of San Diego

Development Services

Catherine Rom, Development Project Manager

Rachael Ferrell, Environmental Analysis

Sam Johnson, MMC

Public Works

Gretchen Eicher, Senior Planner

Nirvana Ward, Associate Planner

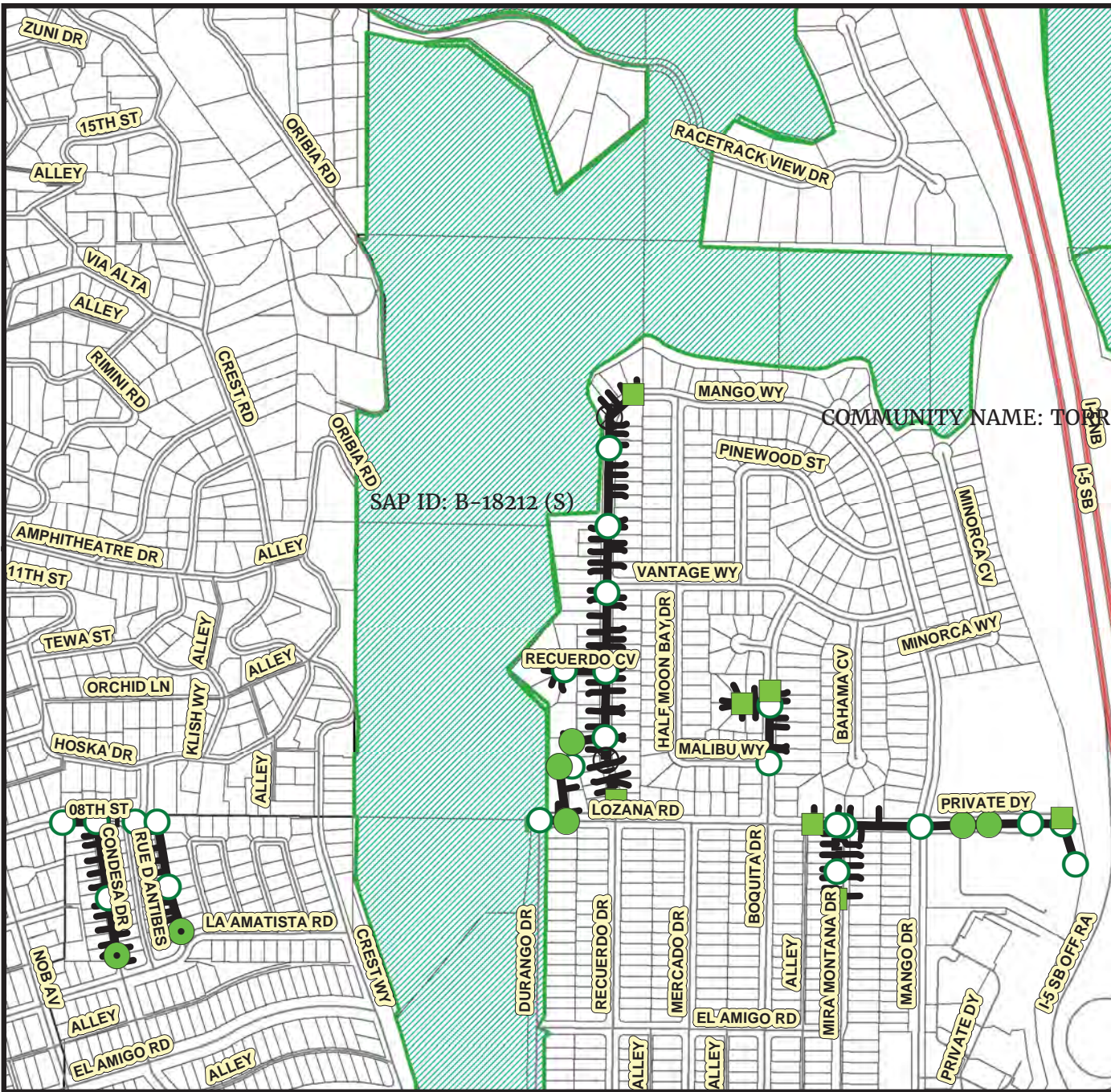
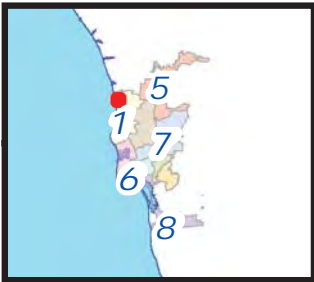
PIPELINE REHABILITATION AY-1
1 OF 6

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@saniego.gov



COMMUNITY NAME: TORREY PINES

SAP ID: B-18212 (S)

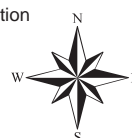
Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed Lateral Rehabilitation
- MHPA

Date: June 14, 2019

COUNCIL DISTRICT: 1

LOCATION MAP



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

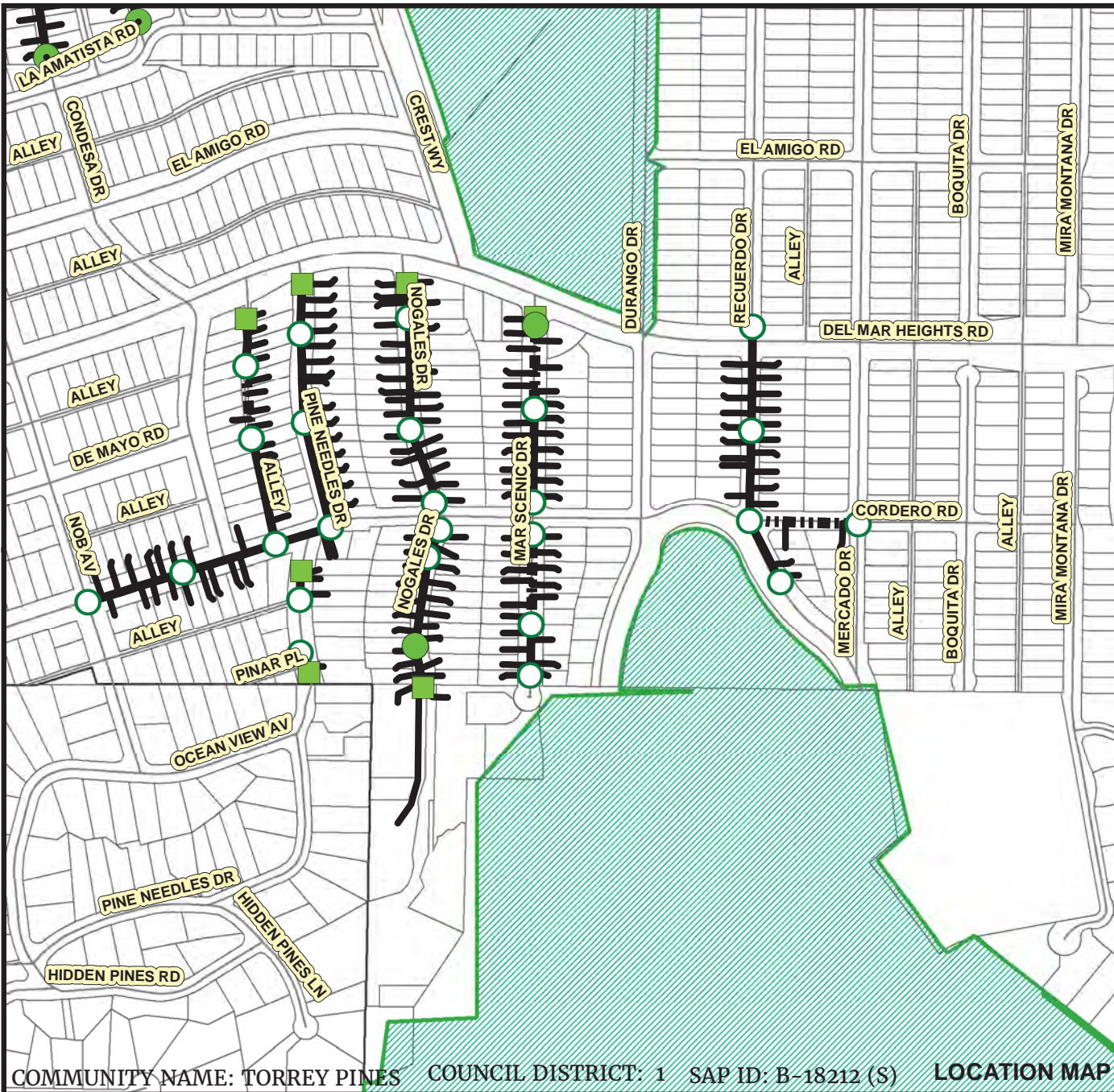
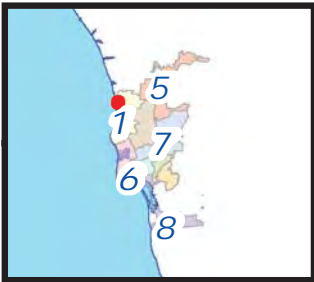
PIPELINE REHABILITATION AY-1
2 OF 6

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JONARD TALAMAYAN
619-533-4116









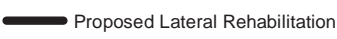

PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461

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

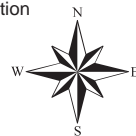


COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S) LOCATION MAP

Legend

-  Proposed MH Rehabilitation
-  Proposed MH Rehabilitation w/ Point Repair
-  Proposed MH Replacement
-  Proposed New Manhole
-  Proposed Cleanout
-  Existing Manhole
-  Proposed Pipeline Rehabilitation
-  Proposed Pipeline Rehabilitation w/ Point Repair
-  Proposed Lateral Rehabilitation
-  MHPA

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

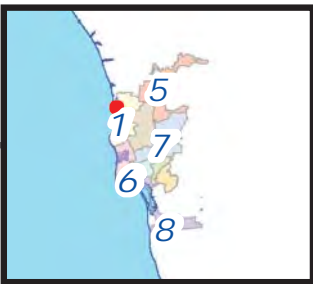
PIPELINE REHABILITATION AY-1
3 OF 6

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@saniego.gov



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

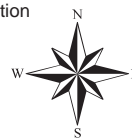
Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanup
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

Date: June 14, 2019

LOCATION MAP

- Floodplain 100
- Floodway 100
- MHPA
- Proposed Lateral Rehabilitation



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

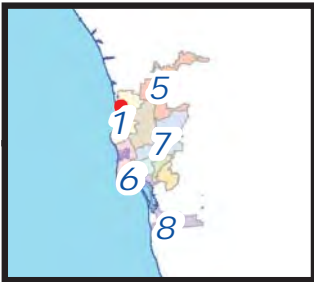
PIPELINE REHABILITATION AY-1
4 OF 6

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

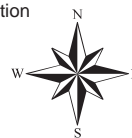


Legend

- | | | | | | |
|--|--|--|--|--|---------------------------------|
| | Proposed MH Rehabilitation | | Proposed Cleanout | | Proposed Lateral Rehabilitation |
| | Proposed MH Rehabilitation w/ Point Repair | | Existing Manhole | | Floodplain 100 |
| | Proposed MH Replacement | | Proposed Pipeline Rehabilitation w/ Point Repair | | Floodway 100 |
| | Proposed New Manhole | | MHPA | | |

Date: June 14, 2019

LOCATION MAP



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

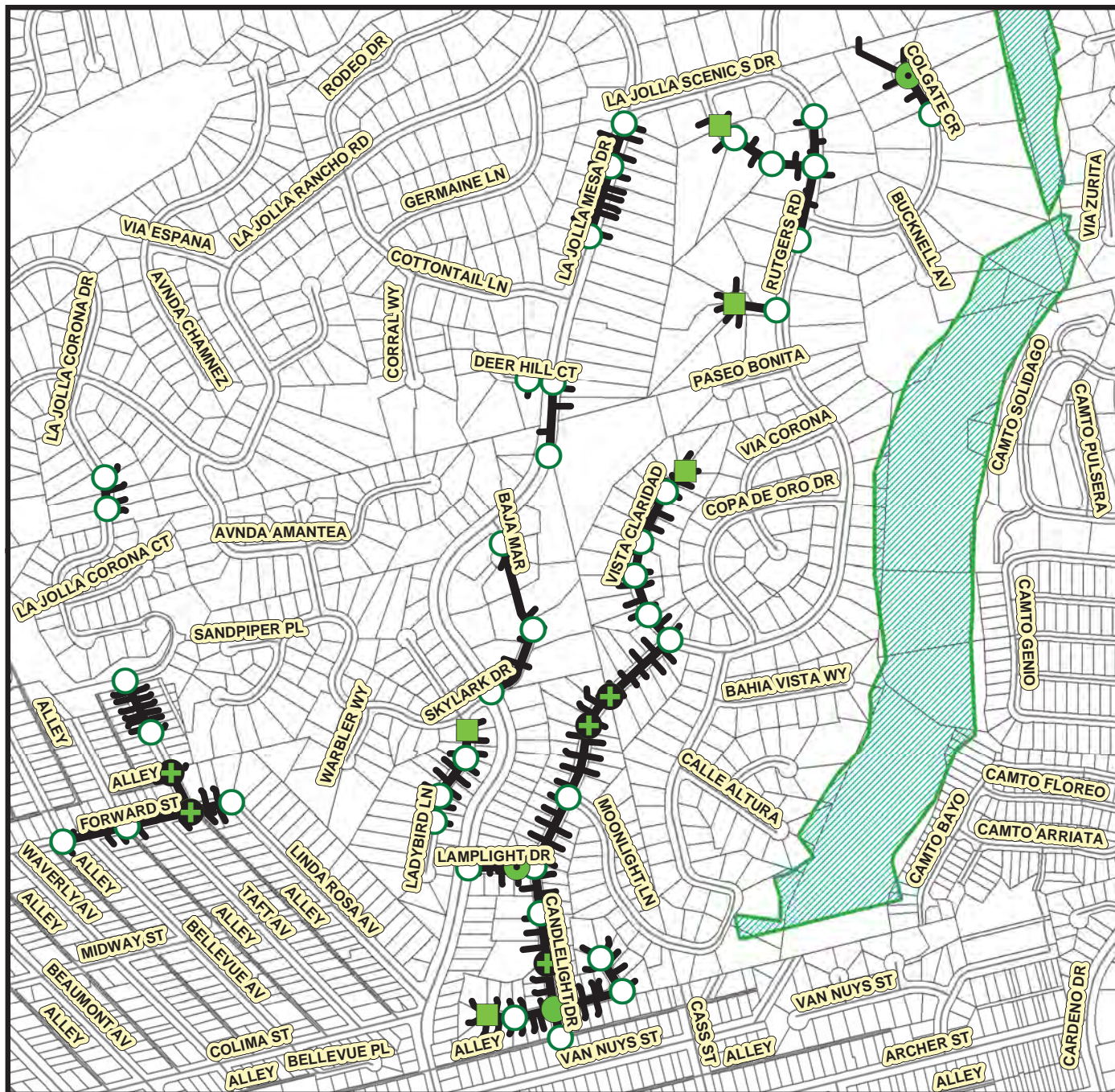
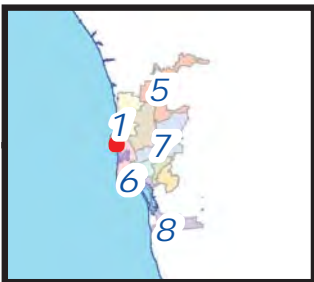
PIPELINE REHABILITATION AY-1
5 OF 6

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

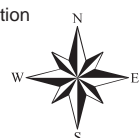


Legend COMMUNITY NAME: LA JOLLA COUNCIL DISTRICT: 1 LOCATION MAP

- Proposed MH Rehabilitation
- Proposed Cleanout
- Proposed Lateral Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Existing Manhole
- MHPA
- Proposed MH Replacement
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

SAP ID: B-18212 (S)

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

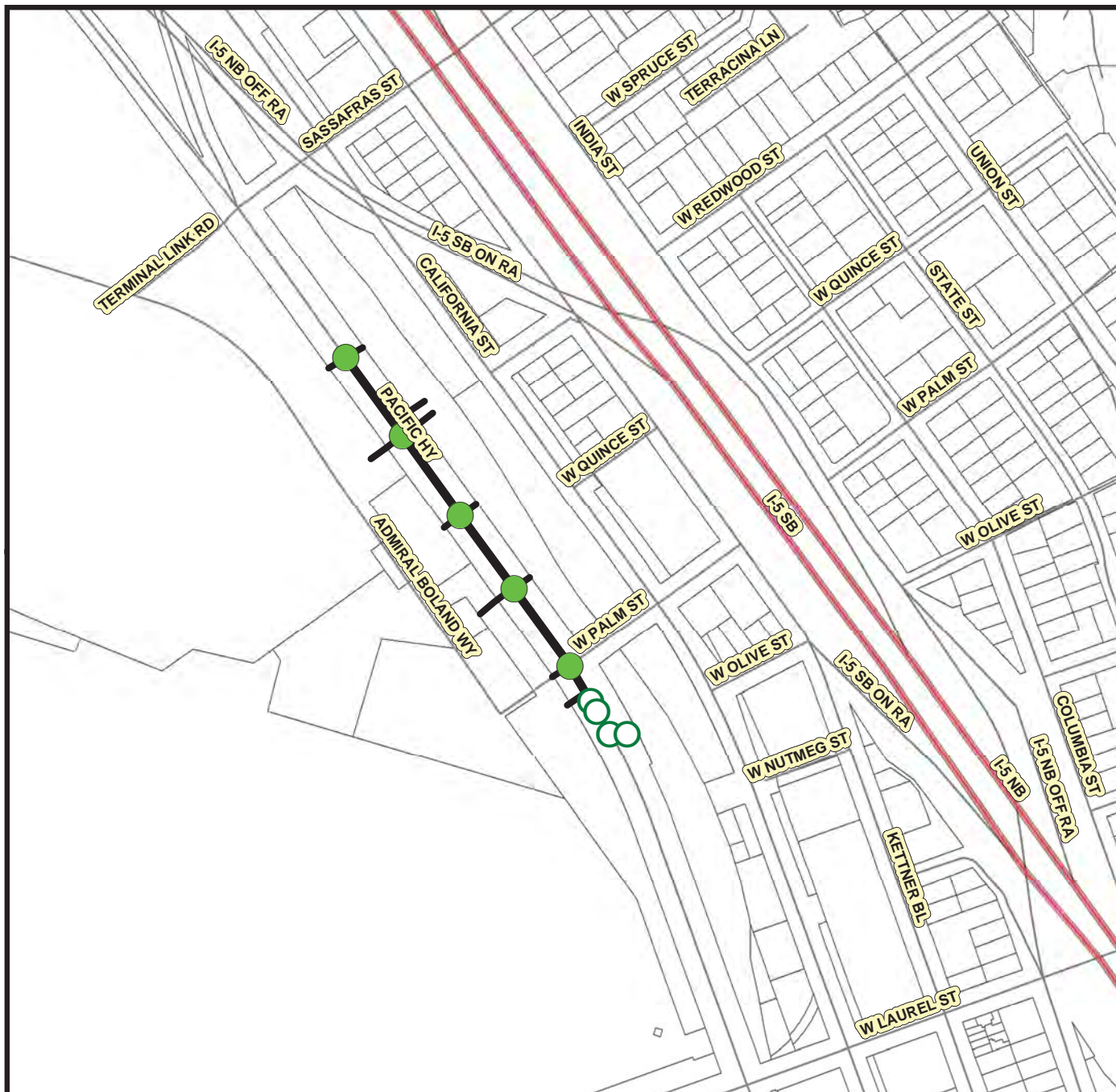
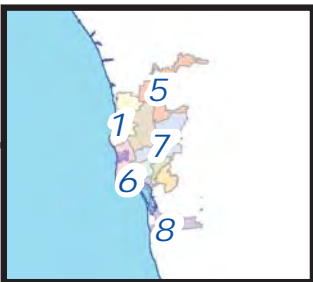
PIPELINE REHABILITATION AY-1
6 OF 6

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JONARD TALAMAYAN
619-533-4116

PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461






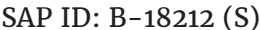


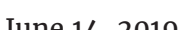


FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDieg. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

COMMUNITY NAME: MIDWAY-PACIFIC HIGHWAY COUNCIL DISTRICT: 2 LOCATION MAP

Legend

-  Proposed MH Rehabilitation
-  Proposed Cleanout
-  Proposed Lateral Rehabilitation
-  Proposed MH Rehabilitation w/ Point Repair
-  Existing Manhole
-  SAP ID: B-18212 (S)
-  Proposed MH Replacement
-  Proposed Pipeline Rehabilitation
-  June 14, 2019
-  Proposed New Manhole
-  Proposed Pipeline Rehabilitation w/ Point Repair



APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

- 1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

- 3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any 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.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 6 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as “Hotline”), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter’s relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a “Notice of Discontinuation of Service” (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 7 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 8 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 9 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

7. **FEE AND DEPOSIT SCHEDULES**

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. 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.

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

- 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>			

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16-inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. 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 down drains, 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 MAPS

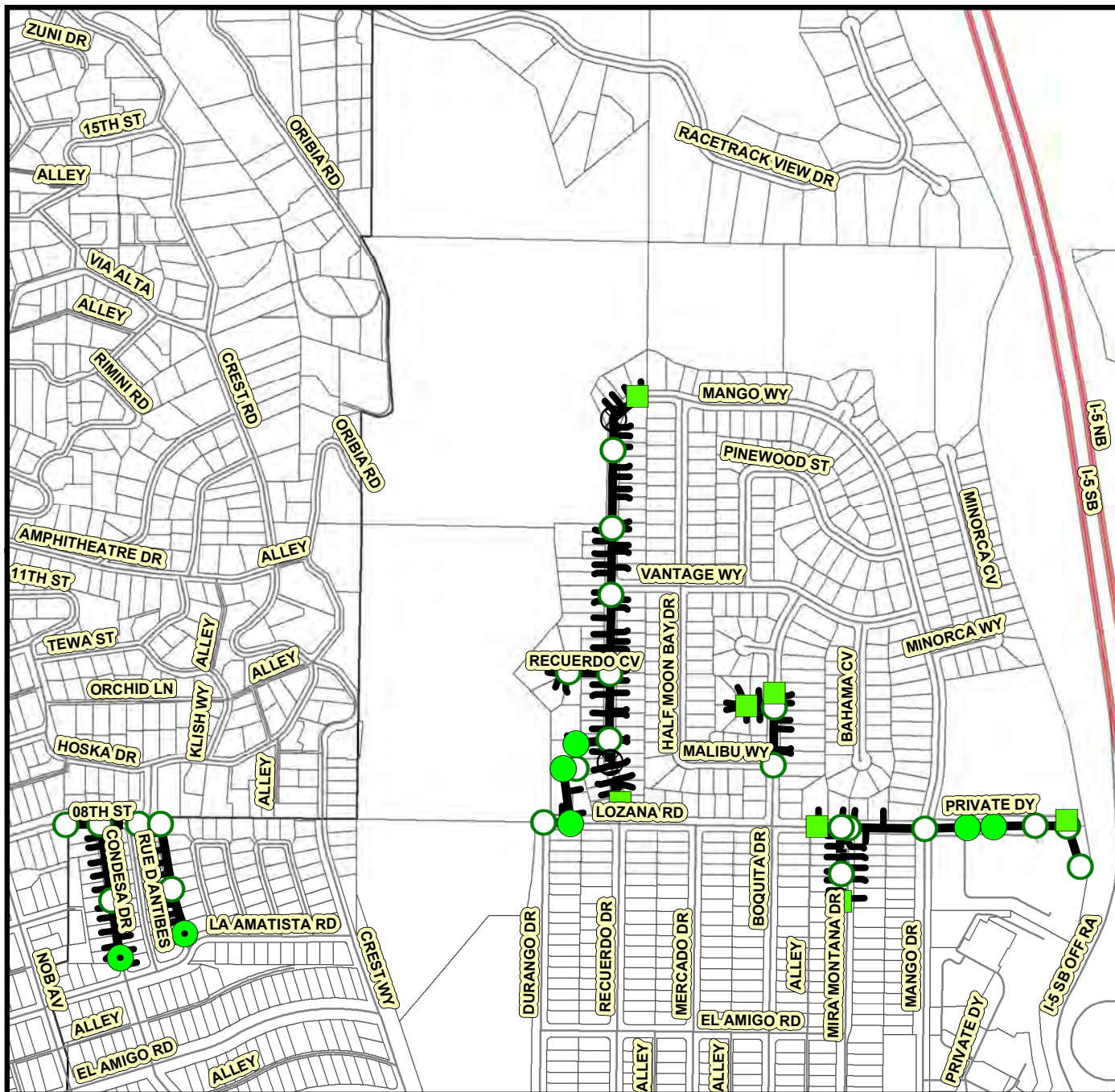
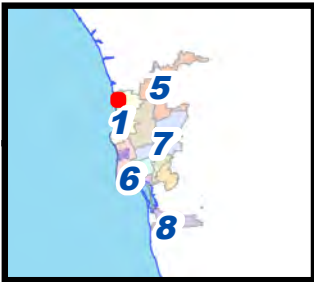
PIPELINE REHABILITATION AY-1
1 OF 6

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@saniego.gov

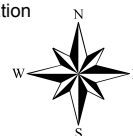


Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

LOCATION MAP

Proposed Lateral Rehabilitation



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

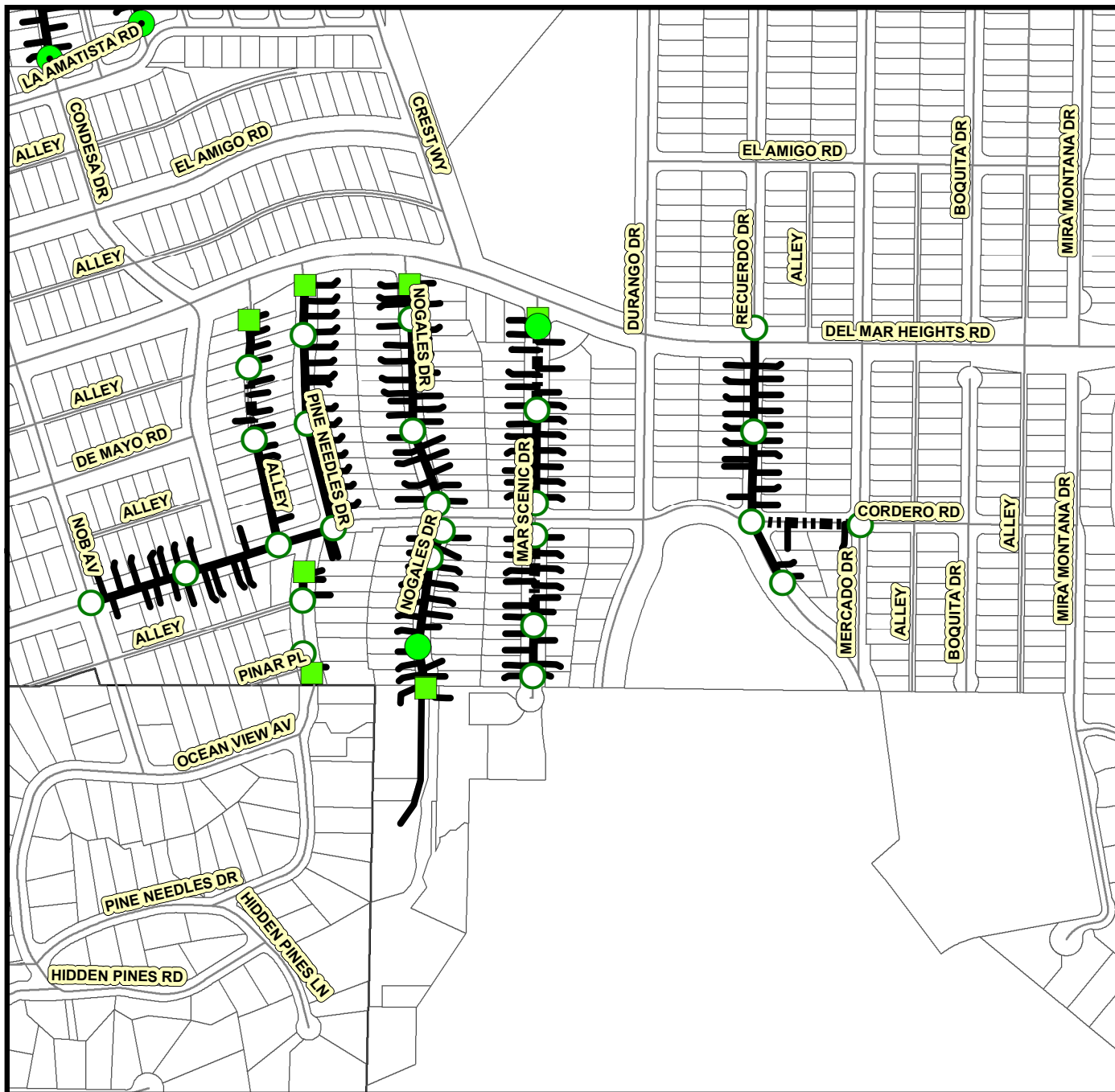
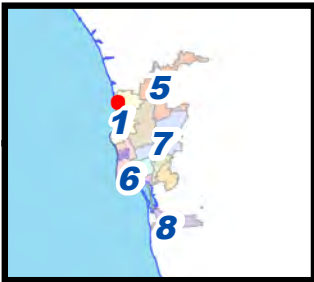
PIPELINE REHABILITATION AY-1
2 OF 6

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



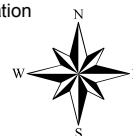
Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

LOCATION MAP

— Proposed Lateral Rehabilitation

Date: June 14, 2019



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

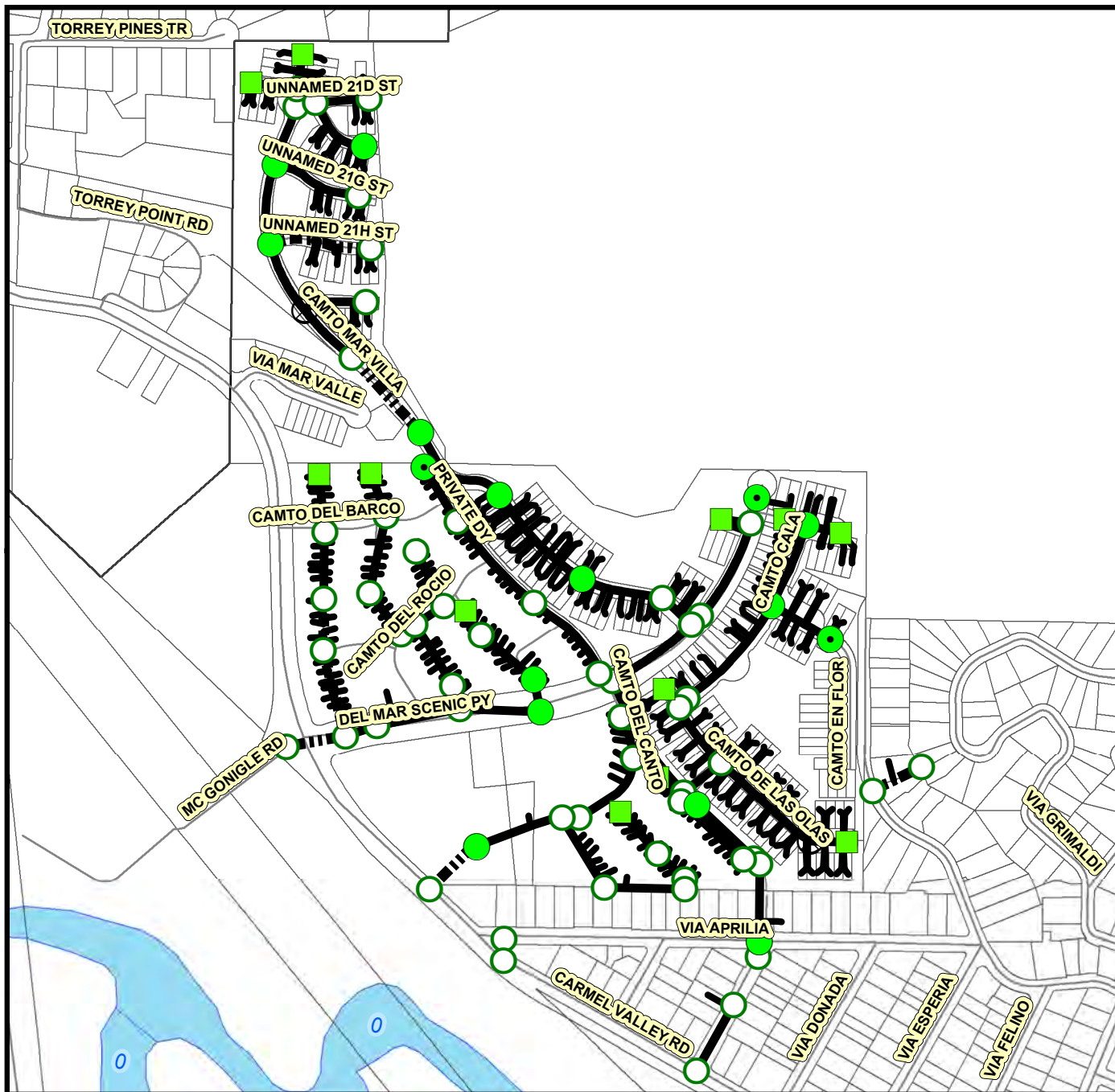
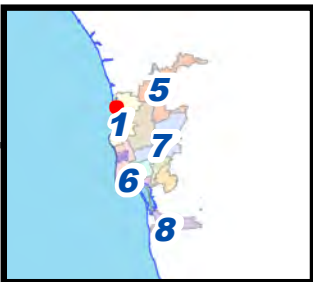
PIPELINE REHABILITATION AY-1
3 OF 6

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

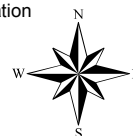


Legend

- Proposed MH Rehabilitation
- ⊕ Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed Lateral Rehabilitation

LOCATION MAP

Date: June 14, 2019



COMMUNITY NAME: TORREY PINES

COUNCIL DISTRICT: 1

SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

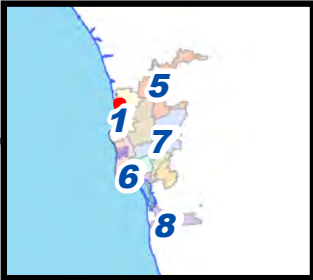
PIPELINE REHABILITATION AY-1
4 OF 6

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

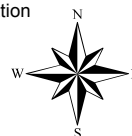


Legend

- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed MH Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed Lateral Rehabilitation

Date: June 14, 2019

LOCATION MAP



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

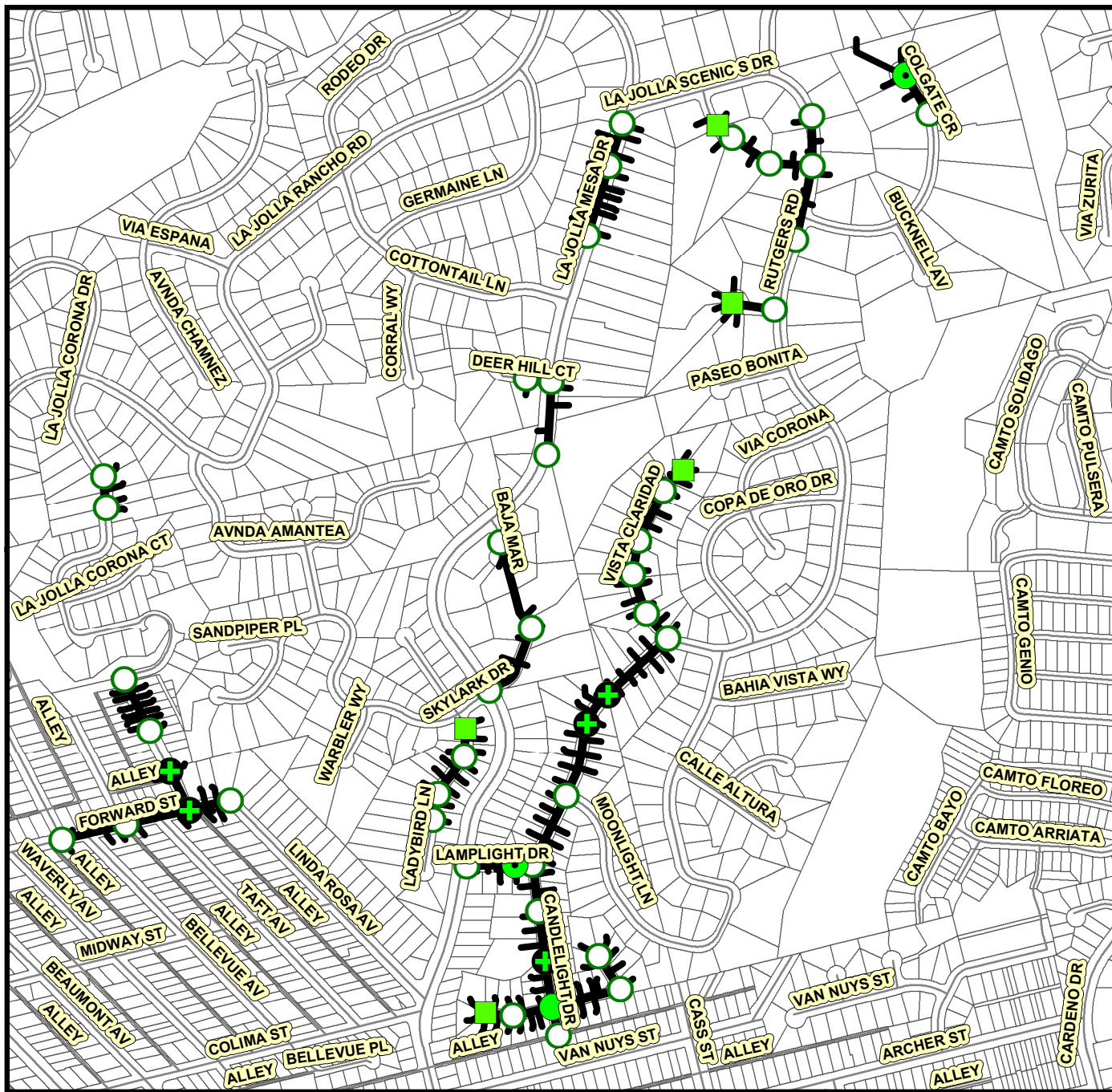
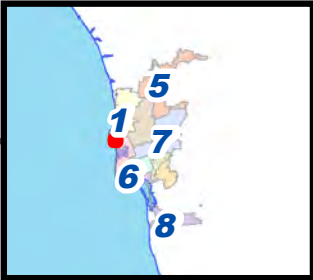
PIPELINE REHABILITATION AY-1
5 OF 6

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



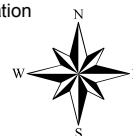
Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

LOCATION MAP

Proposed Lateral Rehabilitation

Date: June 14, 2019



COMMUNITY NAME: LA JOLLA COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

APPENDIX F
ADJACENT PROJECT MAPS

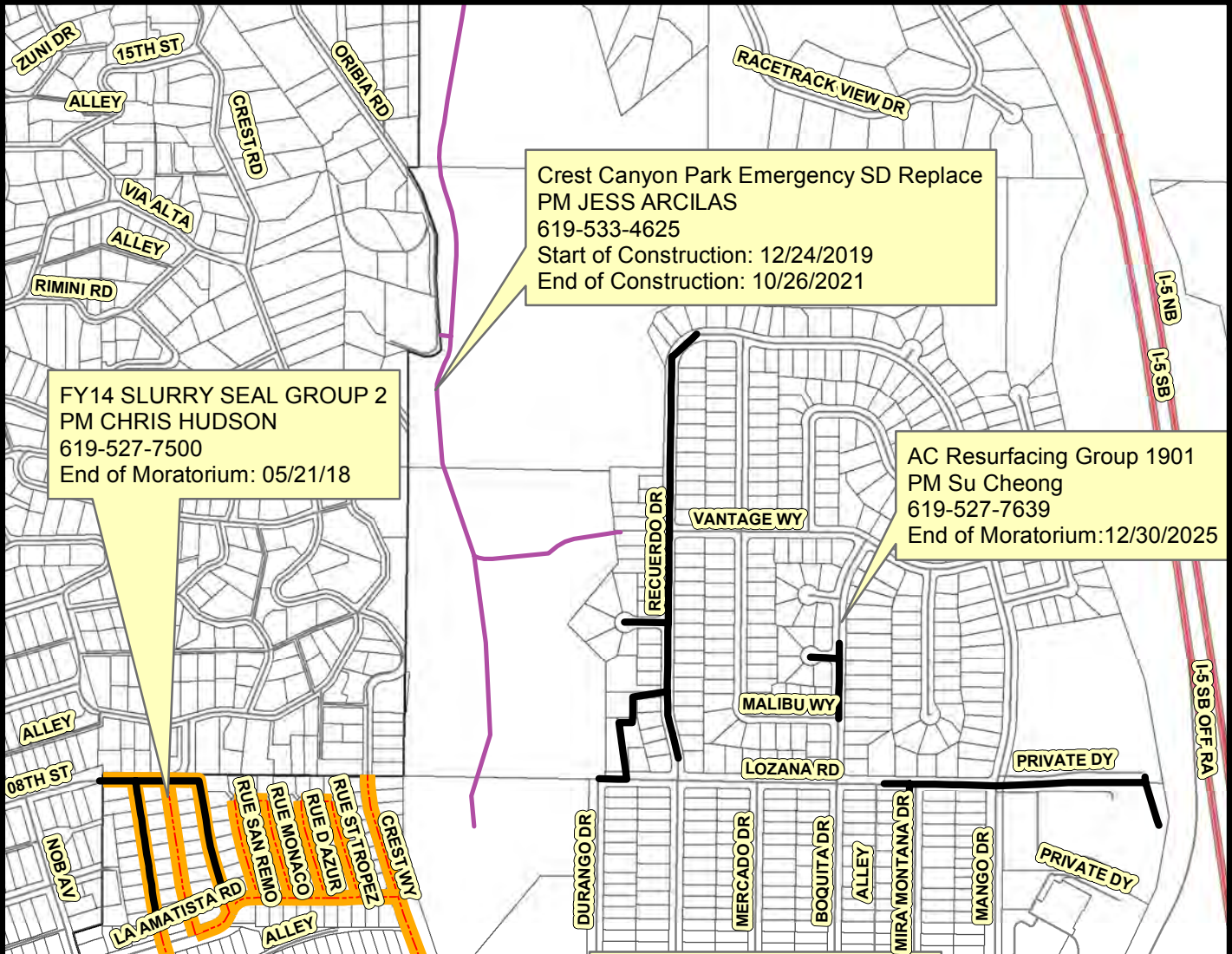
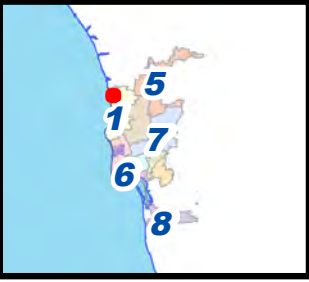
PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 1 OF 6

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



Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

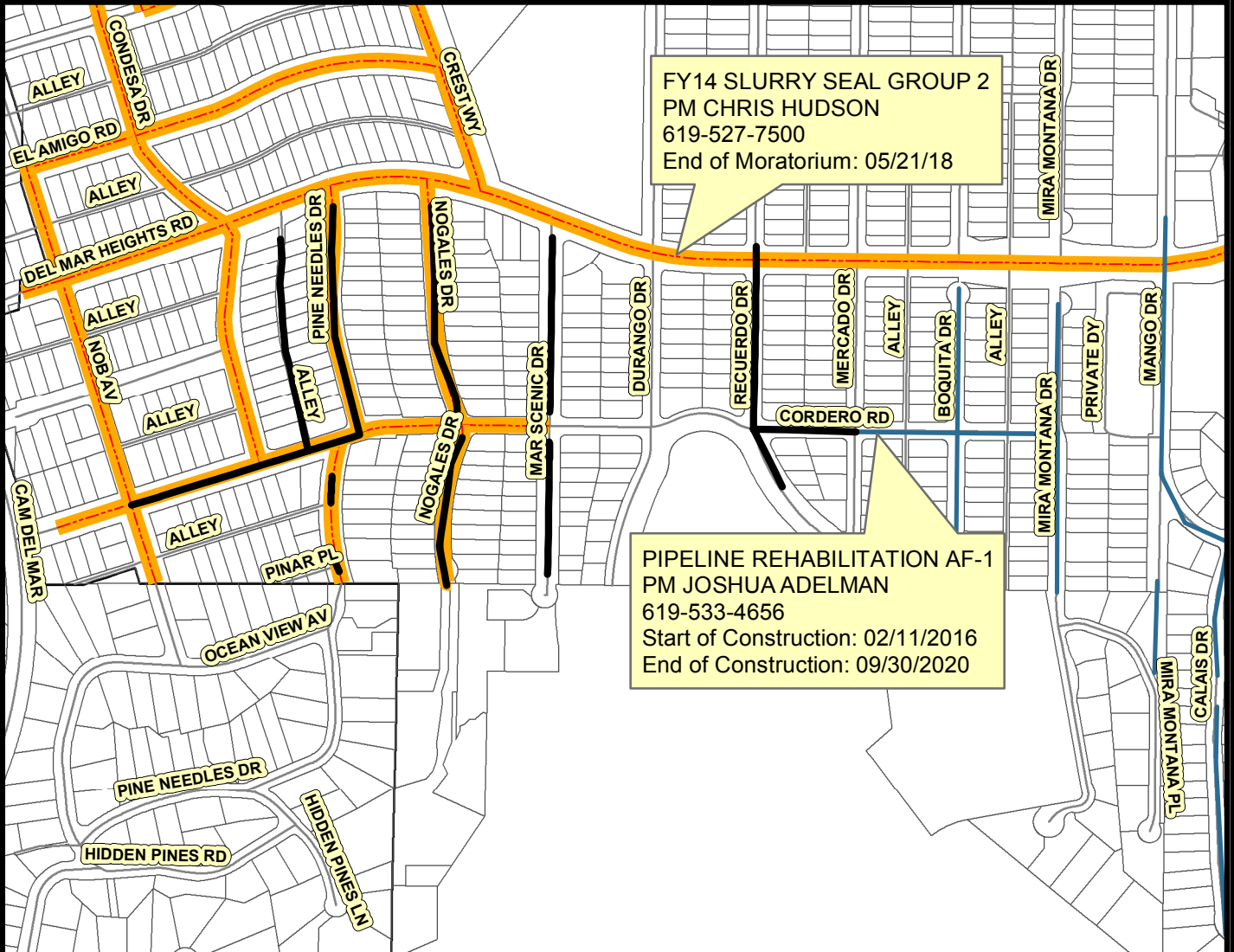
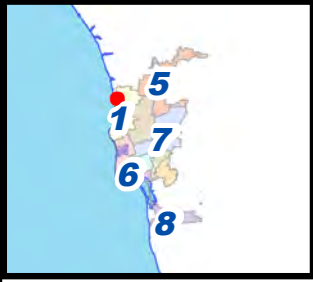
**PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 2 OF 6**

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



FY14 SLURRY SEAL GROUP 2
PM CHRIS HUDSON
619-527-7500
End of Moratorium: 05/21/18

PIPELINE REHABILITATION AF-1
PM JOSHUA ADELMAN
619-533-4656
Start of Construction: 02/11/2016
End of Construction: 09/30/2020

Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

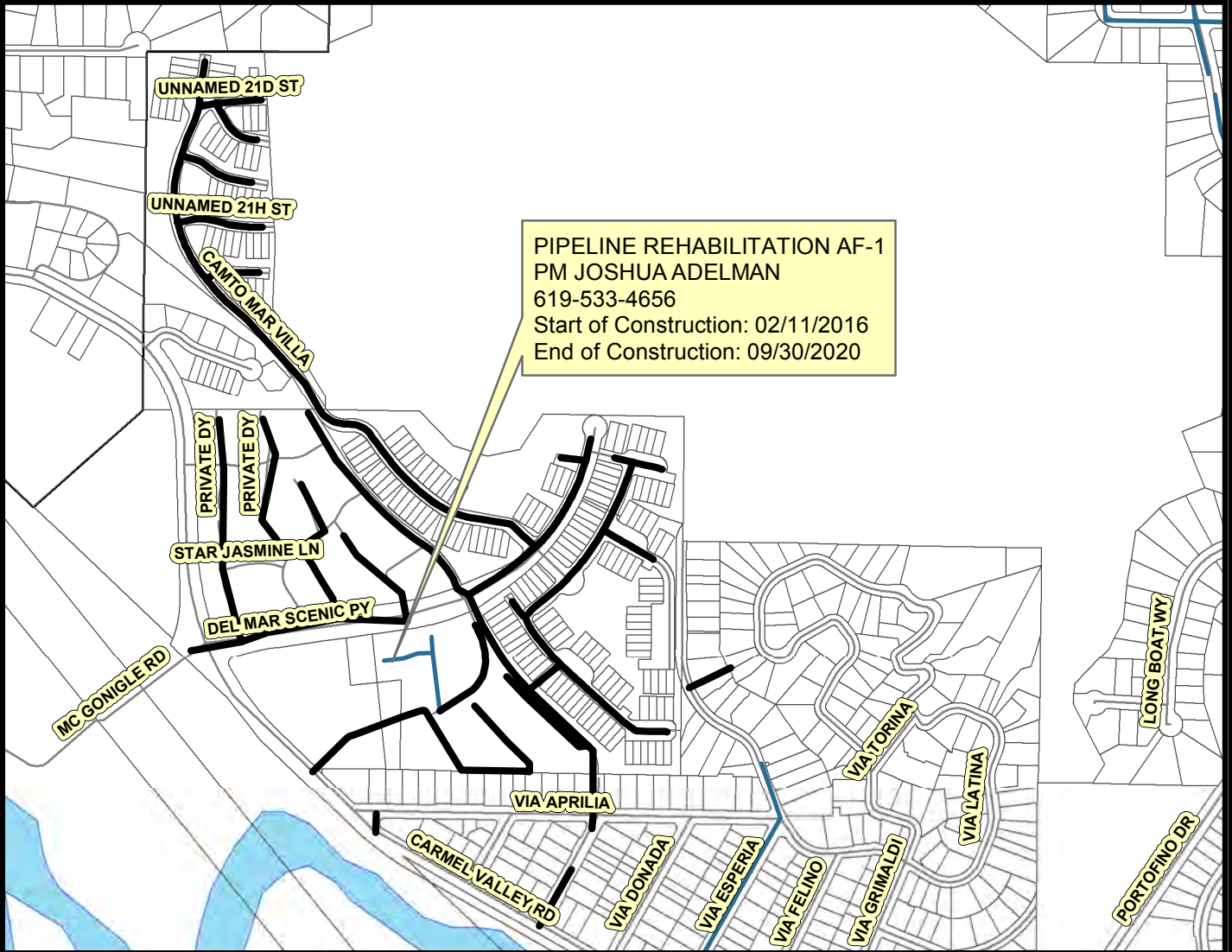
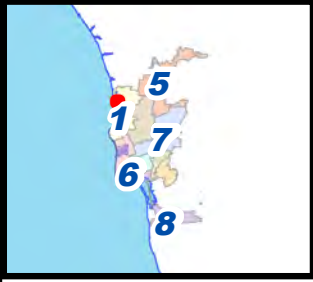
**PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 3 OF 6**

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



Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

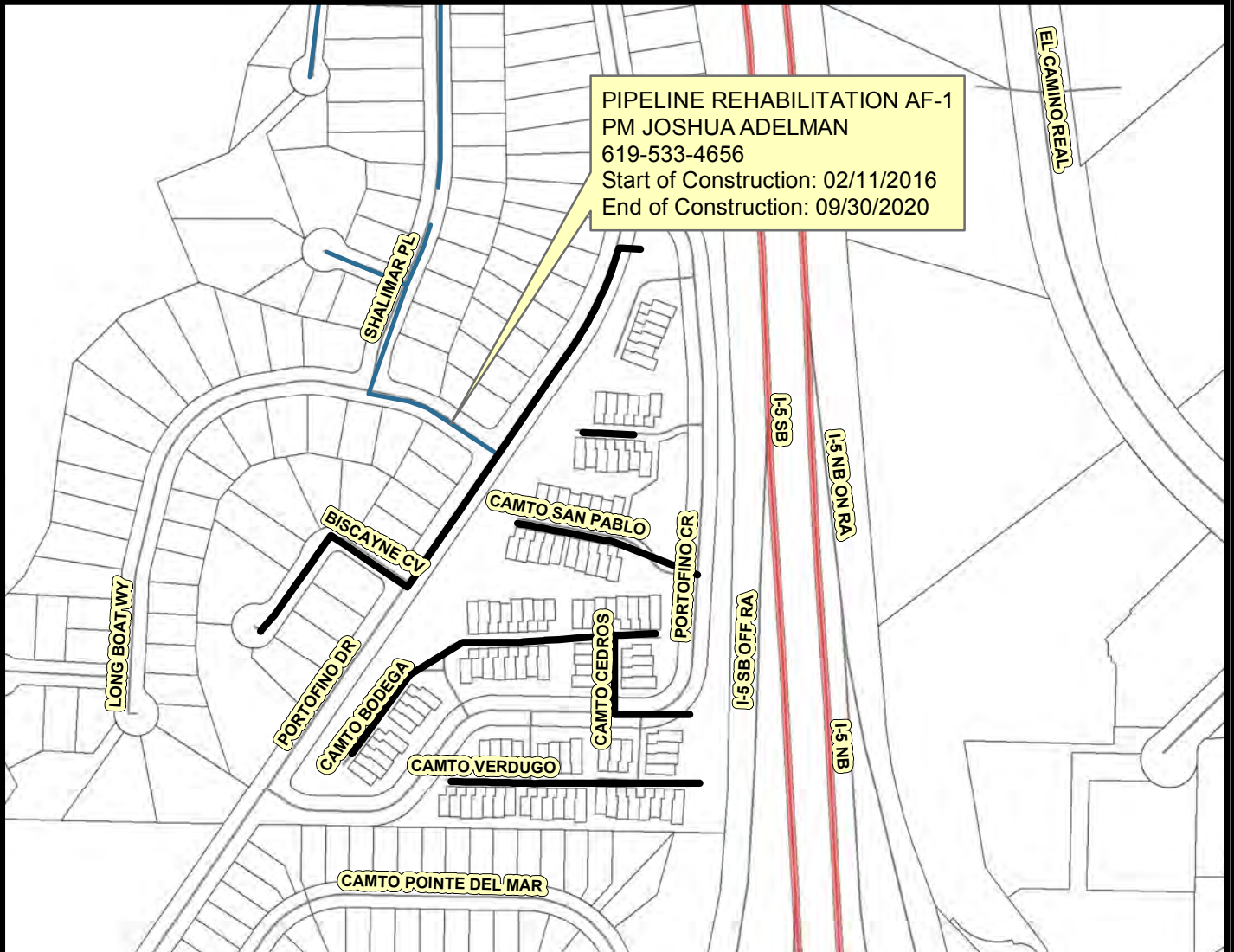
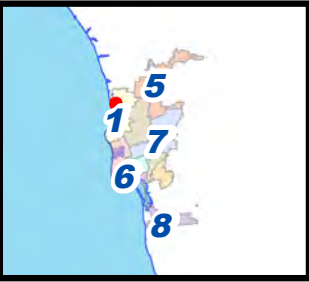
PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 4 OF 6

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



Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

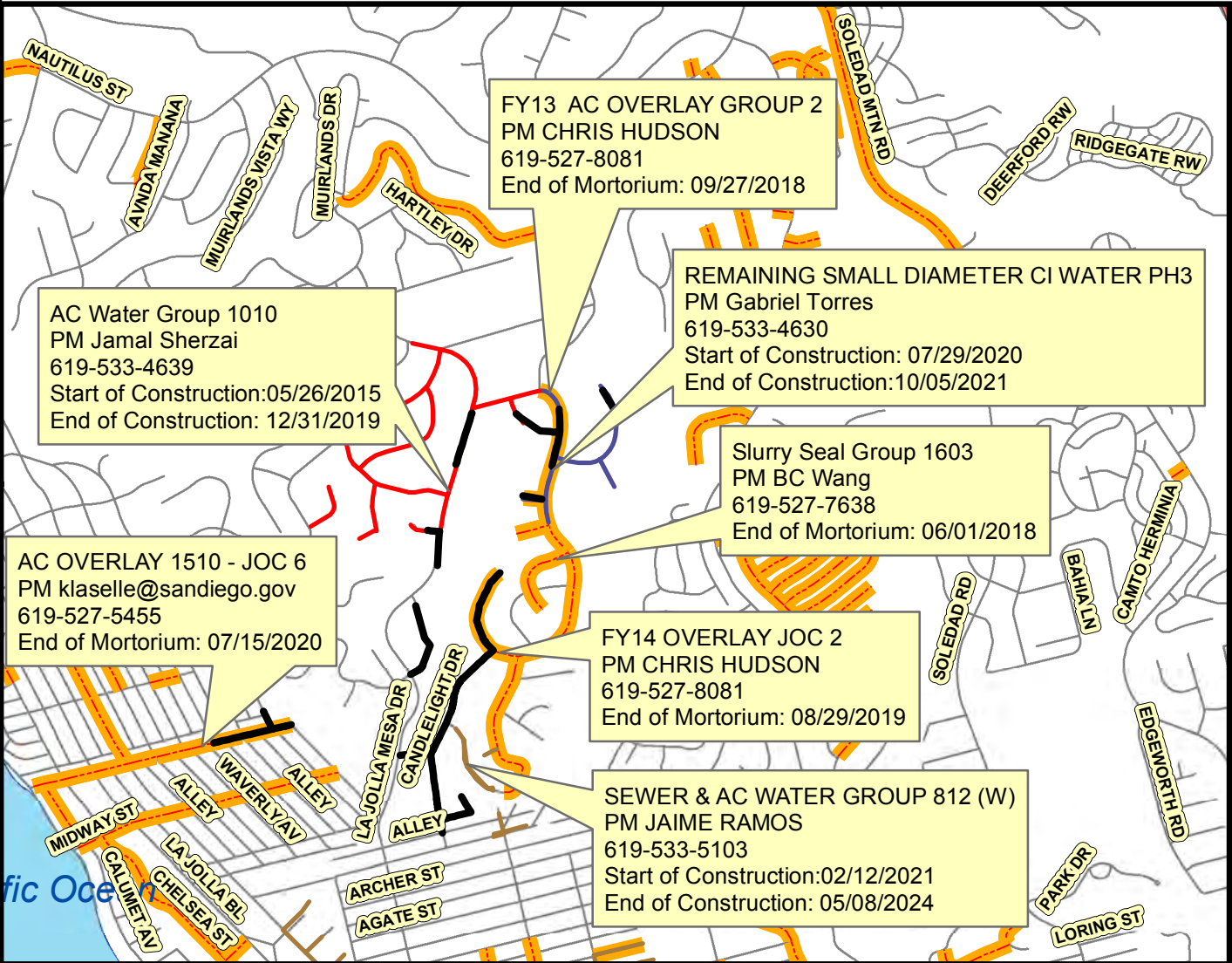
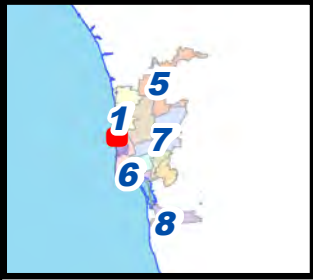
PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 5 OF 6

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



Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

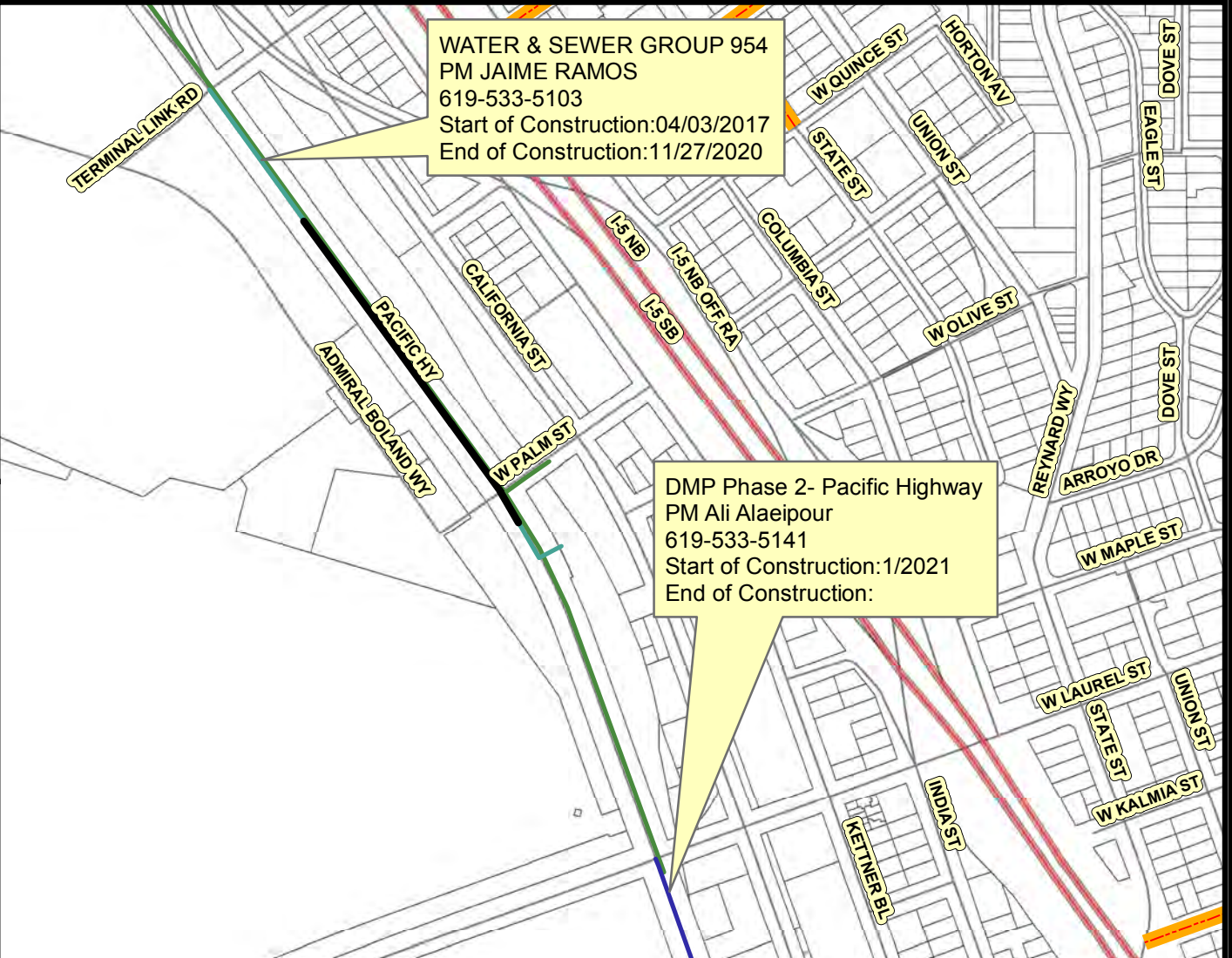
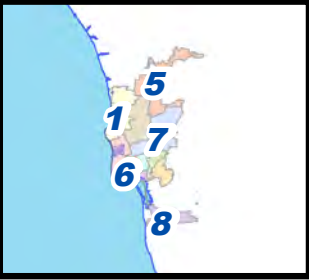
**PIPELINE REHABILITATION AY-1
ADJACENT PROJECT MAP 6 OF 6**

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



Legend

- Pipeline Rehabilitation AY-1
- AC Water Group 1010
- Crest Canyon Park Emergency SD Replace
- (DMP) Downtown Complete St Impl Phase 2
- Pipeline Rehabilitation AF1
- Remaining Small Diameter CI Water Ph 3
- Sewer and AC Water Group 812 (S)
- Water & Sewer Group 954 (S)
- Water & Sewer Group Job 954 (W)
- GS Streets - Overlay
- GS Streets - Slurry

Date: July 15, 2020



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to Sandag. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

APPENDIX G

SITE MAPS

TABLE OF CONTENTS

PAGE NO	DESCRIPTION
I	CONTRACTOR'S NOTE
II	KEY MAP
III	VICINITY MAP
1-16	GIS SITE MAPS
1-13	SURVEY MONUMENT PERPETUATION
1	REFERENCE AS-BUILT DRAWINGS

PIPELINE REHABILITATION AY-1

WORK TO BE DONE

CONSTRUCTION CONSISTS OF TRENCHLESS REHABILITATION 40623 LF (7.69 MILES) OF EXISTING 8-INCH & 10-INCH VITRIFIED CLAY PIPE (VCP) SEWER MAINS. THE PROJECT INCLUDES APPROXIMATELY 14 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 27 MANHOLES, REPLACEMENT OF 4 MANHOLES, REPAIR OF 5 MANHOLES, 9 NEW MANHOLES INSTALLED AND THE INSTALLATION OF 34 NEW MAIN LINES CLEANOUTS AND INSTALLATION OF SEWER LATERAL CLEANOUTS.

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.

CONTRACTOR'S NOTES

1. SEE SURVEY NOTES ON MONUMENT PERPETUATION SHEET.
2. CONTRACTOR STORM WATER PROTECTION NOTES
 - a. TOTAL SITE DISTURBANCE AREA (ACRES): 0.05 ACRES
 - b. HYDROLOGIC UNIT/WATERSHED: SAN DIEGUITO / SAN DIEGUITO
 - c. HYDROLOGIC SUBAREA NAME & NO. : RANCHO SANTA FE ; 905.11

 - a. TOTAL SITE DISTURBANCE AREA (ACRES): 0.05 ACRES
 - b. HYDROLOGIC UNIT/WATERSHED: PENASAQUITOS/LOS PEIIASQUITOS
 - c. HYDROLOGIC SUBAREA NAME & NO. : MIRAMAR RESERVOIRS ; 906.10

 - a. TOTAL SITE DISTURBANCE AREA (ACRES): 0.05 ACRES
 - b. HYDROLOGIC UNIT/WATERSHED: PENASAQUITOS/MISSION BAY
 - c. HYDROLOGIC SUBAREA NAME & NO. : SCRIPPS ; 906.3

 - a. TOTAL SITE DISTURBANCE AREA (ACRES): 0.05 ACRES
 - b. HYDROLOGIC UNIT/WATERSHED: PUEBLO SAN DIEGO /SAN DIEGO BAY
 - c. HYDROLOGIC SUBAREA NAME & NO. : LINDBERGH; 908.21
- d. 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

e. 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.

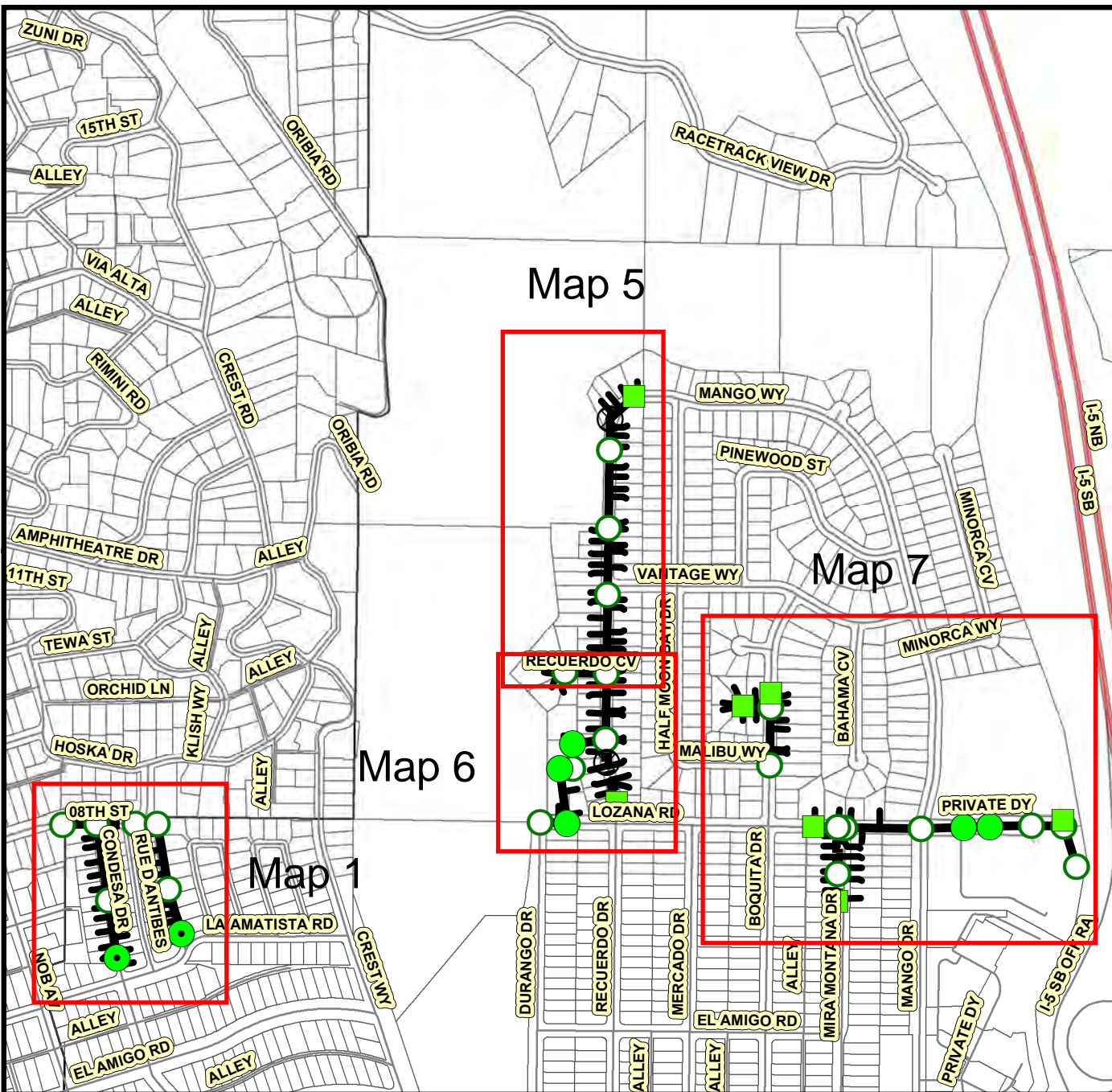
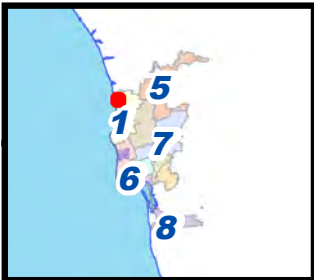
PIPELINE REHABILITATION AY-1
1 OF 6

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@san Diego.gov

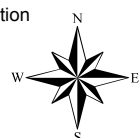


Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

KEY MAP

- Proposed Lateral Rehabilitation



Date: June 14, 2019

COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

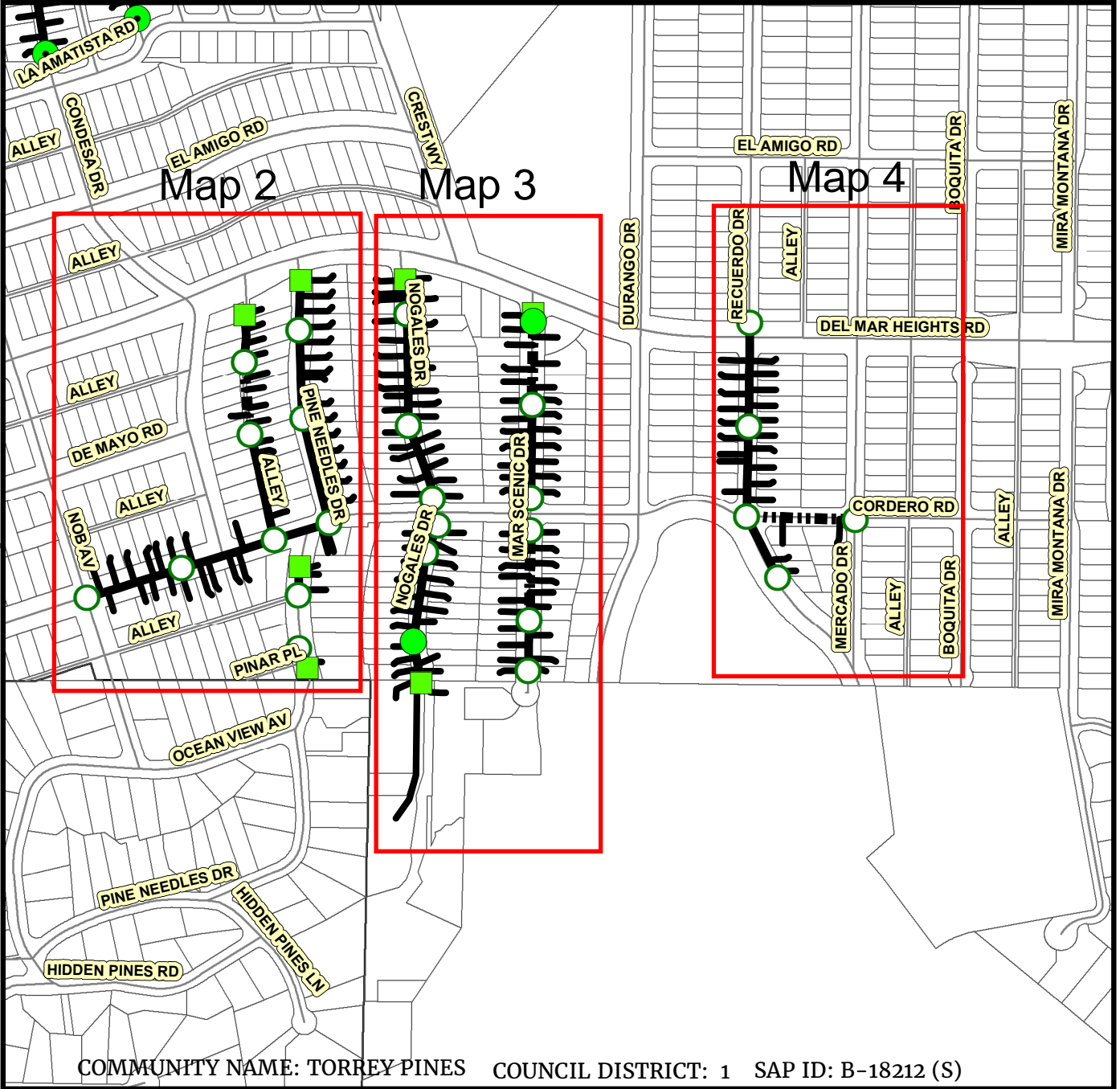
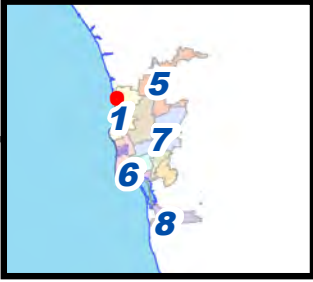
PIPELINE REHABILITATION AY-1
2 OF 6

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



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

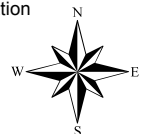
Legend

- Proposed MH Rehabilitation
- Proposed Cleanout
- ⊕ Proposed MH Rehabilitation w/ Point Repair
- Existing Manhole
- ⊗ Proposed MH Replacement
- Proposed Pipeline Rehabilitation
- Proposed New Manhole
- Proposed Pipeline Rehabilitation w/ Point Repair

KEY MAP

Proposed Lateral Rehabilitation

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

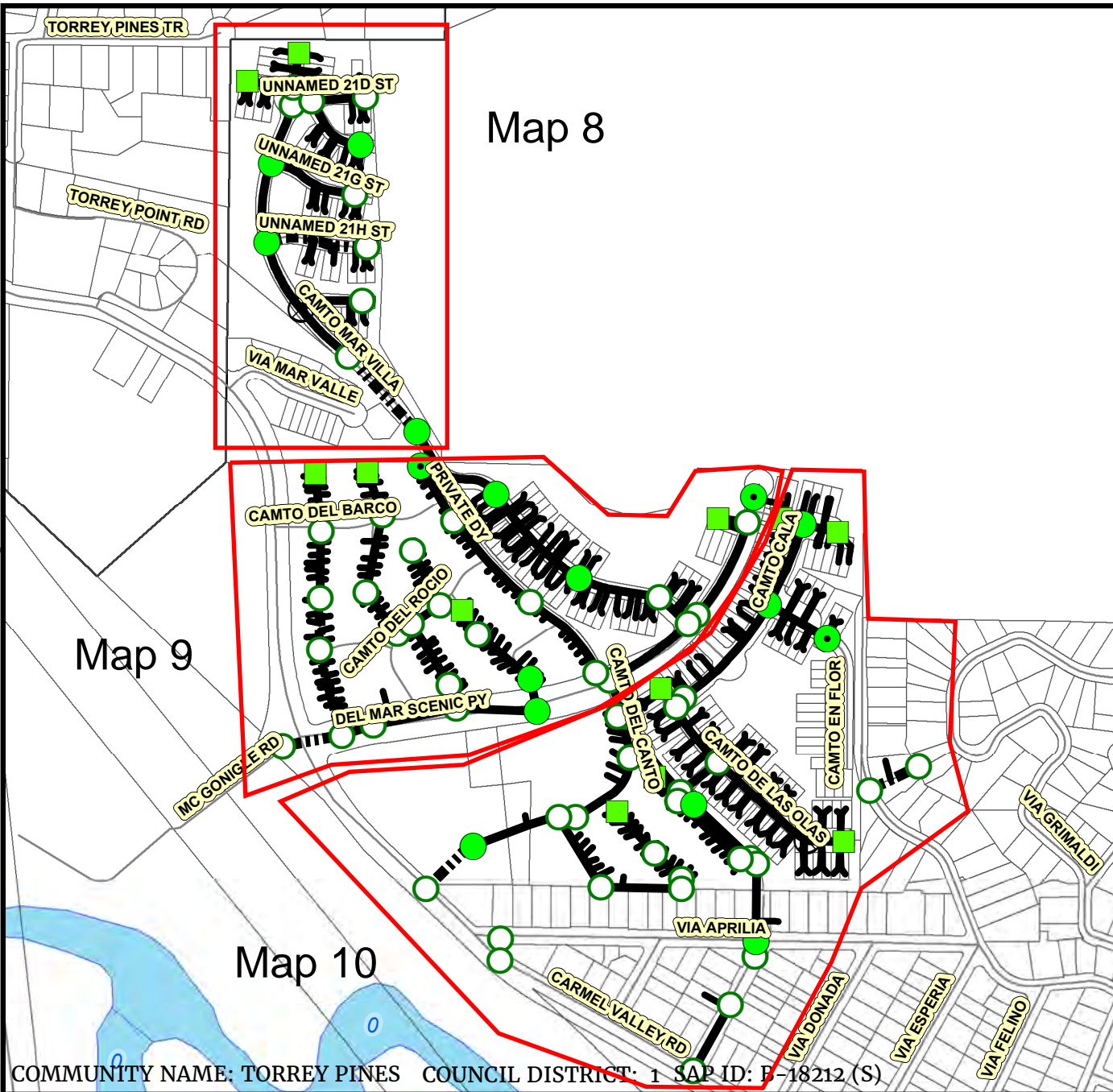
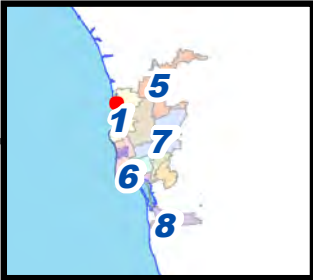
PIPELINE REHABILITATION AY-1
3 OF 6

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



COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: F-18212 (S)

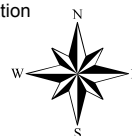
Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair

KEY MAP

- Proposed Lateral Rehabilitation

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY® to SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY® to SANDAG. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

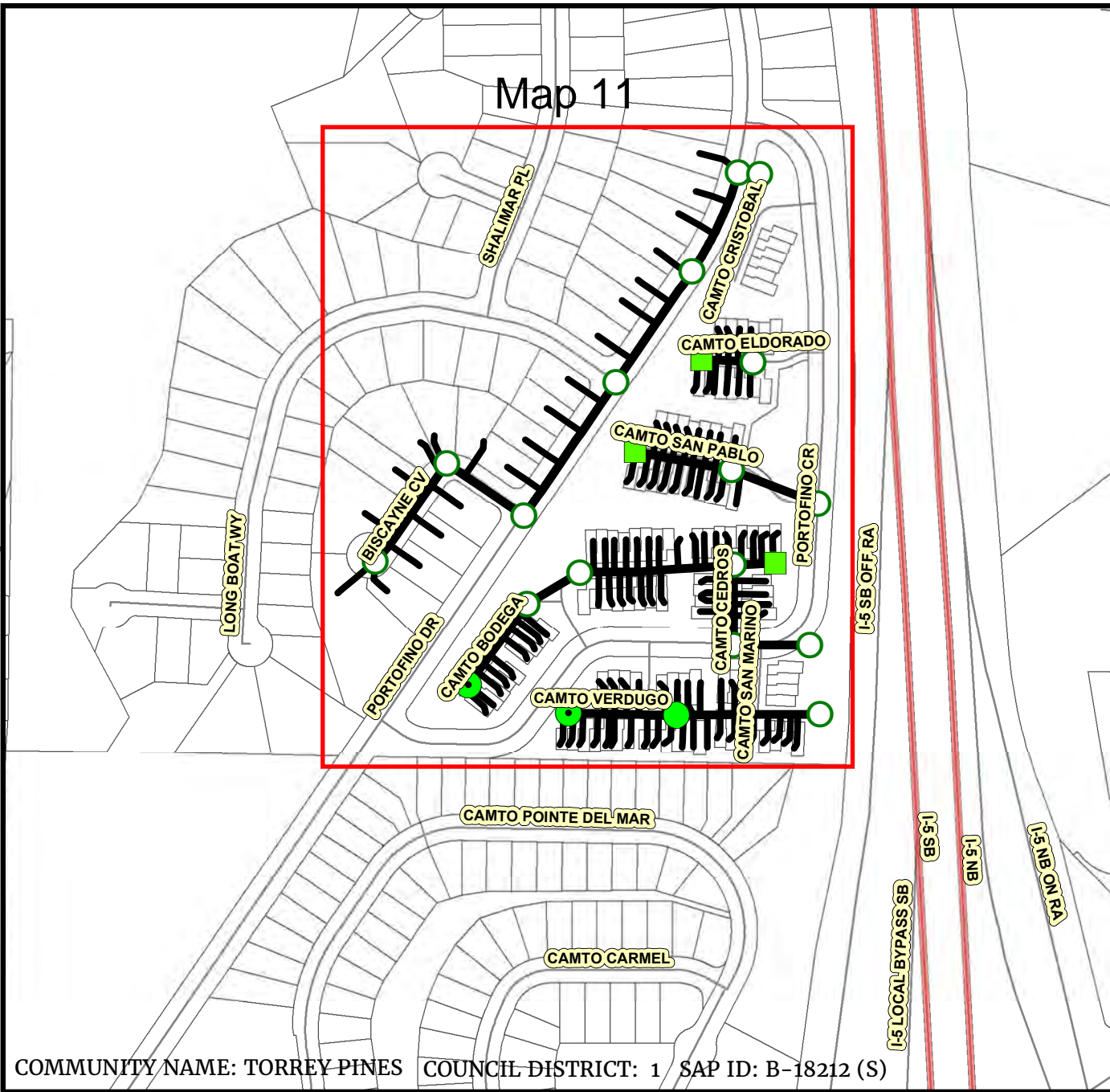
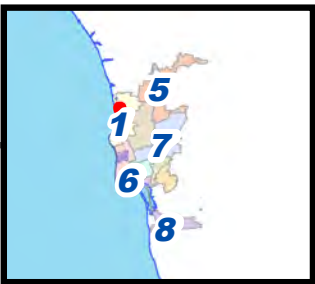
PIPELINE REHABILITATION AY-1
4 OF 6

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



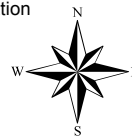
COMMUNITY NAME: TORREY PINES COUNCIL DISTRICT: 1 SAP ID: B-18212 (S)

Legend

- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Cleanout
- Existing Manhole
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed Lateral Rehabilitation

KEY MAP

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

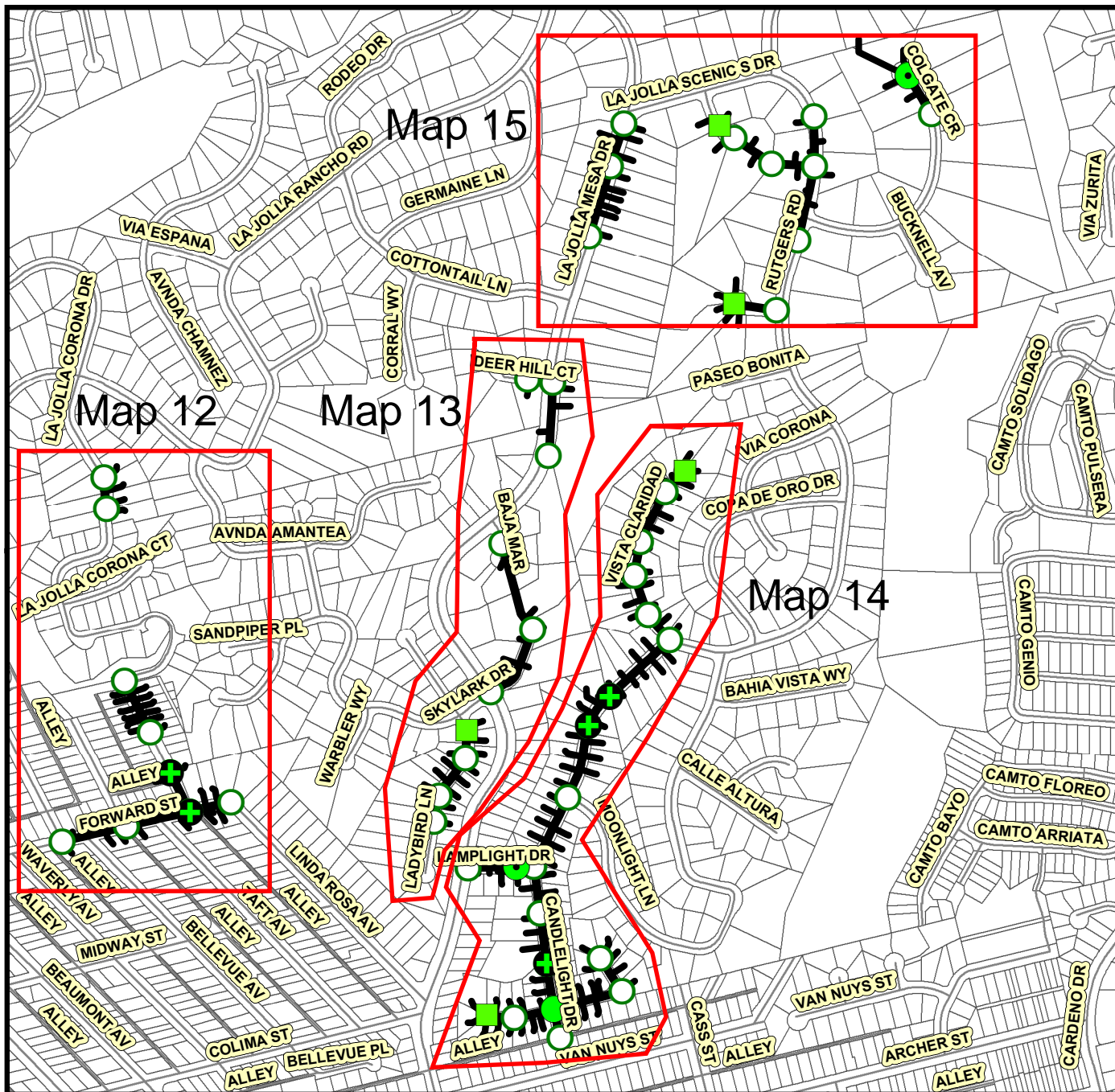
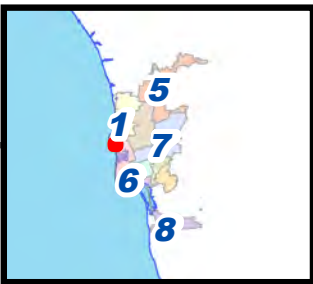
PIPELINE REHABILITATION AY-1
5 OF 6

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JONARD TALAMAYAN
619-533-4116

PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461

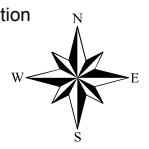
FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@saniego.gov



COMMUNITY NAME: LA JOLLA COUNCIL DISTRICT: 1 SAP ID: B-18212 (S) **KEY MAP** AP

- | | | | | | |
|--|--|--|--|--|----------------------------------|
| | Proposed MH Rehabilitation | | Proposed Cleanout | | Proposed Lateral Rehabilitation |
| | Proposed MH Rehabilitation w/ Point Repair | | Existing Manhole | | Proposed Pipeline Rehabilitation |
| | Proposed MH Replacement | | Proposed Pipeline Rehabilitation w/ Point Repair | | |
| | Proposed New Manhole | | | | |

Date: June 14, 2019



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

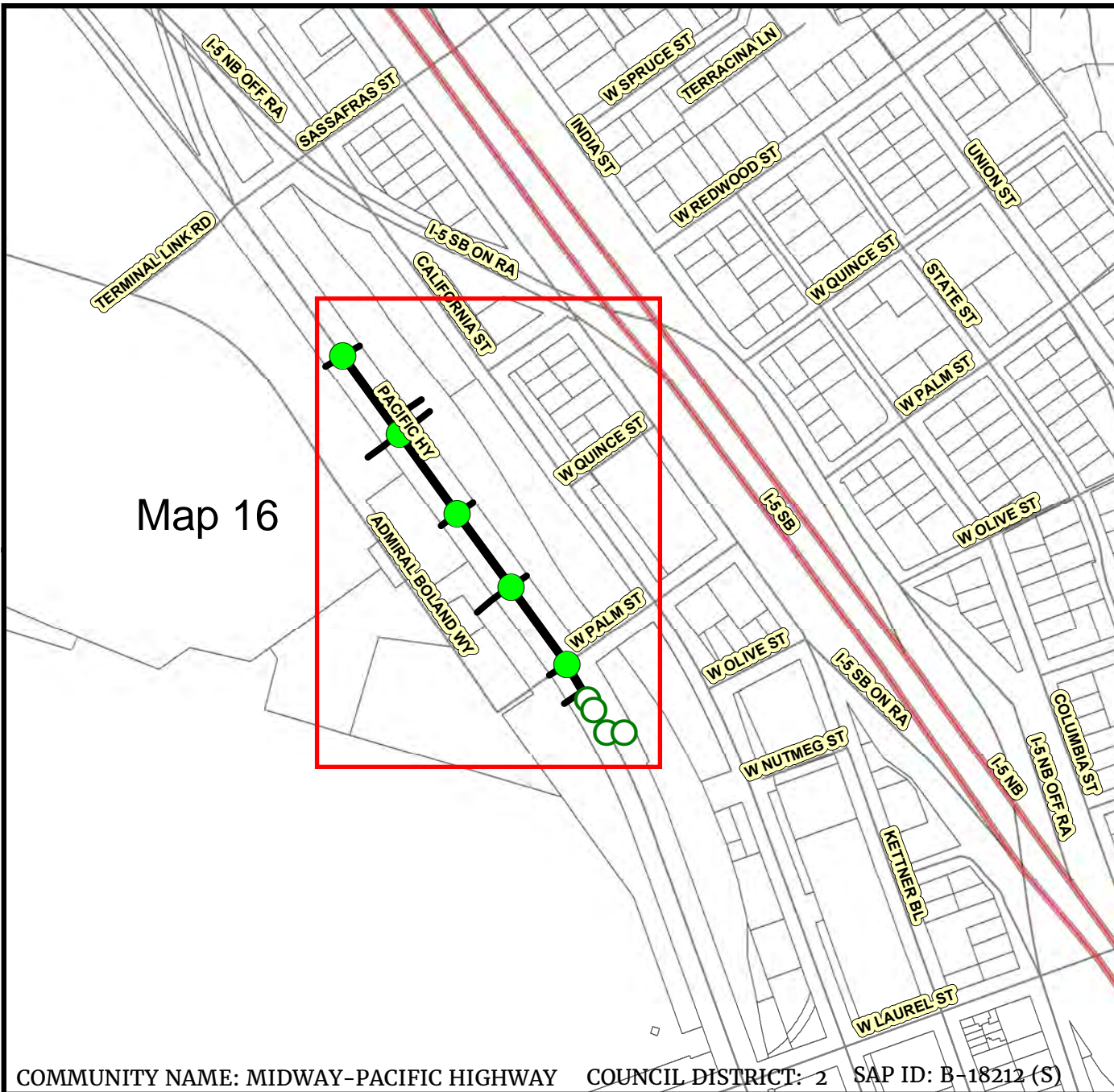
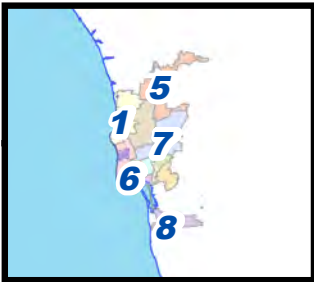
PIPELINE REHABILITATION AY-1
6 OF 6

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



Map 16

COMMUNITY NAME: MIDWAY-PACIFIC HIGHWAY COUNCIL DISTRICT: 2 SAP ID: B-18212 (S)

Legend

-  Proposed MH Rehabilitation
-  Proposed MH Rehabilitation w/ Point Repair
-  Proposed MH Replacement
-  Proposed New Manhole
-  Proposed Cleanout
-  Existing Manhole
-  Proposed Pipeline Rehabilitation
-  Proposed Pipeline Rehabilitation w/ Point Repair
-  Proposed Lateral Rehabilitation

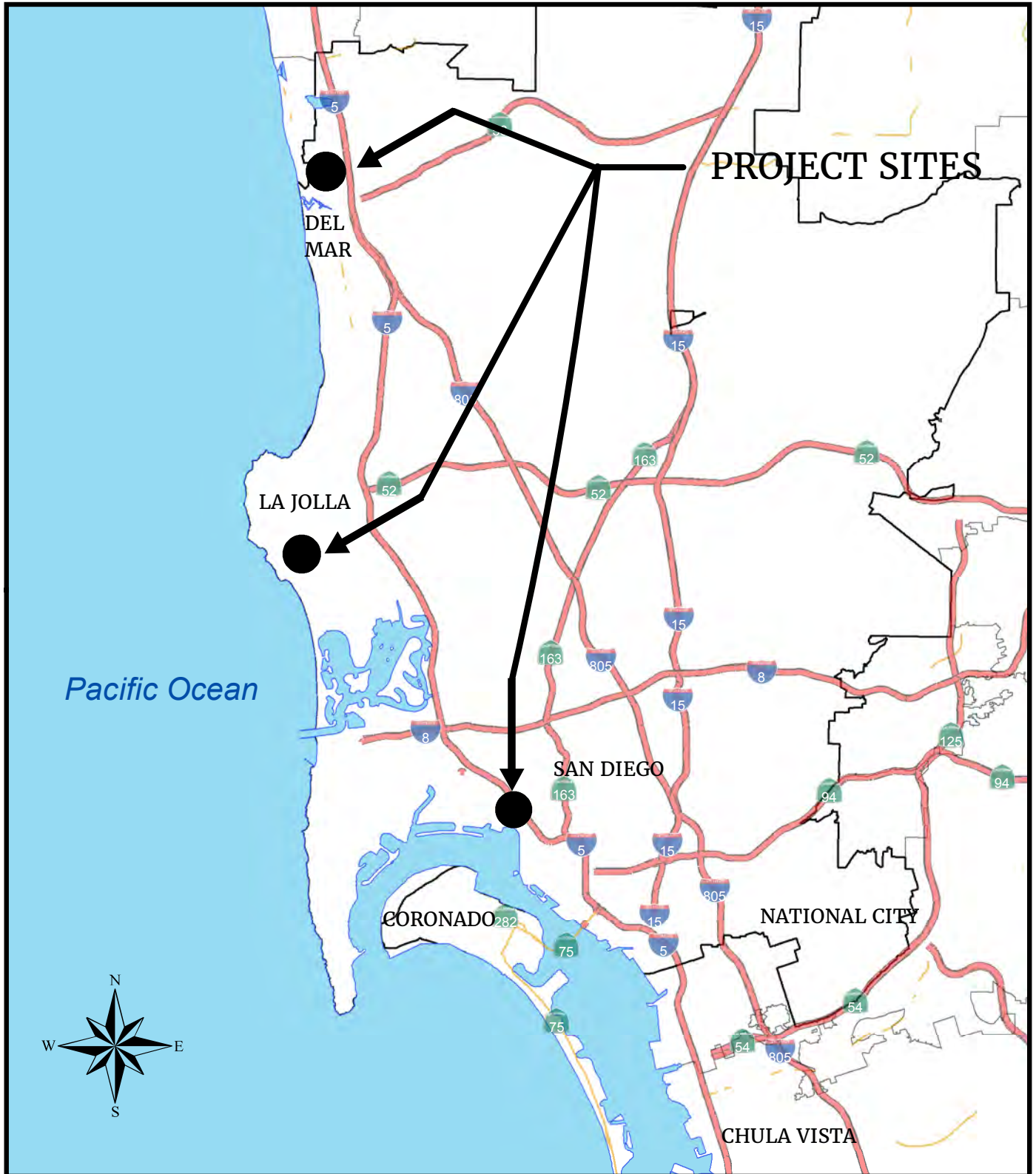
KEY MAP



Date: June 14, 2019

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

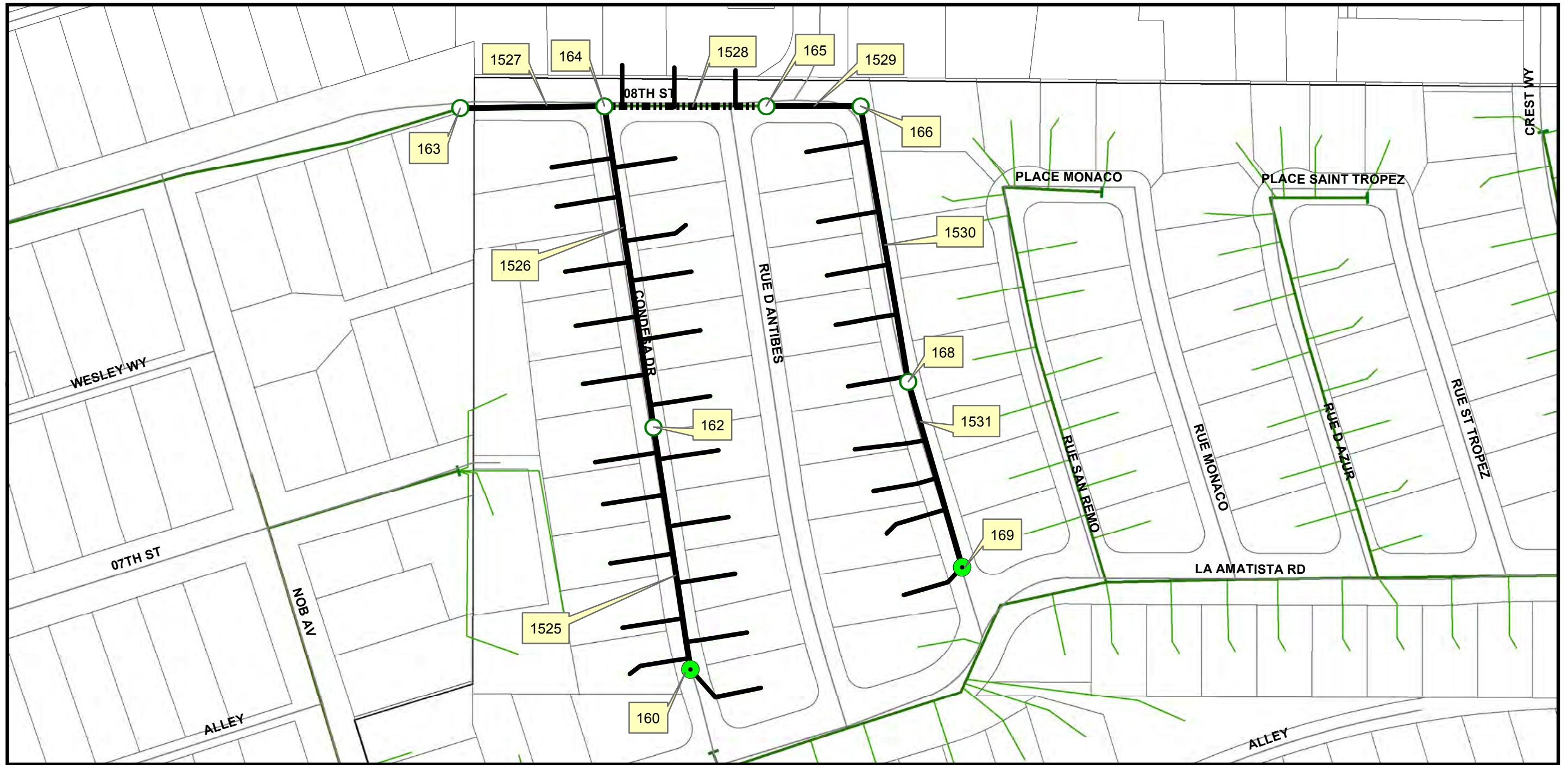
PIPELINE REHABILITATION AY-1



VICINITY MAP
NOT TO SCALE

SAP ID: B-18212 (S)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY © to SANGIS. This map is copyrighted by RAND McNALLY & COMPANY ©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.



SEE MAP 5

SEE MAP 2

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- + Proposed MH Rehabilitation w/ Point Repair
- X Proposed MH Replacement
- Proposed New Manhole

- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

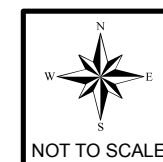
123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1

16

Pipeline Rehabilitation AY-1
Appendix G - Site Maps



WBS#
B-18212

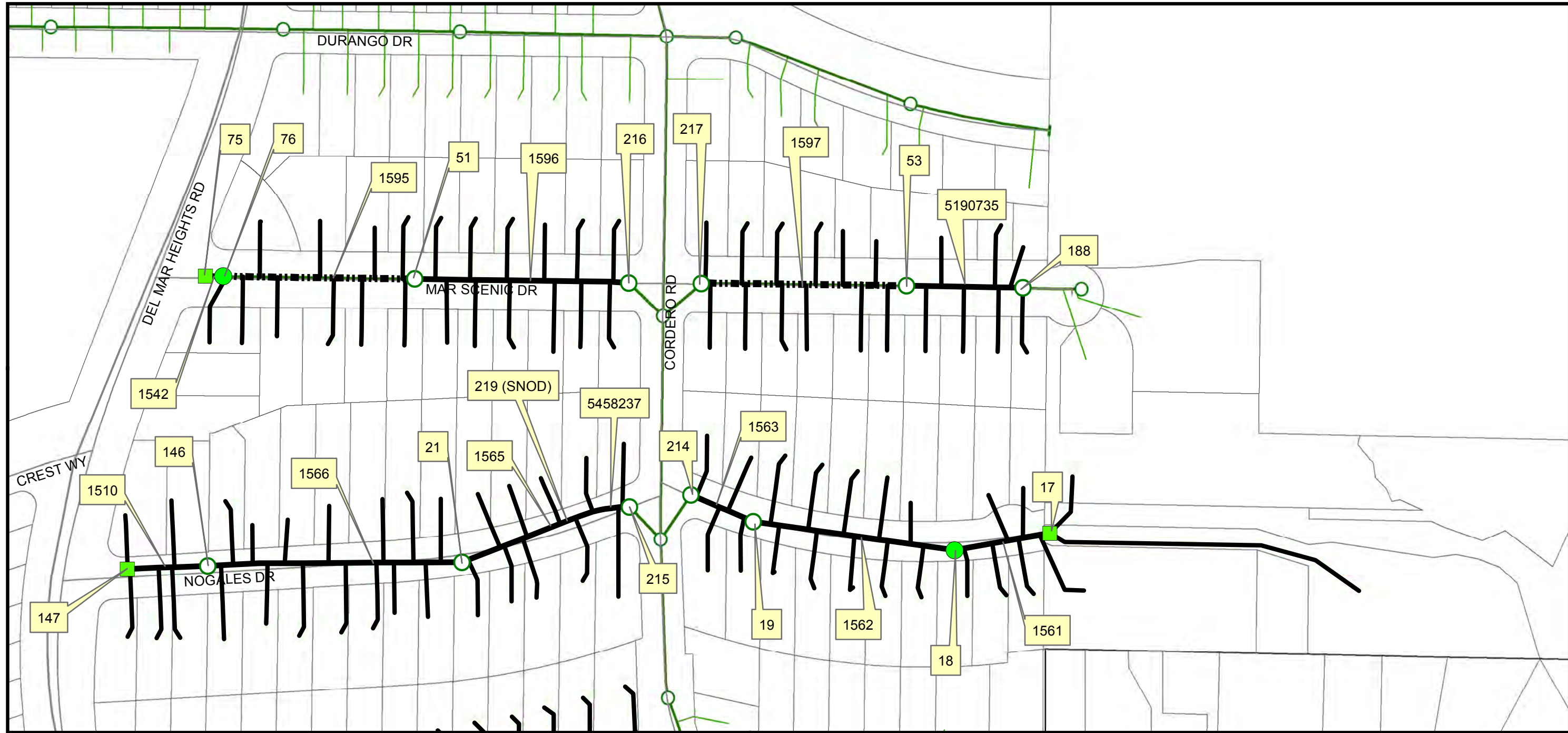
MAP NO.
1 of



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANYY® to SanGIS. This map is copyrighted by RAND McNALLY & COMPANYY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANYY.

Legend		Pipeline Rehabilitation AY-1 Appendix G - Site Maps		133 Page	
<ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation Proposed MH Rehabilitation w/ Point Repair Proposed MH Replacement Proposed New Manhole 	<ul style="list-style-type: none"> Proposed Lateral Rehabilitation Proposed Cleanout Existing Manhole Plugs Mains Laterals 	123 MANHOLE ID NUMBER 12345 FSN (Facility Sequence Number)		PIPELINE REHABILITATION AY-1	
		NOT TO SCALE		MAP NO. 2 of 16	
				WBS# B-18212	

SEE MAP 4



SEE MAP 1

SEE MAP 2

125

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole

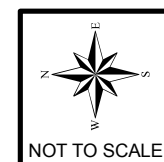
- Proposed Cleanout
- Existing Manhole
- Proposed Lateral Rehabilitation
- Plugs
- Mains
- Laterals

Pipeline Rehabilitation AY-1
Appendix G - Site Maps

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1



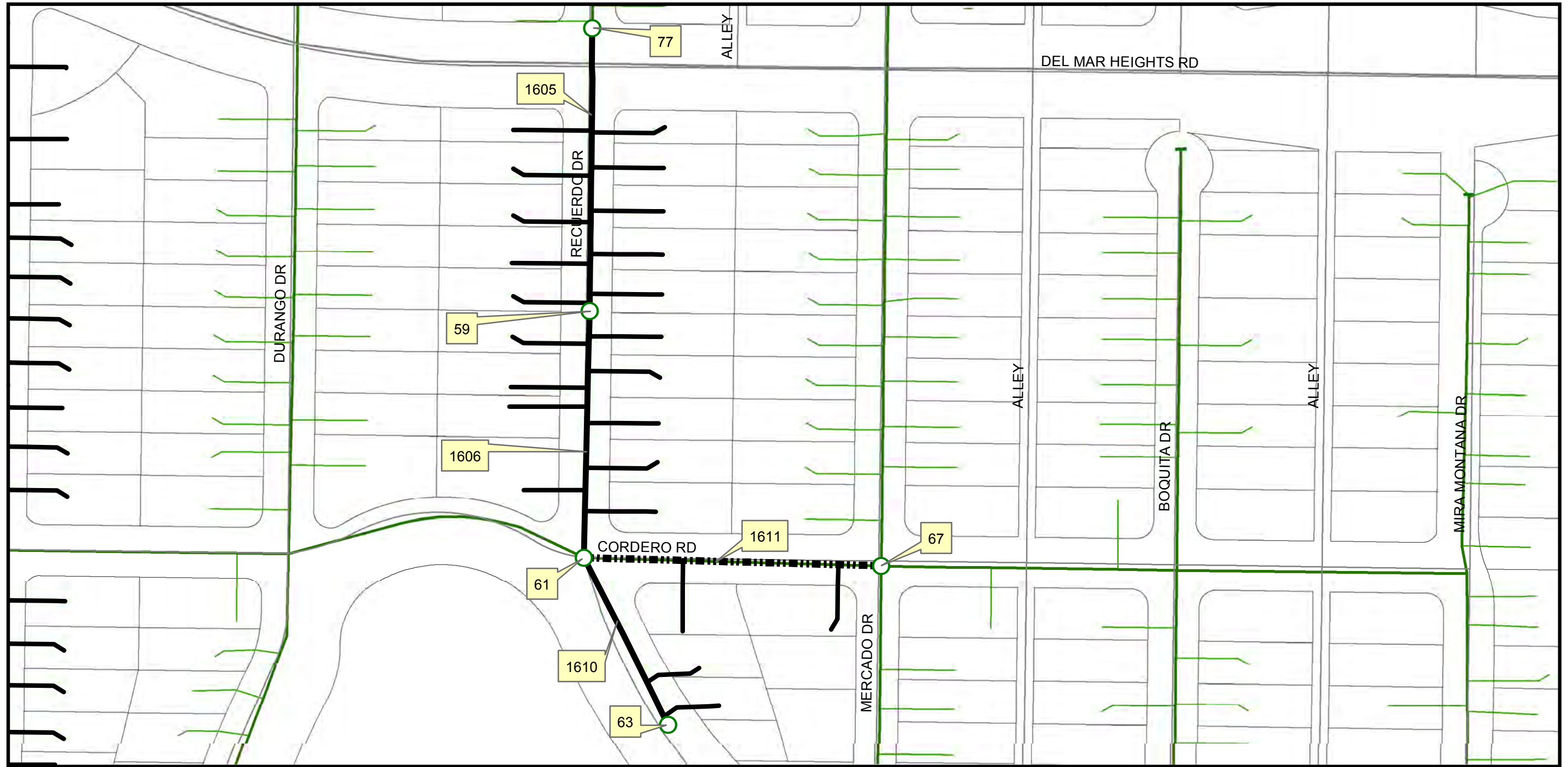
THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SANDAG. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY® to SANDAG. This map is copyrighted by RAND McNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

SEE MAP 5

SEE MAP 6

SEE MAP 3



Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement

- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

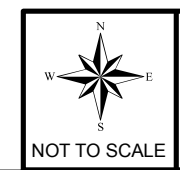
123 MANHOLE ID NUMBER

FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1

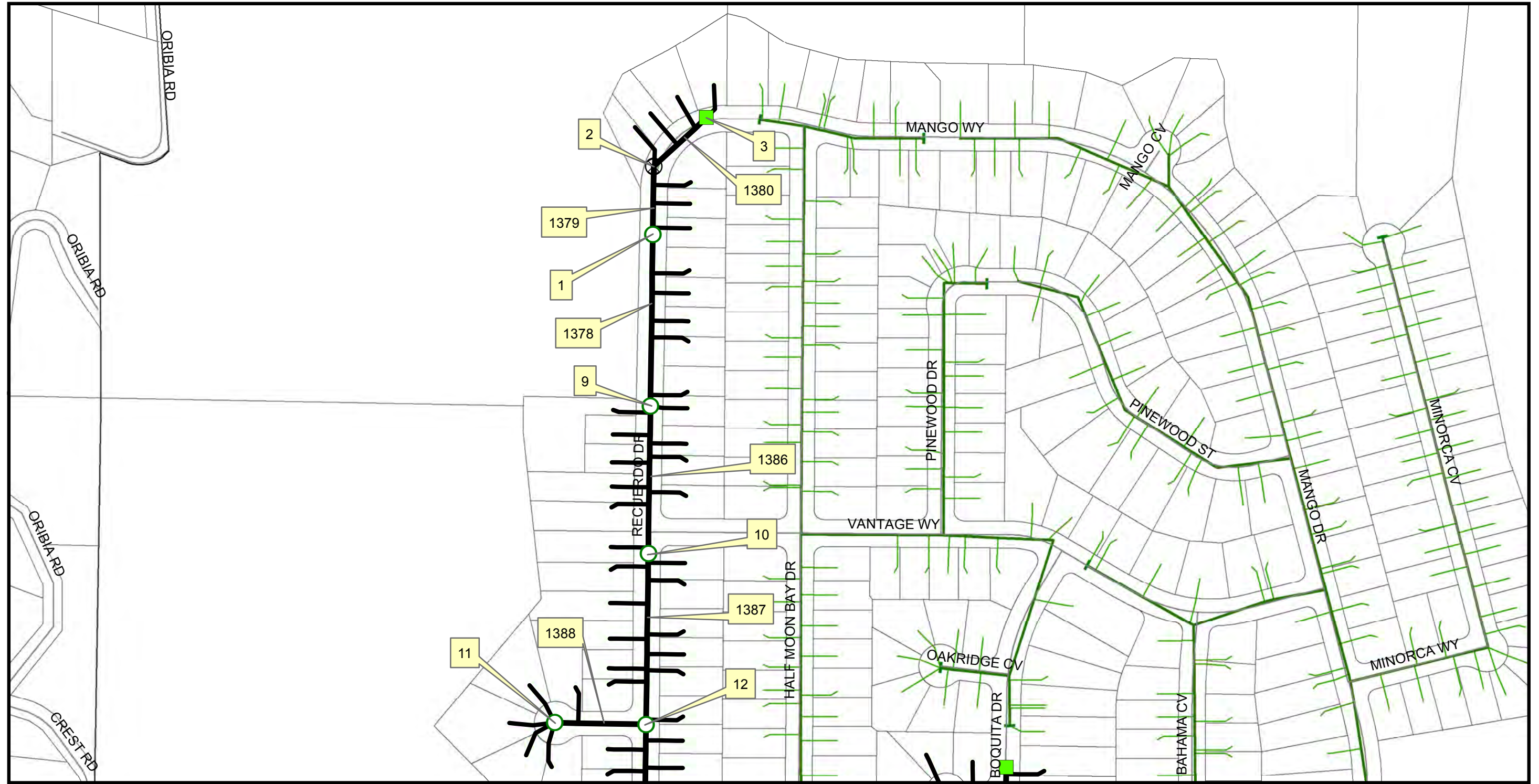
MAP NO.

4 of 16



WBS#
B-18212

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SANDAG. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.



SEE MAP 6

SEE MAP 7

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole

Pipeline Rehabilitation AY-
Appendix G - Site Maps

- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

123 MANHOLE ID NUMBER

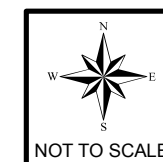
FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1

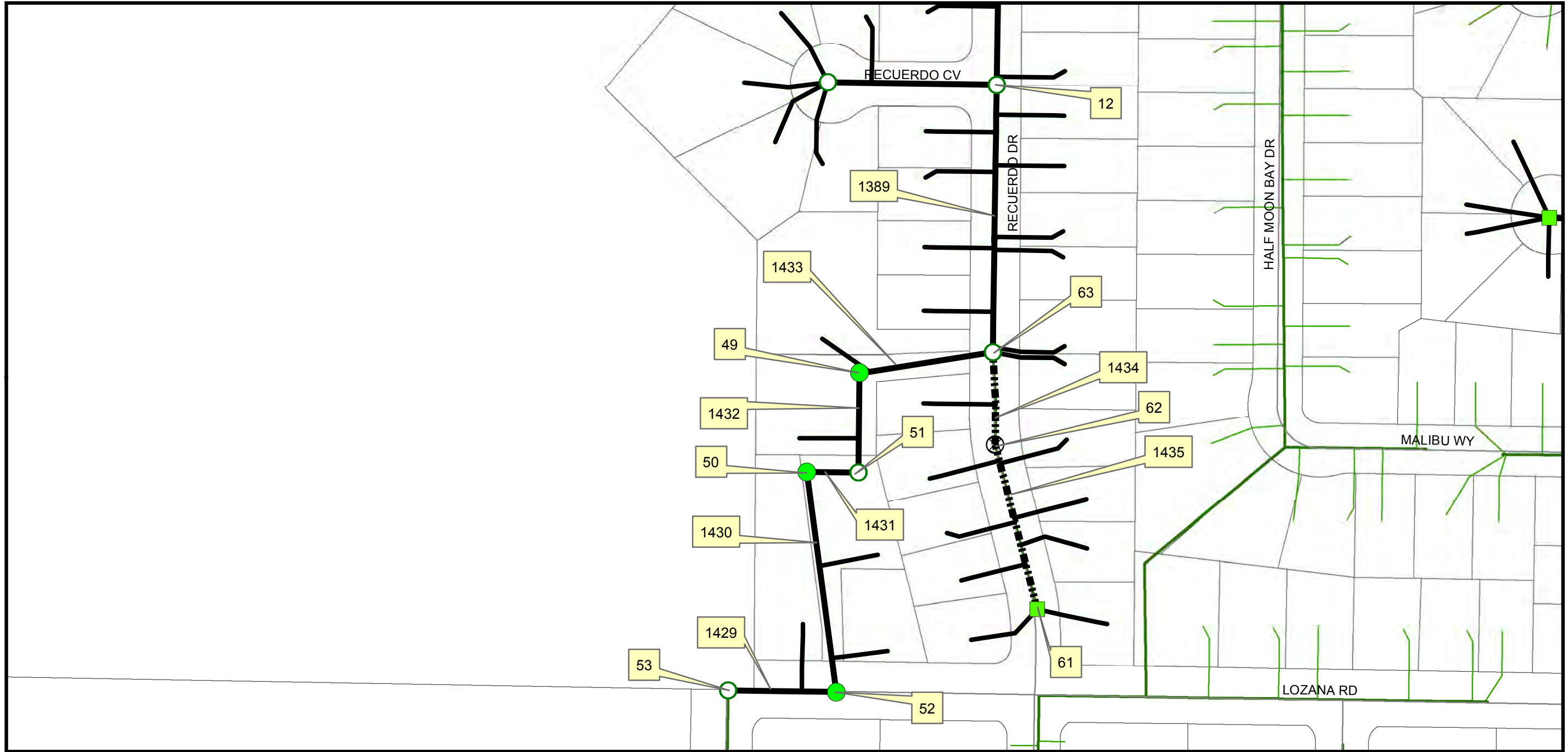
MAP NO.

5 of

16



SEE MAP 5



SEE MAP 7

SEE MAP 3 & 4

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SANDAG. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

Pipeline Rehabilitation AY-1
Appendix G - Site Maps

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

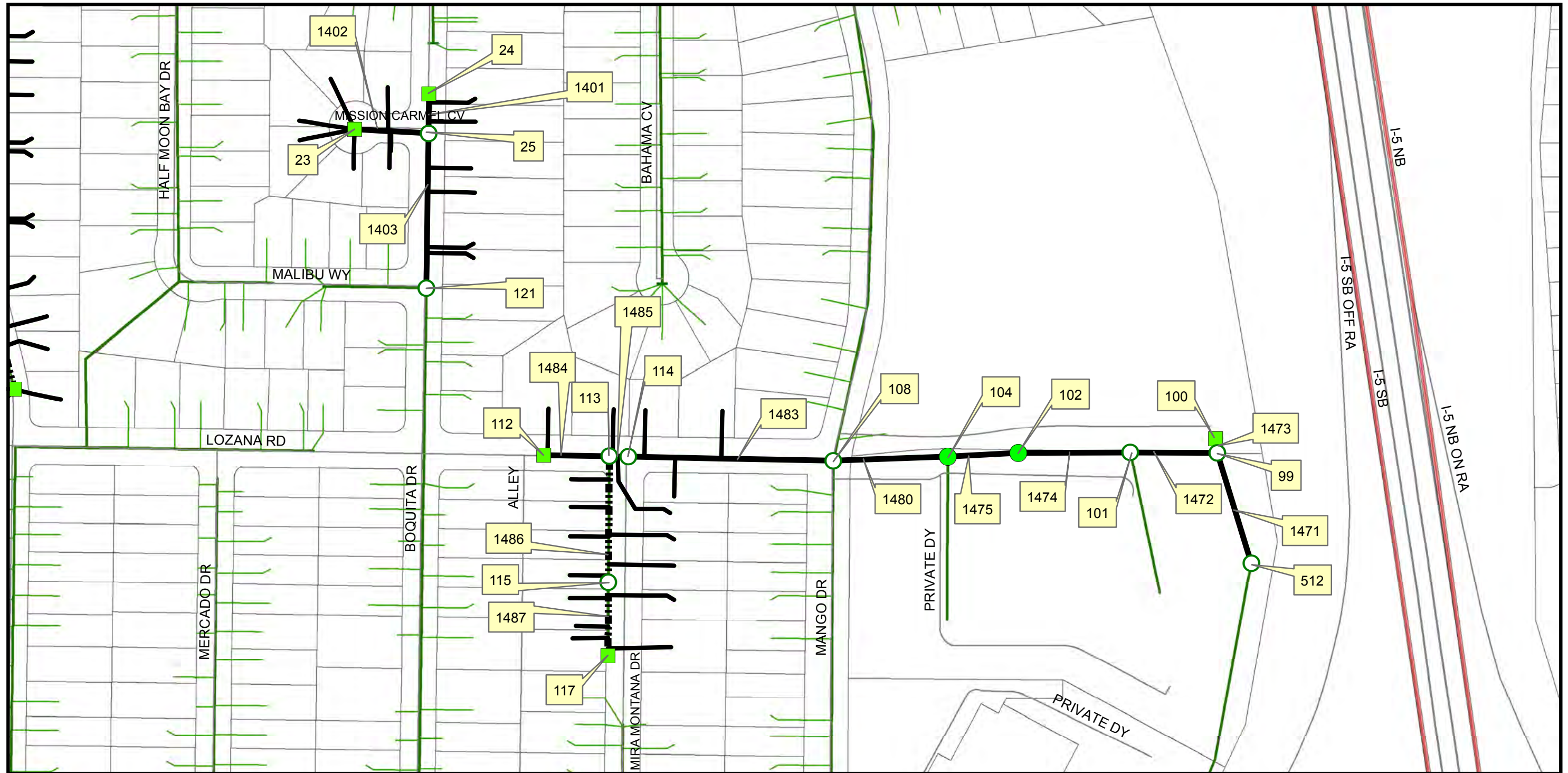
123 MANHOLE ID NUMBER
 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1

 NOT TO SCALE	WBS# B-18212	MAP NO. 6 of 6
------------------	------------------------	--------------------------

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SANDAG. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

SEE MAP 6



SEE MAP 4

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole

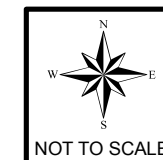
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

Pipeline Rehabilitation AY-
Appendix G - Site Maps

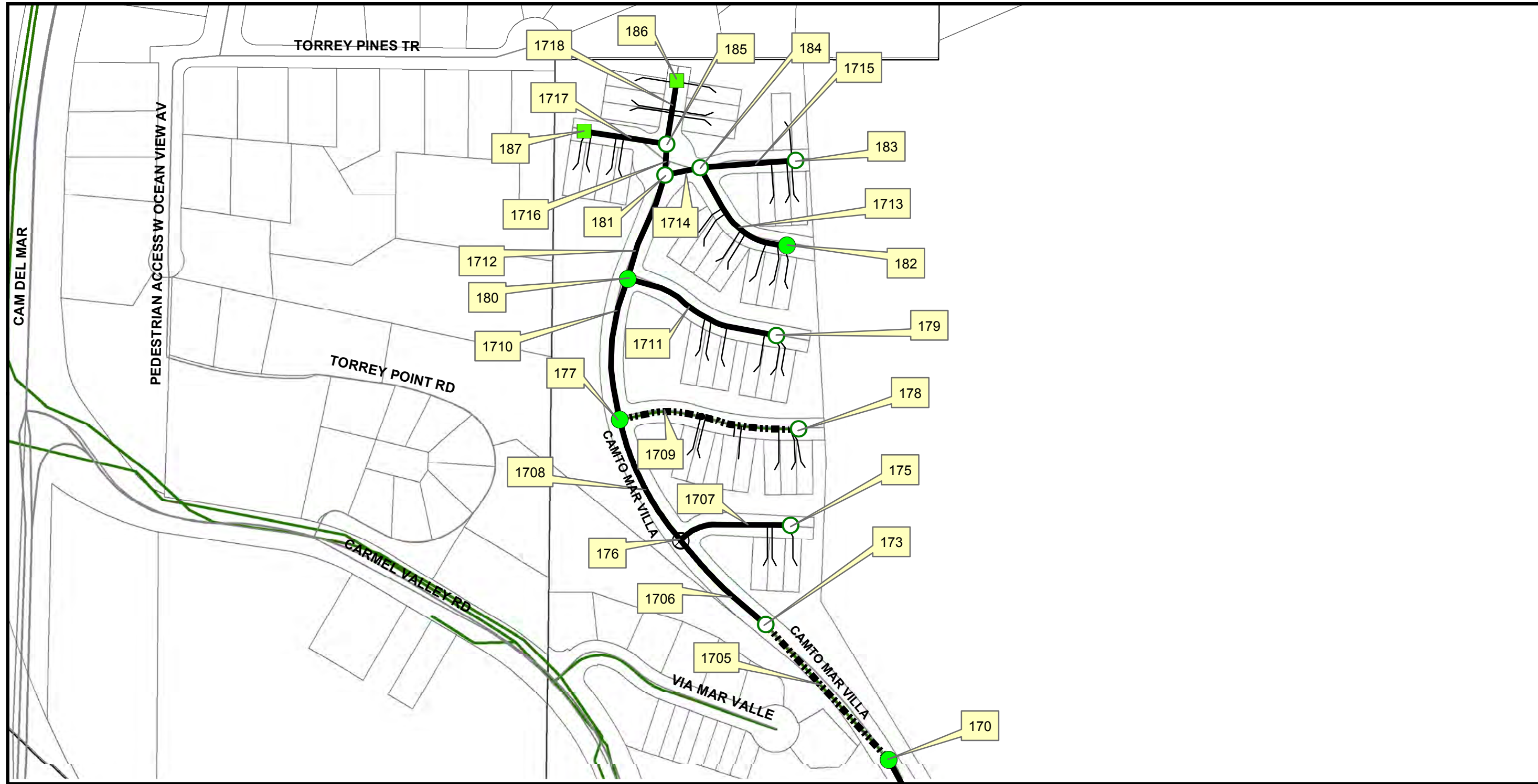
123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)












PIPELINE REHABILITATION AY-1



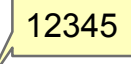
THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SANDAG. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.



Legend

-  Proposed Pipeline Rehabilitation
-  Proposed Pipeline Rehabilitation w/ Point Repair
-  Proposed MH Rehabilitation
-  Proposed MH Rehabilitation w/ Point Repair
-  Proposed MH Replacement
-  Proposed New Manhole
-  Proposed Sewer Lateral Connection (Top Hat Only)
-  Proposed Cleanout
-  Existing Manhole
-  Plugs
-  Mains

123 MANHOLE ID NUMBER

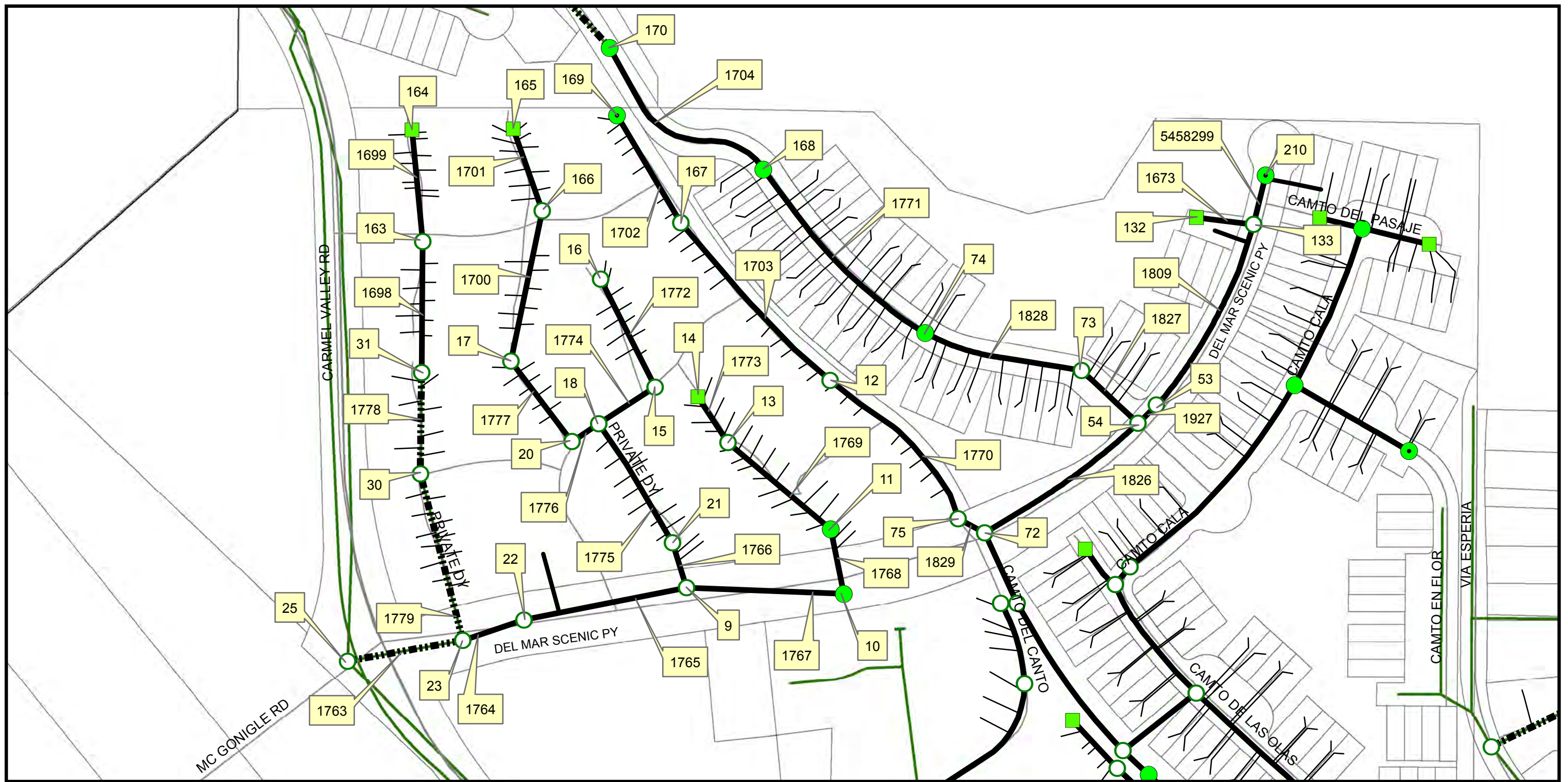
 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1



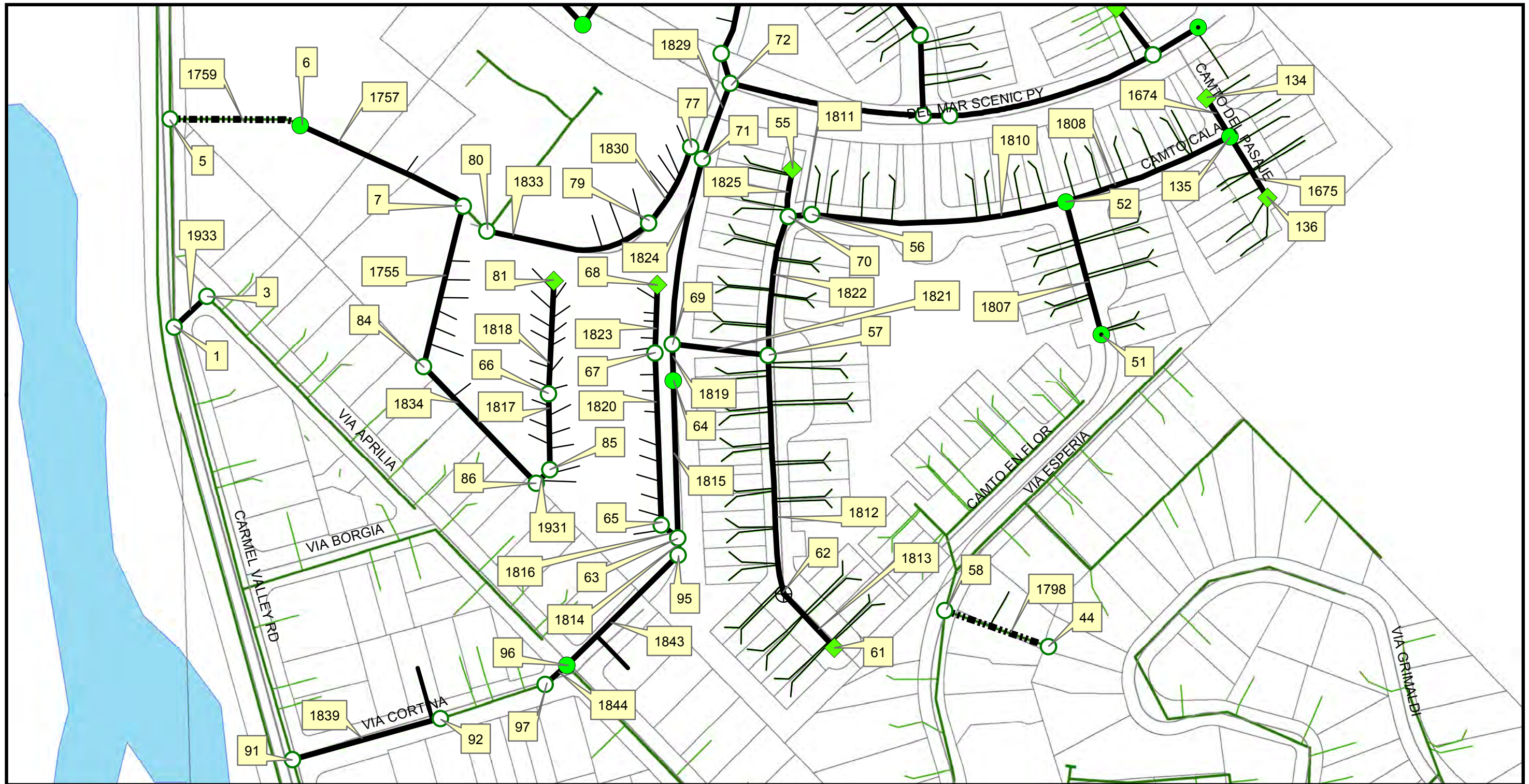
WBS# B-18212	MAP NO. 8 of 16
------------------------	---------------------------

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.



Legend		Pipeline Rehabilitation AY-1 Appendix G - Site Maps		140 Page	
<ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation Proposed MH Rehabilitation w/ Point Repair Proposed MH Replacement Proposed New Manhole Proposed Lateral Rehabilitation 	<ul style="list-style-type: none"> Proposed Sewer Lateral Connection (Top Hat Only) Proposed Cleanout Existing Manhole Plugs Mains Laterals 	123 MANHOLE ID NUMBER 12345 FSN (Facility Sequence Number)	<h2>PIPELINE REHABILITATION AY-1</h2>		
				WBS# B-18212	MAP NO. 9 of 16

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.



Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Lateral Rehabilitation

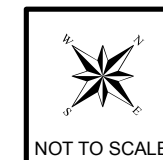
- Proposed Sewer Lateral Connection (Top Hat Only)
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

Pipeline Rehabilitation AY-
Appendix G - Site Maps

123 MANHOLE ID NUMBER

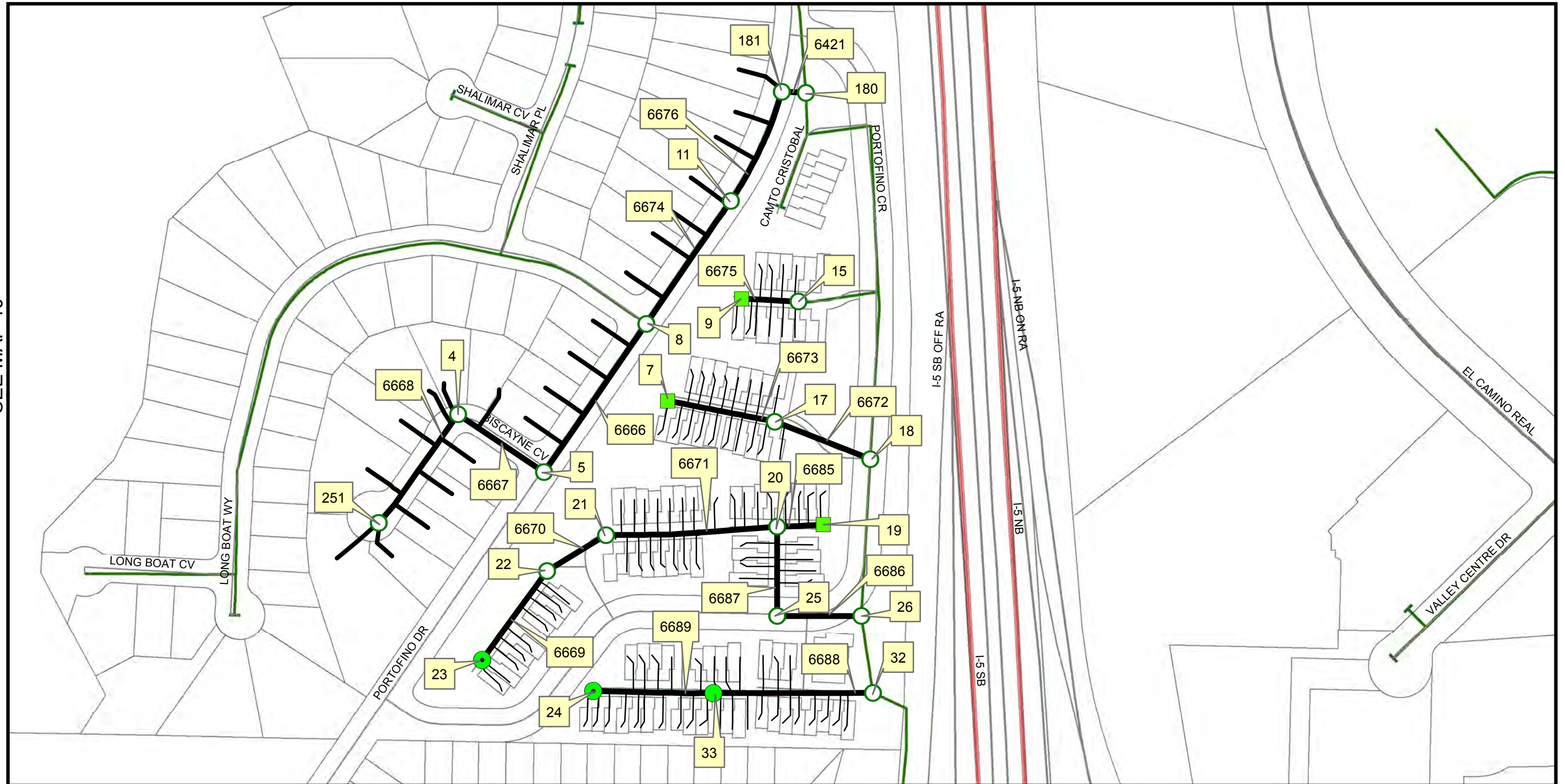
FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SandAG. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

SEE MAP 10



Pipeline Rehabilitation AY-1
Appendix G - Site Maps

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Sewer Lateral Connection (Top Hat Only)
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains

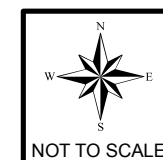
123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1

MAP NO.

11 of 16



WBS#
B-18212

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.



SEE MAP 13

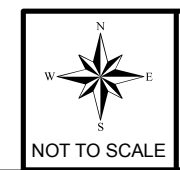
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains

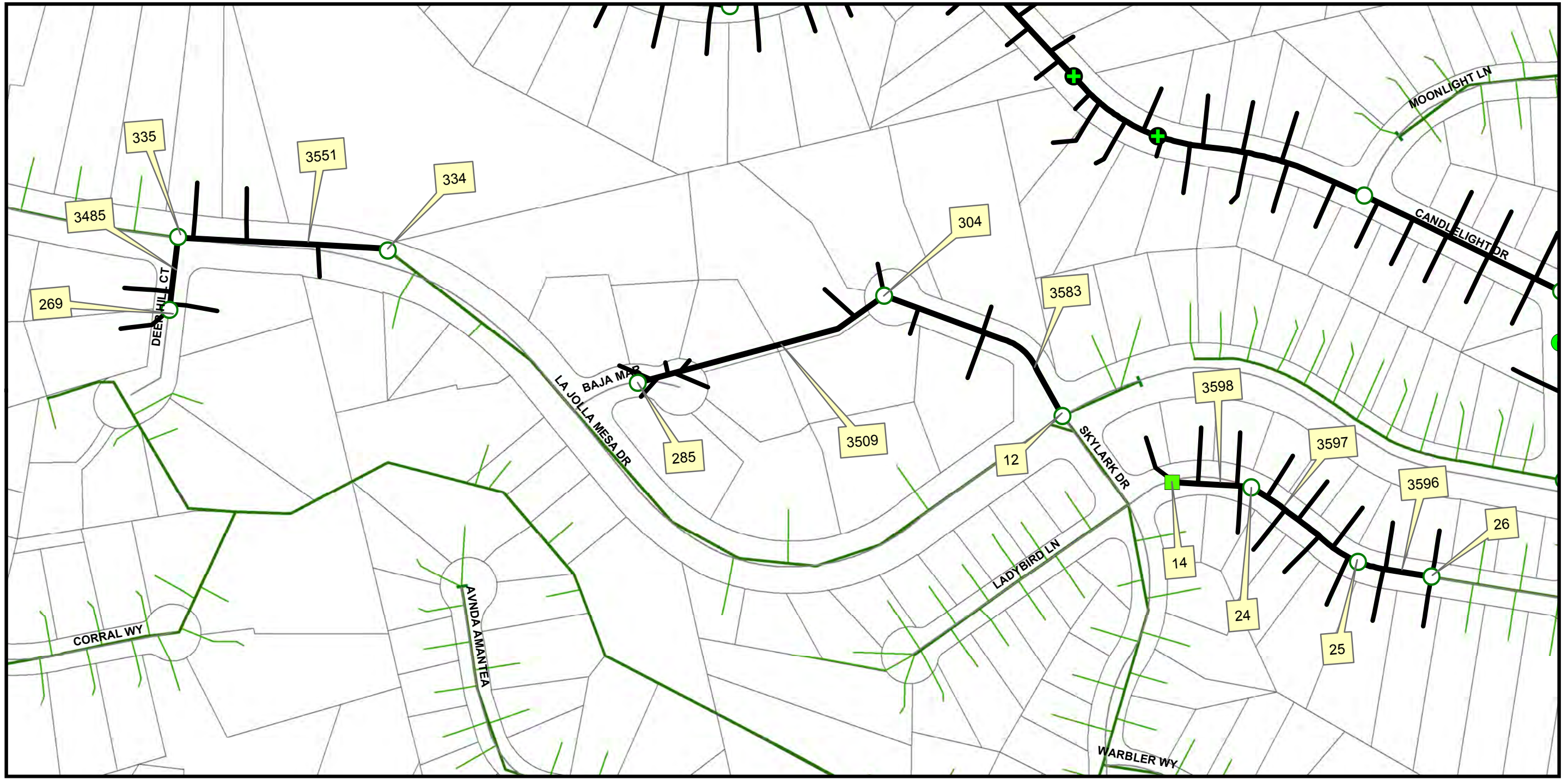
Pipeline Rehabilitation AY-1
Appendix G - Site Maps

123 MANHOLE ID NUMBER
 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AY-1



WBS# B-18212	MAP NO. 12 of 16
------------------------	----------------------------



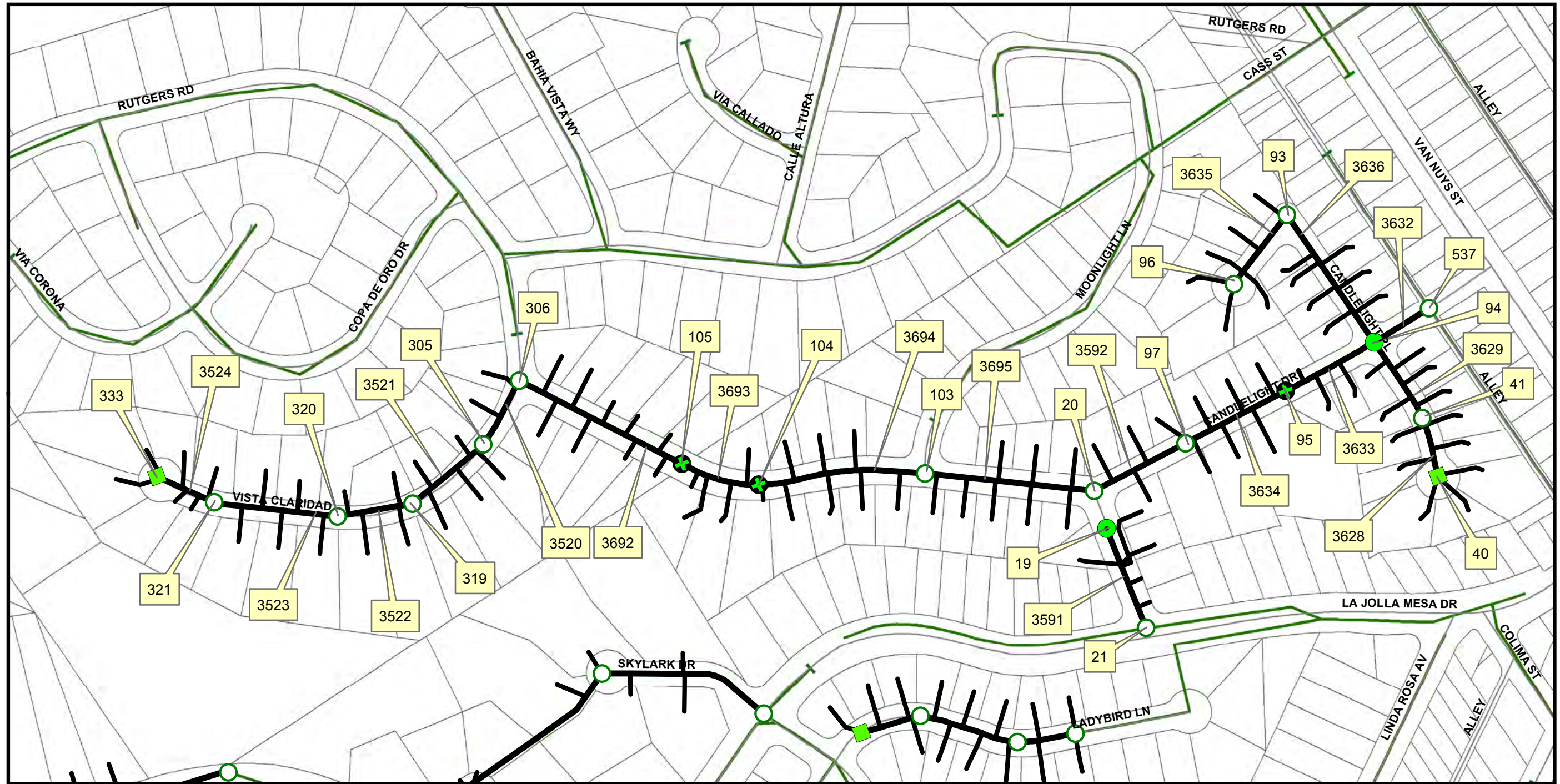
THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SandGIS. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

Legend		123 MANHOLE ID NUMBER		PIPELINE REHABILITATION AY-1
<ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation + Proposed MH Rehabilitation w/ Point Repair X Proposed MH Replacement Proposed New Manhole 	<ul style="list-style-type: none"> Proposed Lateral Rehabilitation Proposed Cleanout Existing Manhole Plugs Mains Laterals 	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">12345</div> FSN (Facility Sequence Number)		
				WBS# B-18212
				MAP NO. 13 of 16

NOT TO SCALE

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanDiego. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

SEE MAP 15



SEE MAP 13

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- + Proposed MH Rehabilitation w/ Point Repair
- X Proposed MH Replacement
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains

Pipeline Rehabilitation AY-
Appendix G - Site Maps

123 MANHOLE ID NUMBER

12345

 FSN (Facility Sequence Number)

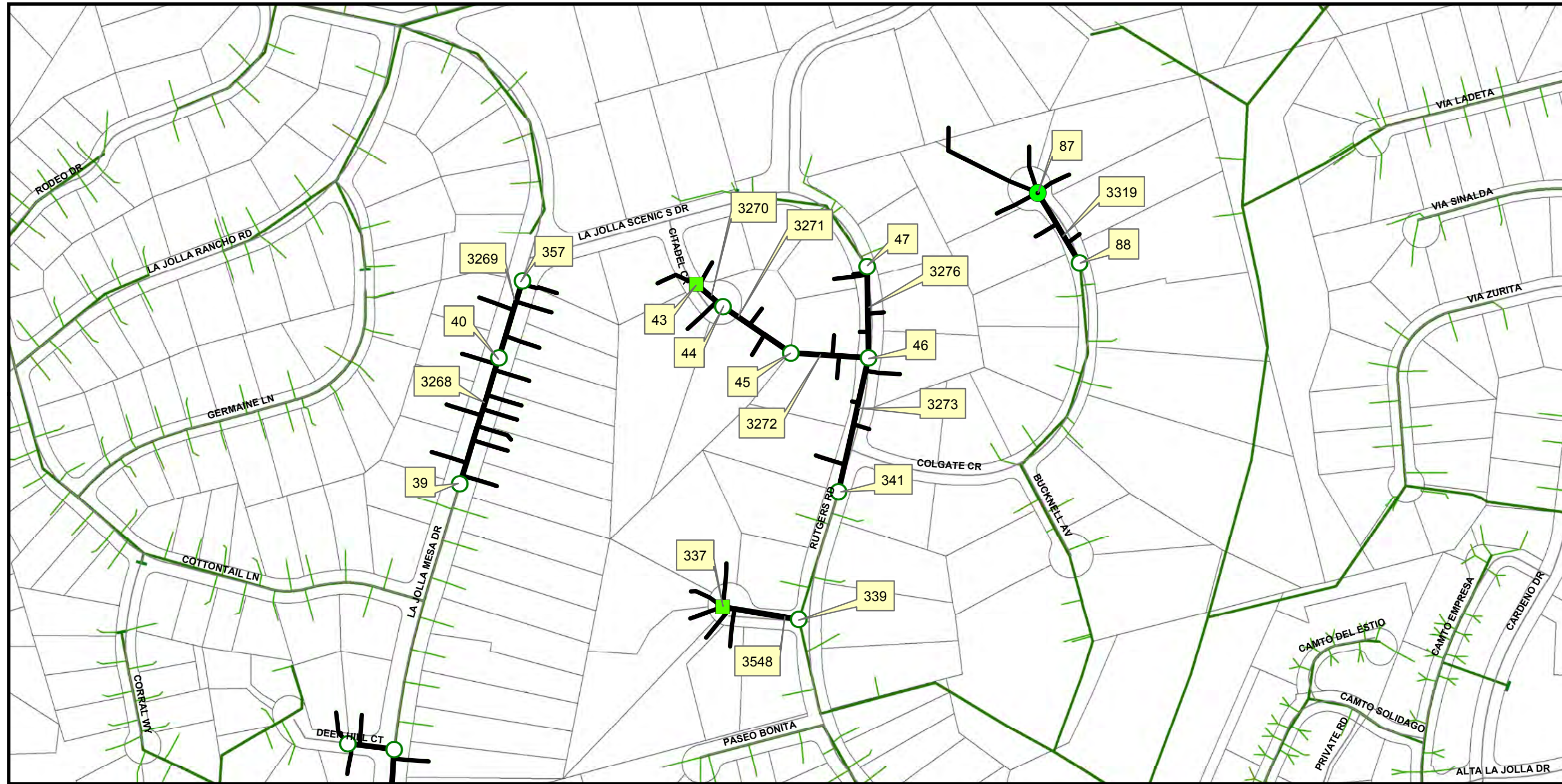
145 | Page

PIPELINE REHABILITATION AY-1

NOT TO SCALE

WBS# B-18212	MAP NO. 14 of 16
------------------------	----------------------------

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.



SEE MAP 13

SEE MAP 14

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed MH Replacement
- Proposed New Manhole

- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Manhole
- Plugs
- Mains
- Laterals

Pipeline Rehabilitation AY-
Appendix G - Site Maps

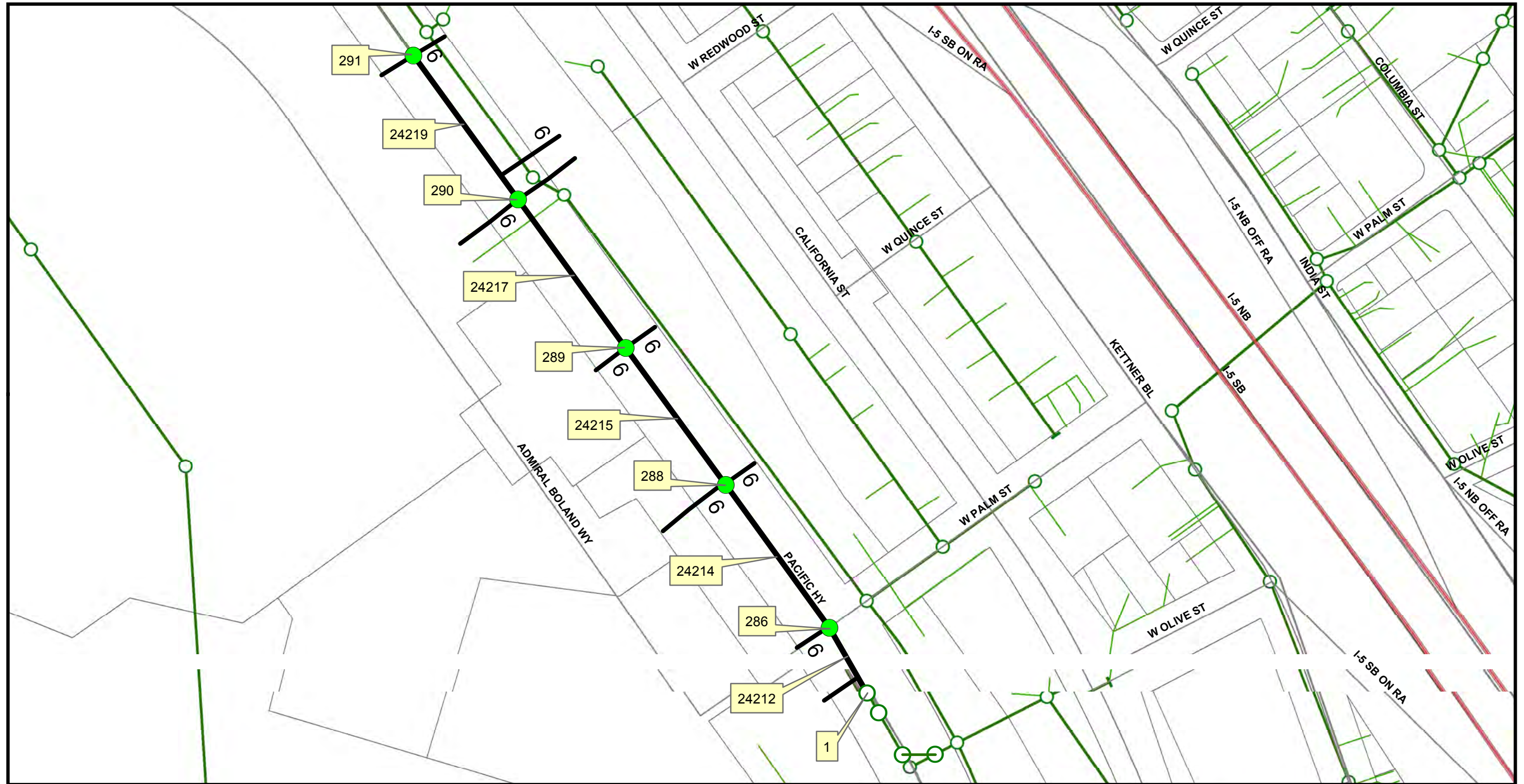
123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

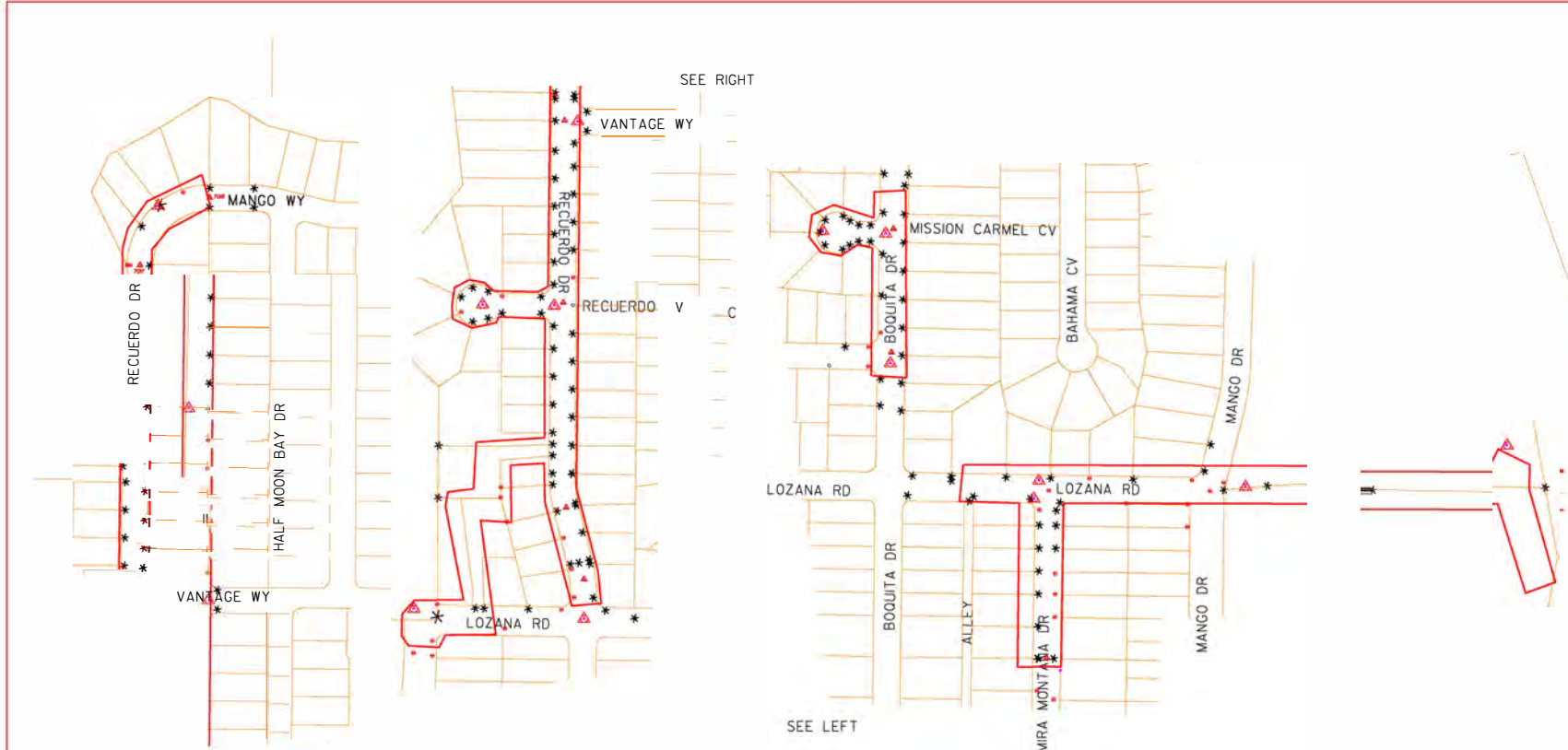
PIPELINE REHABILITATION AY-1



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SANDAG. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.



Pipeline Rehabilitation AY-1 Appendix G - Site Maps 147 Page		PIPELINE REHABILITATION AY-1			
Legend <ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation Proposed MH Rehabilitation w/ Point Repair Proposed MH Replacement Proposed New Manhole 	<ul style="list-style-type: none"> Proposed Lateral Rehabilitation Proposed Cleanout Existing Manhole Plugs Mains Laterals 	<p style="text-align: center;">123 MANHOLE ID NUMBER</p> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">12345</div> FSN (Facility Sequence Number)	<div style="text-align: center;"> NOT TO SCALE </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="text-align: center; padding: 5px;"> WBS# B-18212 </td> <td style="text-align: center; padding: 5px;"> MAP NO. 16 of 16 </td> </tr> </table>	WBS# B-18212	MAP NO. 16 of 16
WBS# B-18212	MAP NO. 16 of 16				



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 8730.2 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.

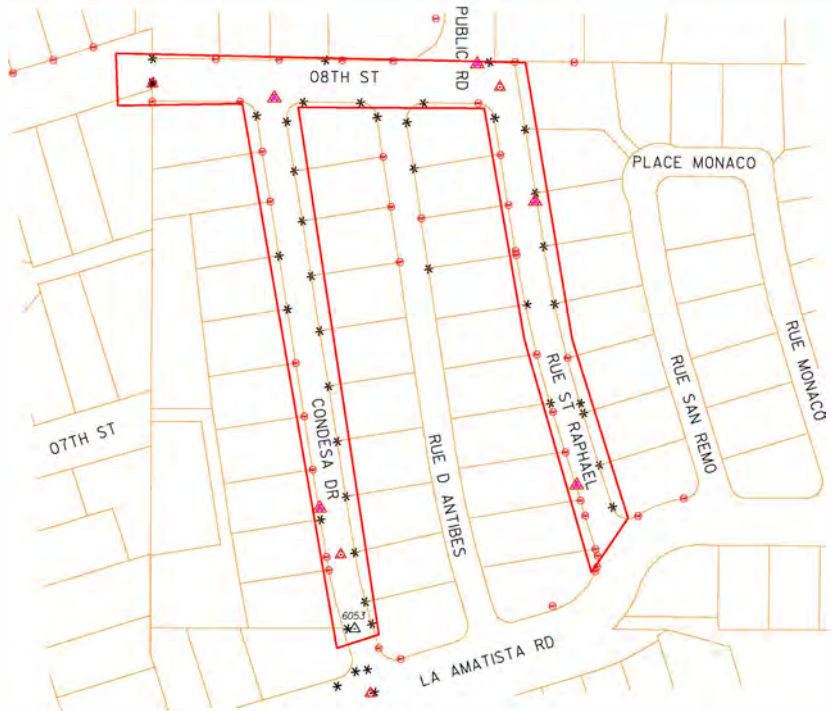
LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-ID
□	LOCATION OF SURVEY BENCH MARK
⊗	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

NO SCALE

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY 1

MONUMENT PERPETUATION (1 OF 13)

	WBS # B-18212	SEE MAP
	148 Page	



SEE RIGHT



SEE LEFT

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 8711 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 OBTAINED 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 FIELD OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FIELD DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

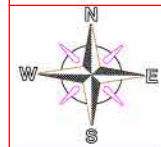
LEGEND

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

NO SCALE

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION (2 OF 13)



WBS # B-18212

SEE MAP



SEE SHEET 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.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH MONUMENTS WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF DISTURBED CONTROLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 87002, BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER REC. APPROPRIATE SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

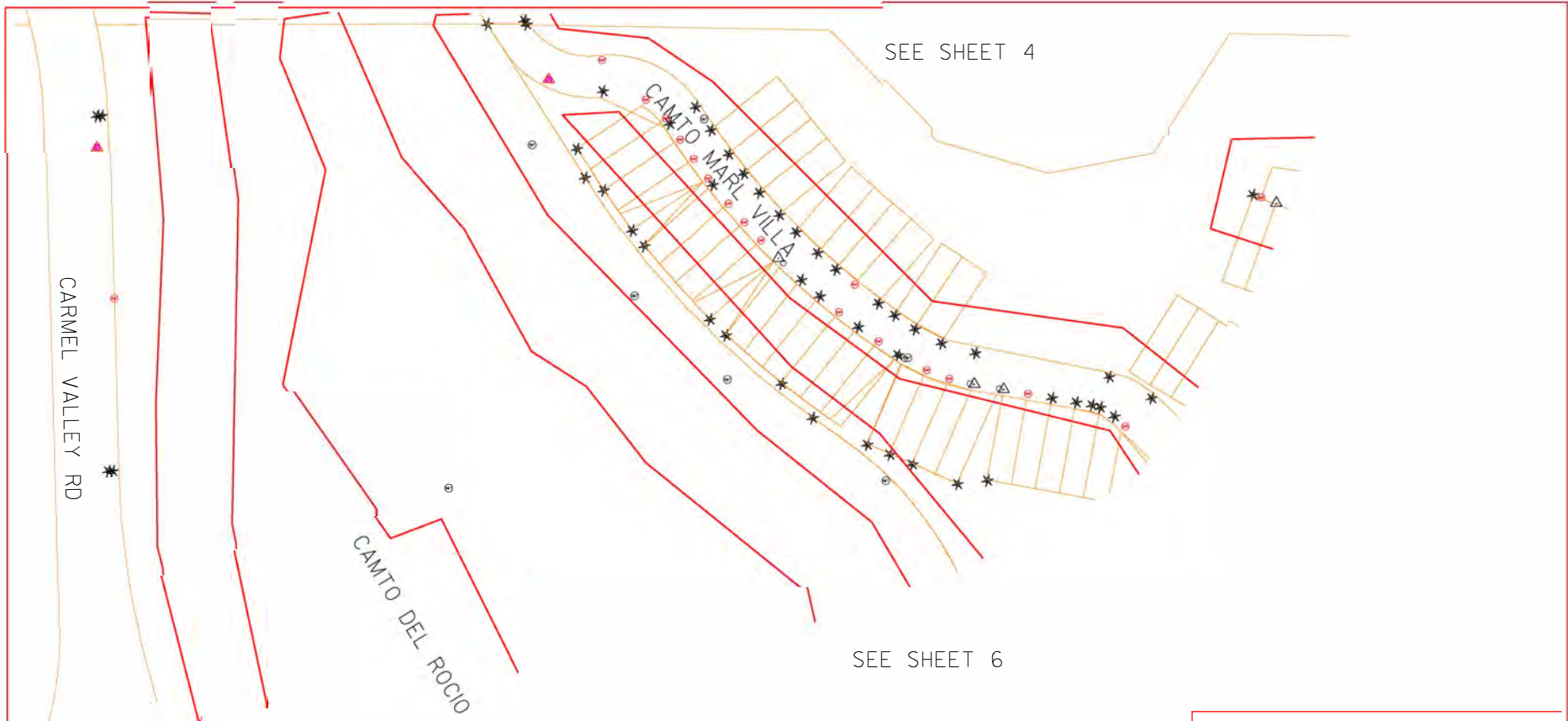
AND 8711 OF THE DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION. IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE FUND OF A CORNER RETURNED 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	
* (with star symbol)	LOCATION OF EXISTING SURVEY MONUMENT
△ (with triangle symbol)	LOCATION OF EXISTING M-ID
■ (with square symbol)	LOCATION OF SURVEY BENCH MARK
⊕ (with circle and cross symbol)	LOCATION OF FOUND GPS POINT
△ (with triangle symbol)	LOCATION OF FOUND EVIDENCE OF MONUMENT
○ (with circle symbol)	MAP NUMBER

SEE SHEET 5

NO SCALE

<p>MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1</p> <p>MONUMENT PERPETUATION (3 OF 13)</p>		
	<p>WBS # B-18212</p>	<p>SEE MAP</p>
		<p>150 Page</p>



MORUMENTATION / 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 67302.7 AND 67107 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.

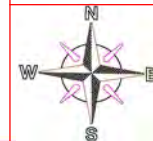
Pipeline Rehabilitation AY-1
Appendix G - Site Maps

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-10
⊕	LOCATION OF SURVEY BENCH MARK
Ⓢ	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

NO SCALE

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

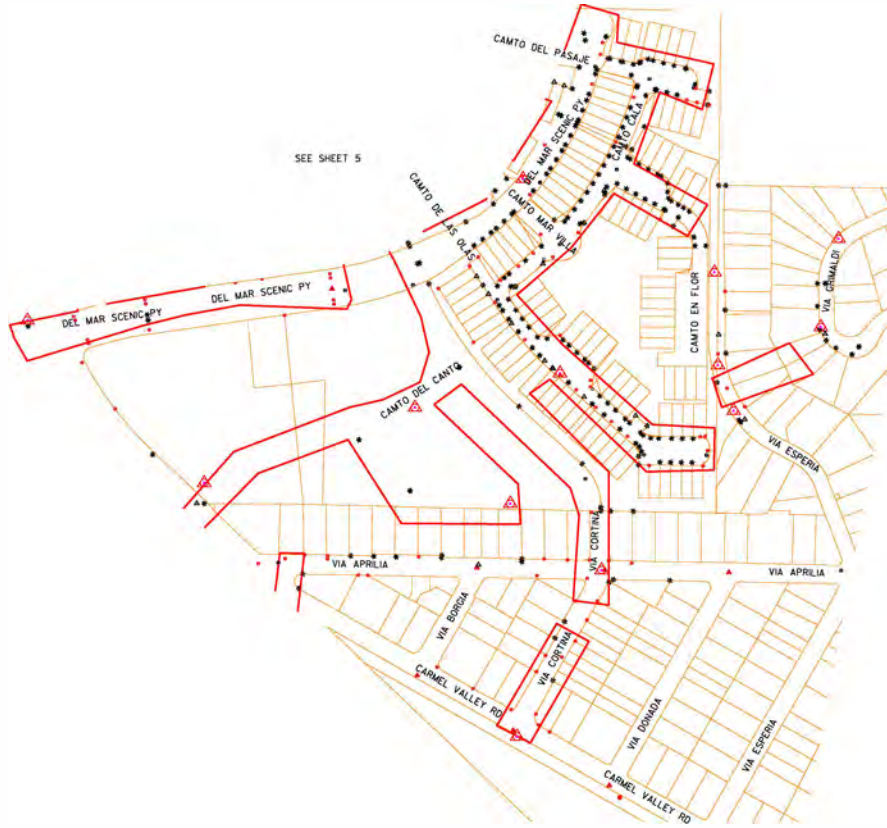
**MONUMENT PERPETUATION
(4 OF 13)**



WBS #
B-18212

SEE MAP

151 | Page



SEE SHEET 5

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

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 67302 AND 8717 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 MONUMENTS ARE FOUND TO BE 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 FIELD DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

Pipeline Rehabilitation AY-1
 Appendix G - Site Maps

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

NO SCALE

MAPS FOR THE CONSTRUCTION
 OF PIPELINE REHABILITATION AY 1

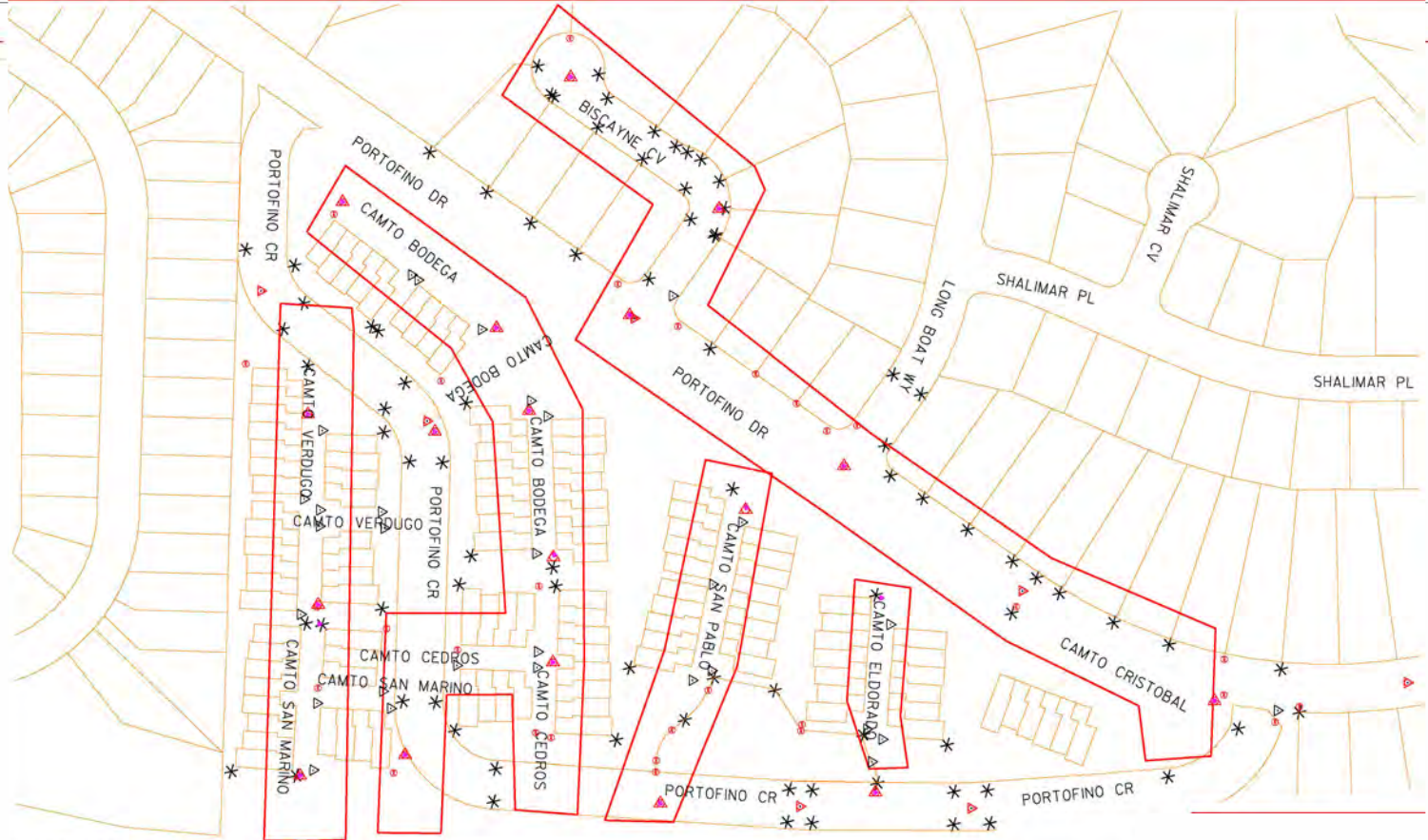
MONUMENT PERPETUATION
 (5 OF 13)



WBS #
 B 18212

SEE MAP

152 | Page



MONUMENTATION / SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT REFLECT 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 8130.2 AND 8171 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 NOTICED 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 NOTICED 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 FIELD DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND

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

NO SCALE

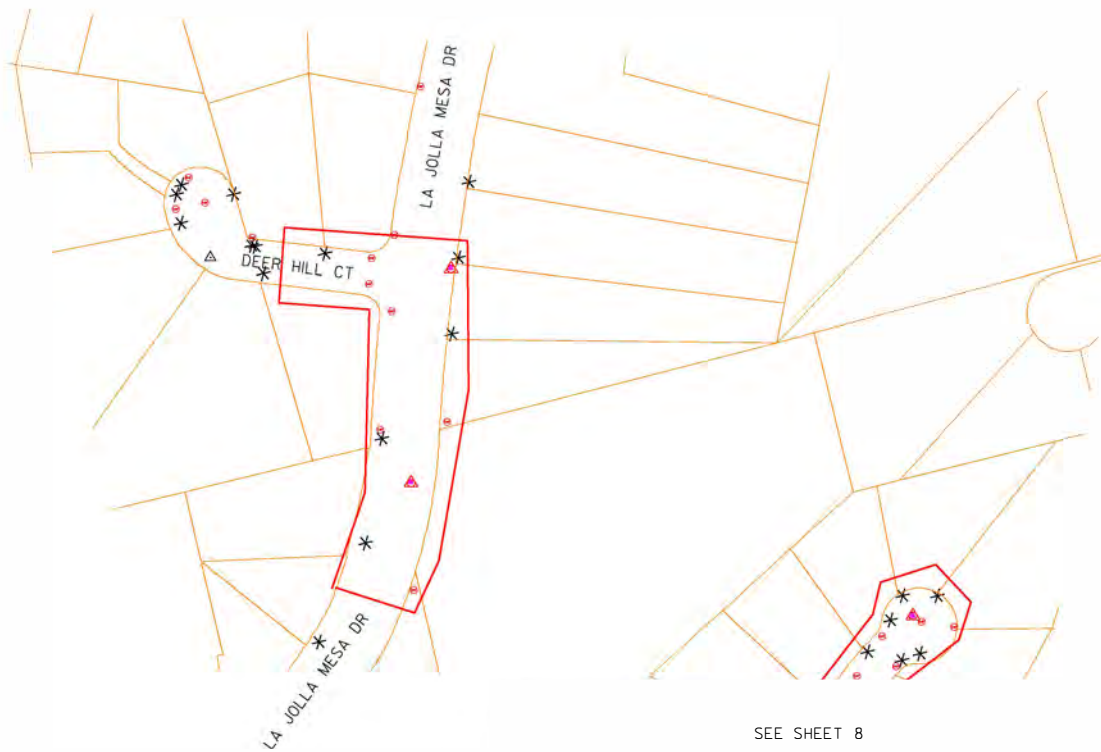
MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION
(6 OF 13)



WBS #
B-18212

SEE MAP



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 8130.2 AND 8171 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 DOCUMENTS SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

Pipeline Rehabilitation AY-1
Appendix G - Site Maps

LEGEND

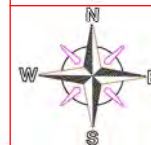
- * LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-10
- LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

SEE SHEET 8

NO SCALE

MAPS FOR THE CONSTRUCTION OF
PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION
(8 OF 13) SEE MAP



WBS #
B-18212



SEE RIGHT

L JOLLA CORONA DR

8067

8088



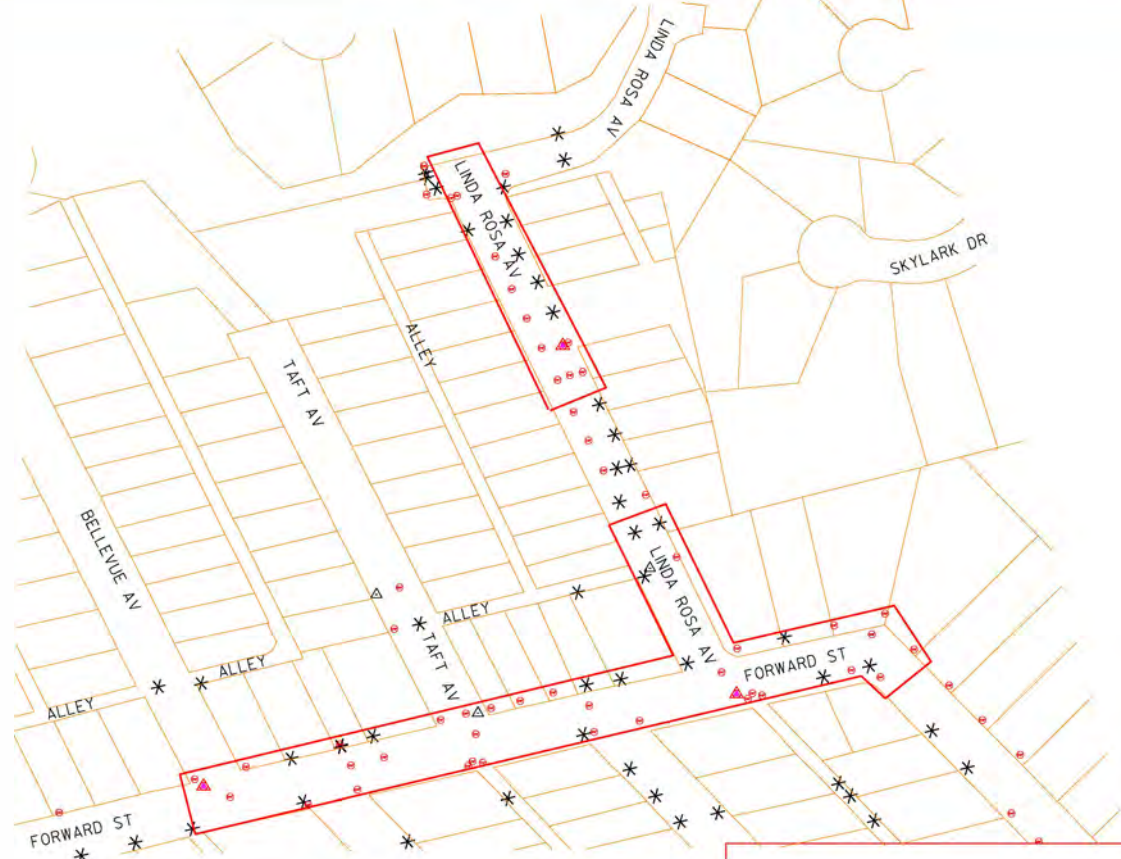
MONUMENTATION / SURVEY NOTES

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.

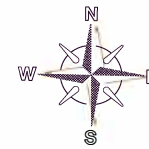
THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS, WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHING 10.2 AND 87.0 OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6 RECORD OR RECORD OF BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER T OF THE 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.

SEE LEFT



LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
▲	LOCATION OF EXISTING M-10
■	LOCATION OF SURVEY BENCH MARK
⊙	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER



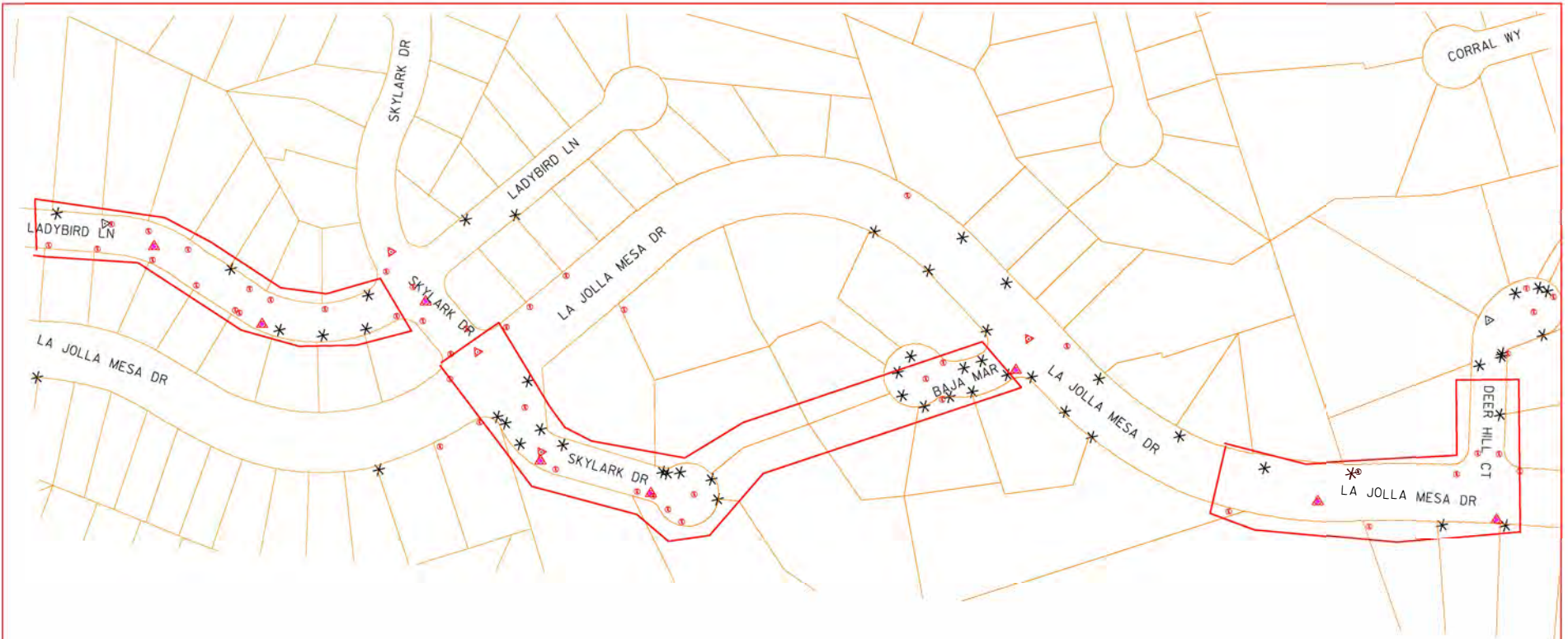
NO SCALE

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION (9 OF 13)

WBS # B-18212

SEE MAP



SEE SHEET 12

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 67002 AND 67102 OF THE BUSINESS AND PROFESSIONS CODES 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 CONTRACTOR. THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE #1 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.

INDICATOR OF A PREVIOUS SURVEY SECTION.

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-10
■	LOCATION OF SURVEY BENCH MARK
⊗	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

NO SCALE

<p>MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1</p> <p>MONUMENT PERPETUATION (10 OF 13)</p>	
	<p>WBS # B-18212</p>
<p>SEE MAP</p>	<p>157 Page</p>



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 670022 AND 87107 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.

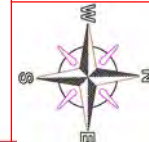
Pipeline Rehabilitation AY-1
Appendix G - Site Maps

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-10
⊠	LOCATION OF SURVEY BENCH MARK
⊕	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

SEE SHEET II
NO SCALE

MAPS FOR THE CONSTRUCTION OF
PIPELINE REHABILITATION AY-1

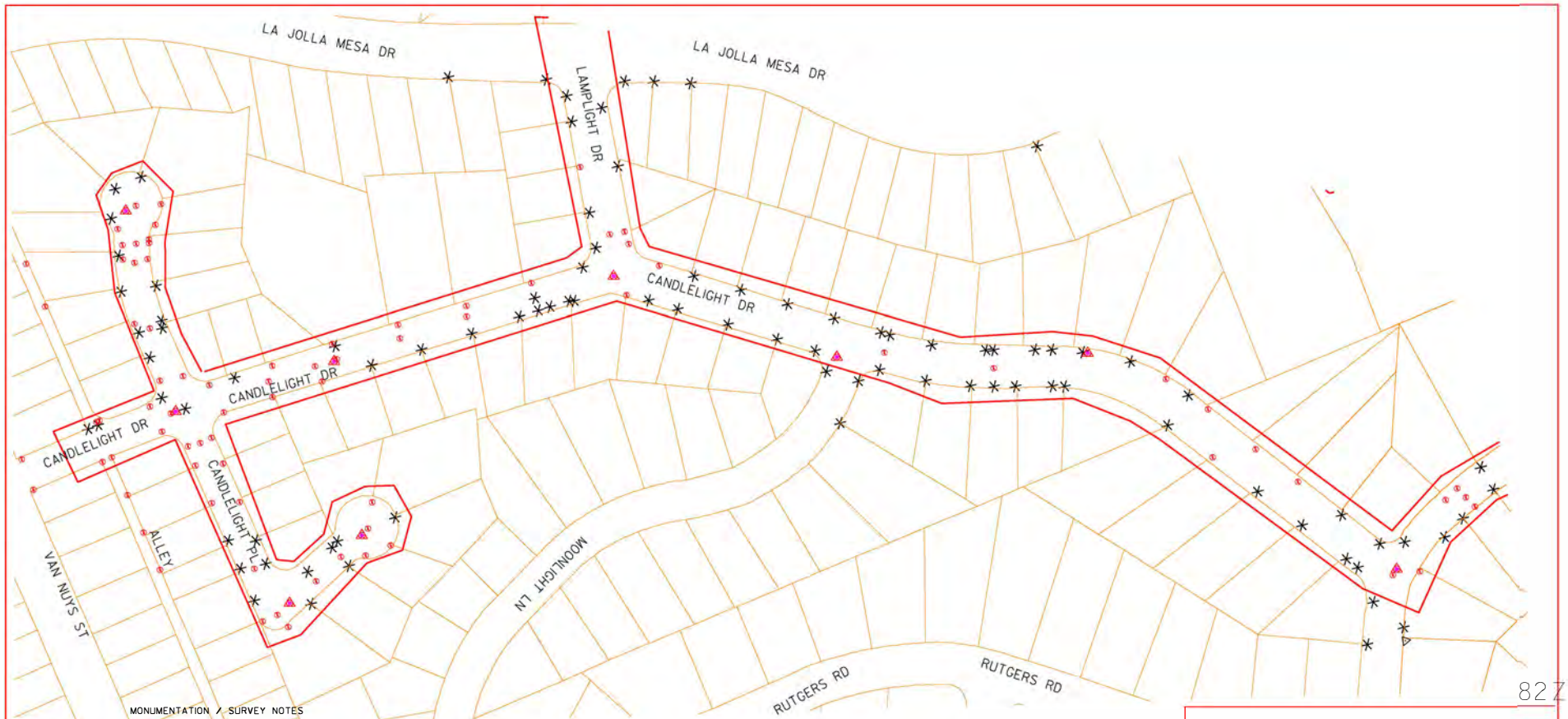
MONUMENT PERPETUATION
(11 OF 13)



WBS #
B-18212

SEE MAP

158 |
Page



827

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 8710 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.

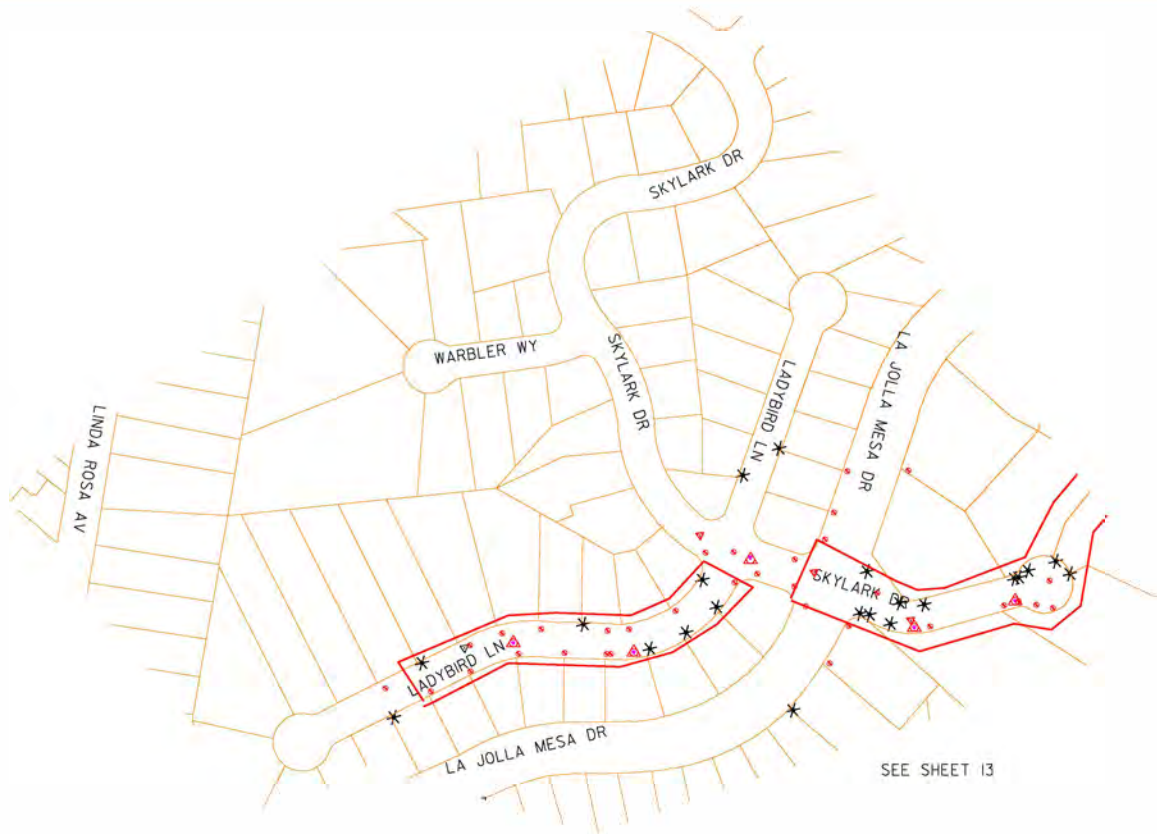
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED 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-10
■	LOCATION OF SURVEY BENCH MARK
⊙	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

SEE SHEET 14

NO SCALE

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1	
MONUMENT PERPETUATION (12 OF 13)	
	SEE MAP
WBS # B-18212	159 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 MONUMENT MONUMENTS, WHEN SETTING THE SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 873, BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS BEFORE THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOSS OF HORIZONTAL OR RECORD OF HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION. 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-I-O
- LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

NO SCALE

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION (13 OF 13)



WBS # B-18212

SEE MAP

160 | Page

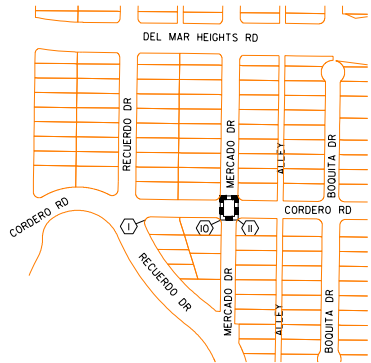
APPENDIX H
CURB RAMP MAP

GENERAL CURB RAMP NOTES:

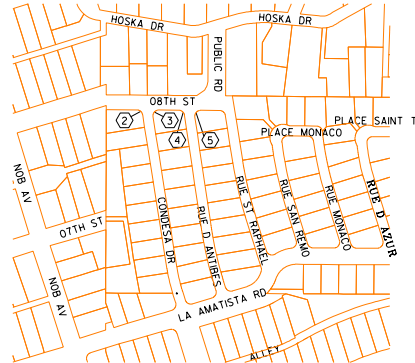
- CONTRACTOR TO GIVE 30 DAY ADVANCE NOTICE TO THE CM AND FS SURVEY SECTION TO RELOCATE ANY SURVEY MONUMENTS OR MARKER DISTURBED DURING CONSTRUCTION.
- HISTORIC STAMPS TO BE SAVED AND REINSTALLED PER SDG-115.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB RAMP, ADJACENT PAVEMENT, CURBS, GUTTERS, AND 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 (DWTW) 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

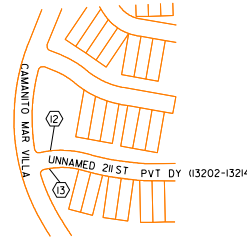
LOCATION NO.	CURB RAMP TYPE	CASE	APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
										STAINLESS STEEL	OTHER	
1	CI		8'	X						X		RELOCATE STOP LINE
2	CI		5'		X					X		PROTECT FIRE HYDRANT IN PLACE, PLACE CURB RAMP AT CONDESA DRIVE SIDE OF CURB RETURN, REPAIR CROSS GUTTER AT 8TH ST AND CONDESA DRIVE
3	CI		5'		X					X		
4	CI		5'		X					X		PROTECT ELECTRIC BOX IN PLACE, PLACE CURB RAMP AT RUE D ANTIBES SIDE OF CURB RETURN
5	CI		5'		X					X		PLACE CURB RAMP AT RUE D ANTIBES SIDE OF CURB RETURN
6	DUAL TYPE A		8'	X						X		INSTALL DUAL CURB RAMP (DOUBLE CURB RAMP) AT EACH CORNER OF THE INTERSECTION; RELOCATE THE PEDESTRIAN PUSH BUTTON TO COMPLY WITH MUTCD, AND ADA STANDARDS AND REQUIREMENTS, RESTRIPE THE CROSSWALK AND INSTALL CONTINENTAL CROSSWALK PER CITY OF SAN DIEGO STANDARDS AND UPDATE LIMIT LINES. ENSURE 48" MIN HORIZONTAL CLEARANCE OF SIGNAL POLES, IDENTIFY AND PROTECT THE SIGNAL POLES IN PLACE AND SIGNAL POLES MAY BE LOCATED WITHIN THE CURB RAMP FLARE.
7	DUAL TYPE A		8'	X						X		
8	DUAL TYPE C2		8'	X						X		INSTALL DUAL CURB RAMP AT THE SW AND SE CORNERS, ADJUST THE NEW YELLOW CONTINENTAL CROSSWALK TO ALIGN WITH NEW CURB RAMP PER CURRENT STANDARDS
9	DUAL TYPE C2		8'	X						X		
10	DUAL TYPE C1		5'	X						X		
11	DUAL TYPE C1		5'	X						X		
12	C2				X					X		COORDINATE WITH HOA TO INSTALL CURB RAMP
13	C2				X					X		COORDINATE WITH HOA TO INSTALL CURB RAMP



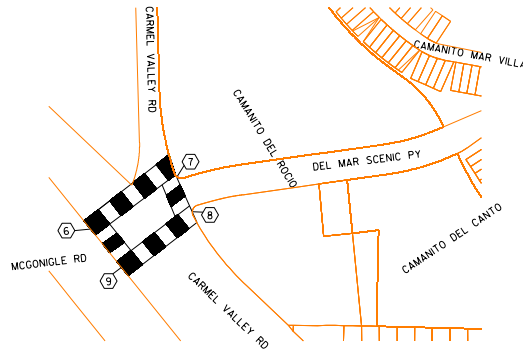
SITE 1



SITE 2



SITE 4



SITE 3

Pipeline Rehabilitation AY-1

Appendix H - Curb Ramp Map

LEGEND

- Ⓢ CURB RAMP NO'S
- ⊕ EX UTILITY POLE
- ⊕ EX FIRE HYDRANT
- ⊕ EX STREET LIGHT
- ⊕ EX TREE
- ⊕ EX STREET SIGN
- ⊕ EX CURB RAMP
- ⊕ PEDESTRIAN BARRICADE-TYPE A SDG-141
- ⊕ CROSS GUTTER
- ⊕ CONTINENTAL CROSSWALK PER SDM-116
- ⊕ CROSS GUTTER PROPOSED CURB RAMP PER STANDARD DRAWINGS: SDG-157
- ⊕ DUAL CURB RAMP SDG-134
- ⊕ CURB RAMP A & B SDG-132, SDG-133
- ⊕ CURB RAMP - TYPE C1 SDG-135, SDG-136
- ⊕ CURB RAMP - TYPE C2 SDG-135, SDG-136
- ⊕ CURB RAMP - TYPE D SDG-137
- ⊕ GENERAL CURB RAMP SDG-138
- ⊕ GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-131
- ⊕ EX STAMP/IMPRESSION PLACEMENT SDG-116

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AY-1

CURB RAMP LOCATION

NO SCALE

WBS #
B-18212

SEE MAP

162 | Page

CURB RAMP LOCATION

APPENDIX I
HAZARDOUS WASTE LABEL AND 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 ¹

If you have an emergency, Call 911

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

Questions for Incident Assessment:

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

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

Call 911 in an emergency

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

If in doubt, report the release.

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

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

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

2. ADMINISTRATIVE INFORMATION

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

3. CHEMICAL INFORMATION

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

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -	
B	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number
D	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"/>	
D	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
D	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
E	ACTIONS TAKEN		
F	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)		
F	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____		
F	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____		
F	<input type="checkbox"/> NOTKNOWN (explain) _____		
G	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
H	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
I	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.		
I	REPORTING FACILITY REPRESENTATIVE (print or type) _____		
I	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____		

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

APPENDIX J
SAMPLE PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
• Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
• This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
• Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
• Parking restrictions will exist because of the presence of construction equipment and materials.
• "No Parking" signs will be displayed 72 hours in advance of the work.
• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
• 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

APPENDIX K
SAMPLE ARCHAEOLOGY INVOICE

(FOR ARCHAEOLOGY ONLY)

Company Name

Address, telephone, fax

Date: Insert Date

To: Name of Resident Engineer
City of San Diego
Construction Management and
Field Services Division
9573 Chesapeake Drive
San Diego, CA 92123-1304

Project Name: Insert Project Name

SAP Number (WBS/IO/CC): Insert SAP Number

Drawing Number: Insert Drawing Number

Invoice period: Insert Date to Insert Date

Work Completed: Bid item Number – Description of Bid Item – Quantity – Unit Price– Amount

Detailed summary of work completed under this bid item: Insert detailed description of Work related to Archaeology Monitoring Bid item. See Note 1 below.

Summary of charges:

Description of Services	Name	Start Date	End Date	Total Hours	Hourly Rate	Amount
Field Archaeologist	Joe Smith	8/29/2011	9/2/2011	40	\$84	\$3,360
Laboratory Assistant	Jane Doe	8/29/2011	9/2/2011	2	\$30	\$60
Subtotal						\$3,420

Work Completed: Bid item Number – Description of Bid Item – Quantity – Unit Price– Amount

Detailed summary of work completed under this bid item: Insert detailed description of Work related to Archaeology Curation/Discovery Bid item. See Note 2 below.

Summary of charges:

Description of Services	Where work occurred (onsite vs offsite/lab)	Name	Start Date	End Date	Total Hours	Hourly Rate	Amount
Field Archaeologist		Joe Smith	8/29/2011	9/2/2011	40	\$84	\$3,360
Laboratory Assistant		Jane Doe	8/29/2011	9/2/2011	2	\$30	\$60
Subtotal							\$3,420

Total this invoice: \$ _____

Total invoiced to date: \$ _____

Note 1:

For monitoring related bid items or work please include summary of construction work that was monitored from Station to Station, Native American monitors present, MMC coordination, status and nature of monitoring and if any discoveries were made.

Note 2:

For curation/discovery related bid items or work completed as part of a discovery and curation process, the PI must provide a response to the following questions along with the invoice:

1. Preliminary results of testing including tentative recommendations regarding eligibility for listing in the California Register of Historical Resources (California Register).
 - a. Please briefly describe your application (consideration) of all four California Register criteria.
 - b. If the resource is eligible under Criterion D, please define the important information that may be present.
 - c. Were specialized studies performed? How many personnel were required? How many Native American monitors were present?
 - d. What is the age of the resource?
 - e. Please define types of artifacts to be collected and curated, including quantity of boxes to be submitted to the San Diego Archaeological Center (SDAC). How many personnel were required? How many Native American monitors were present?
2. Preliminary results of data recovery and a definition of the size of the representative sample.
 - a. Were specialized studies performed? Please define types of artifacts to be collected and curated, including quantity of boxes to be submitted to the SDAC. How many personnel were required? How many Native American monitors were present?
3. What resources were discovered during monitoring?
4. What is the landform context and what is the integrity of the resources?
5. What additional studies are necessary?
6. Based on application of the California Register criteria, what is the significance of the resources?
 - a. If the resource is eligible for the California Register, can the resource be avoided by construction?
 - b. If not, what treatment (mitigation) measures are proposed? Please define data to be recovered (if necessary) and what material will be submitted to the SDAC for curation. Are any specialized studies proposed?

(After the first invoice, not all the above information needs to be re-stated, just revise as applicable).

APPENDIX L
SEWER MAINS PIPELINE REHABILITATION AY-1 SPREADSHEETS

PIPELINE REHABILITATION AY-1 B-18212 PIPELINE SPREADSHEET																		
Sheet No.	FSN	SIZE(Inches)	MATL	LENGTH (feet)	LATERALS	US FIELD BOOK	US MH ID	US MH IE	US MH DEPTH	DS FIELD BOOK	DS MH ID	DS MH IE	DS MH DEPTH	INSTALL DATE	ACTION	STREET NAME	COMMUNITY	COUNCIL DISTRICT
1	1525	8	VC	260	10	B01N	160	241.7	6	B01N	162	240.4	6	1/1/1969	REHAB	CONDESA DRIVE	TORREY PINES	1
1	1526	8	VC	350	10	B01N	162	240.4	6	B01N	164	230.04	9	1/1/1969	REHAB	CONDESA DRIVE	TORREY PINES	1
1	1527	8	VC	144	0	B01N	164	230.04	9	B01N	163	215.12	11	1/1/1969	REHAB	08TH STREET	TORREY PINES	1
1	1529	8	VC	108	0	B01N	166	269.5	7	B01N	165	255.2	8	1/1/1969	REHAB	RUE ST RAPHAEL	TORREY PINES	1
1	1530	8	VC	301	5	B01N	168	272.51	7	B01N	166	269.5	7	1/1/1969	REHAB	RUE ST RAPHAEL	TORREY PINES	1
1	1531	8	VC	205	4	B01N	169	273.54	7	B01N	168	272.51	7	1/1/1969	REHAB	RUE ST RAPHAEL	TORREY PINES	1
1	1528	8	VC	178	3	B01N	165	255.2	8	B01N	164	230.04	9	1/1/1969	REHAB & POINT REPAIR	08TH STREET	TORREY PINES	1
2	1567	8	VC	265	5	B01N	145	330.36	8	B01N	22	328.39	8	1/1/1962	REHAB	PINE NEEDLES DRIVE	TORREY PINES	1
2	1568	8	VC	350	6	B01S	22	328.39	8	B01S	23	324.98	8	1/1/1962	REHAB	PINE NEEDLES DRIVE	TORREY PINES	1
2	1569	8	VC	175	2	B01S	23	324.88	8	B01S	24	308.12	12	1/1/1962	REHAB	CORDERO ROAD	TORREY PINES	1
2	1570	8	VC	90	3	B01S	25	321.36	7	B01S	26	321	8	1/1/1962	REHAB	PINE NEEDLES DRIVE	TORREY PINES	1
2	1509	8	VC	160	4	B01N	144	331.08	9	B01N	145	330.36	8	1/1/1962	REHAB	PINE NEEDLES DRIVE	TORREY PINES	1
2	1560	8	VC	70	2	B01S	16	324	7	B01S	15	323.08	8	1/1/1962	REHAB	PINE NEEDLES DRIVE	TORREY PINES	1
2	1573	8	VC	320	6	B01S	24	308.12	12	B01S	31	276.8	15	1/1/1962	REHAB	CORDERO ROAD	TORREY PINES	1
2	1574	8	VC	915	11	B01S	31	276.8	15	B01S	34	0	11	1/1/1962	REHAB	CORDERO ROAD	TORREY PINES	1
2	1583	8	VC	350	6	B01S	41	309.2	16	B01S	24	308.12	12	1/1/1962	REHAB	ALLEY	TORREY PINES	1
2	1585	8	VC	152	4	B01N	143	310.82	5	B01N	42	310.21	8	1/1/1962	REHAB	ALLEY	TORREY PINES	1
2	1584	8	VC	230	5	B01S	42	310.21	8	B01S	41	309.2	16	1/1/1962	REHAB & POINT REPAIR	ALLEY	TORREY PINES	1
3	1566	8	VC	350	14	B01N	146	352.71	7	B01N	21	351.45	8	1/1/1961	REHAB	NOGALES DRIVE	TORREY PINES	1
3	5190735	8	VC	155	7	B01S	188	355.6	0	B01S	53	354.71	11	1/1/1961	REHAB	MAR SCENIC DRIVE	TORREY PINES	1
3	1510	8	VC	113	5	B01N	147	353.16	6	B01N	146	352.71	7	1/1/1966	REHAB	NOGALES DRIVE	TORREY PINES	1
3	1542	8	VC	5	1	B01N	75	348.75	7	B01N	76	348.55	6	1/1/1961	REHAB	MAR SCENIC DRIVE	TORREY PINES	1
3	1562	8	VC	280	10	B01S	18	348.82	14	B01S	19	347.91	13	1/1/1961	REHAB	NOGALES DRIVE	TORREY PINES	1
3	1563	8	VC	95	4	B01S	19	347.91	13	B01S	214	347.13	11	1/1/1961	REHAB	NOGALES DRIVE	TORREY PINES	1
3	1565	8	VC	303	6	B01S	21	351.45	8	B01S	219	347.13	9	1/1/1961	REHAB	NOGALES DRIVE	TORREY PINES	1
3	1596	8	VC	301	12	B01S	51	347.34	11	B01S	216	346.07	14	1/1/1961	REHAB	MAR SCENIC DRIVE	TORREY PINES	1
3	1595	8	VC	280	9	B01N	76	348.55	6	B01S	51	347.34	11	1/1/1961	REHAB	MAR SCENIC DRIVE	TORREY PINES	1
3	1597	8	VC	290	12	B01S	53	354.71	11	B01S	217	346.07	14	1/1/1961	REHAB	MAR SCENIC DRIVE	TORREY PINES	1
3	5458237	8	VC	85	4	B01S	219	347.13	9	B01S	215	348.04	9	5/18/1999	REHAB	NOGALES DRIVE	TORREY PINES	1
3	1561	8	VC	140	8	B01S	17	349.38	18	B01S	18	348.82	14	1/1/1961	REHAB	NOGALES DRIVE	TORREY PINES	1
4	1605	8	VC	350	10	B01N	77	356.65	10	B01N	59	354.92	11	1/1/1961	REHAB	RECUERDO DRIVE	TORREY PINES	1
4	1606	8	VC	290	9	B01S	59	354.92	11	B01S	61	352.18	6	1/1/1961	REHAB	RECUERDO DRIVE	TORREY PINES	1
4	1610	8	VC	220	2	B01S	63	355.33	8	B01S	61	352.18	6	1/1/1961	REHAB	RECUERDO DRIVE	TORREY PINES	1
4	1611	8	VC	348	2	B01S	67	354.87	17	B01S	61	352.18	6	1/1/1961	REHAB & POINT REPAIR	CORDERO ROAD	TORREY PINES	1
5	1387	8	VC	360	11	B01N	10	358.45	8	B01N	12	357.05	8	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
5	1386	8	VC	313	10	B01N	9	359.7	8	B01N	10	358.45	8	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
5	1388	8	VC	188	5	B01N	11	357.8	7	B01N	12	357.05	8	1/1/1968	REHAB	RECUERDO COVE	TORREY PINES	1
5	1378	8	VC	350	5	B01N	1	361.1	9	B01N	9	359.7	8	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
5	1379	8	VC	168	3	B01N	2	362.78	9	B01N	1	361.1	9	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
5	1380	8	VC	140	4	B01N	3	375.94	7	B01N	2	362.78	9	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
6	1389	8	VC	303	10	B01N	12	357.05	8	B01N	63	355.84	11	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
6	1429	8	VC	121	1	B01N	52	353.49	10	B01N	53	353.01	6	1/1/1968	REHAB	LOZANA ROAD	TORREY PINES	1
6	1430	8	VC	260	2	B01N	50	354.53	9	B01N	52	353.49	10	1/1/1968	REHAB	LOZANA ROAD	TORREY PINES	1
6	1431	8	VC	61	0	B01N	51	354.77	9	B01N	50	354.53	9	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
6	1432	8	VC	114	1	B01N	49	355.23	4	B01N	51	354.77	9	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
6	1433	8	VC	153	1	B01N	63	355.84	11	B01N	49	355.23	4	1/1/1968	REHAB	RECUERDO DRIVE	TORREY PINES	1
6	1434	8	VC	100	1	B01N	62	361.86	7	B01N	63	355.84	11	1/1/1968	REHAB & POINT REPAIR	RECUERDO DRIVE	TORREY PINES	1
6	1435	8	VC	180	8	B01N	61	367.26	7	B01N	62	361.86	7	1/1/1968	REHAB & POINT REPAIR	RECUERDO DRIVE	TORREY PINES	1
7	1485	8	VC	30	2	B01N	113	366.44	10	B01N	114	361.94	12	1/1/1968	REHAB	LOZANA ROAD	TORREY PINES	1
7	1401	8	VC	53	2	B01N	24	397.33	9	B01N	25	397.12	10	1/1/1967	REHAB	BOQUITA DRIVE	TORREY PINES	1
7	1402	8	VC	123	7	B01N	23	401.78	9	B01N	25	397.12	10	1/1/1967	REHAB	MISSION CARMEL COVE	TORREY PINES	1
7	1403	8	VC	268	4	B01N	25	397.12	10	B01N	121	396.05	16	1/1/1967	REHAB	BOQUITA DRIVE	TORREY PINES	1
7	1471	8	VC	192	0	B01N	99	288.87	7	B01N	512	288.11	6	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1472	8	VC	150	0	B01N	101	291.72	11	B01N	99	288.87	7	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1473	8	VC	19	0	B01N	100	0	0	B01N	99	288.87	7	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1474	8	VC	187	0	B01N	102	294.79	17	B01N	101	291.72	11	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1475	8	VC	125	0	B01N	104	300.17	20	B01N	102	294.79	17	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1480	8	VC	195	0	B01N	108	308	21	B01N	104	300.17	20	1/1/1968	REHAB	EASEMENT	TORREY PINES	1
7	1483	8	VC	353	3	B01N	114	361.94	12	B01N	108	308	21	1/1/1968	REHAB	LOZANA ROAD	TORREY PINES	1
7	1484	8	VC	110	1	B01N	112	382.91	10	B01N	113	366.44	10	1/1/1968	REHAB	LOZANA ROAD	TORREY PINES	1
7	1486	8	VC	214	6	B01N	115	375.47	7	B01N	113	366.44	10	1/1/1971	REHAB & POINT REPAIR	MIRA MONTANA DRIVE	TORREY PINES	1
7	1487	8	VC	125	5	B01N	117	386.99	7	B01N	115	375.47	7	1/1/1971	REHAB & POINT REPAIR	MIRA MONTANA DRIVE	TORREY PINES	1
8	1705	8	VC	317	0	B01S	173	105.39	8	B01S	170	104.12	6	1/1/1972	REHAB & POINT REPAIR	CAMTO MAR VILLA	TORREY PINES	1
8	1706	8	VC	215	0	B01S	176	129.48	7	B01S	173	105.39	8	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1
8	1707	8	VC	197	3	B01S	175	132.64	8	B01S	176	129.48	7	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1708	8	VC	241	0	B01S	177	164.71	7	B01S	176	129.48	7	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1
8	1709	8	VC	315	7	B01S	178	166.6	8	B01S	177	164.71	7	1/1/1972	REHAB & POINT REPAIR	PRIVATE DRIVEWAY	TORREY PINES	1
8	1710	8	VC	272	0	B01S	180	200.27	7	B01S	177	164.71	7	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1
8	1711	8	VC	292	6	B01S	179	202.61	8	B01S	180	200.27	7	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1712	8	VC	167	0	B01S	181	219.29	8	B01S	180	200.27	7	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1
8	1713	8	VC	213	7	B01S	182	229.85	8	B01S	184	224.75	6	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1714	8	VC	64	0	B01S	184	224.75	6	B01S	181	219.29	8	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1715	8	VC	163	4	B01S	183	246.26	8	B01S	184	224.75	6	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1716	8	VC	55	0	B01S	185	222.16	8	B01S	181	219.29	8	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1
8	1717	8	VC	141	4	B01S	187	222.72	8	B01S	185	222.16	8	1/1/1972	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
8	1718	8	VC	107	6	B01S	186	223.66	7	B01S	185	222.16	8	1/1/1972	REHAB	CAMTO MAR VILLA	TORREY PINES	1

9	1673	8	VC	90	0	B01S	132	118.4	6	B01S	133	117.54	7	5/27/1974	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	5458299	10	VC	340	1	B01S	210	138.55	0	B01S	133	117.54	7	5/27/1974	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1698	8	VC	202	10	B01S	163	98.5	9	B01S	31	25.4	11	1/1/1970	REHAB	CAMTO DEL BARCO	TORREY PINES	1
9	1699	8	VC	179	11	B01S	164	44.7	11	B01S	163	38.5	9	1/1/1970	REHAB	CAMTO DEL BARCO	TORREY PINES	1
9	1700	8	VC	244	9	B01S	166	61	12	B01S	17	43.2	11	1/1/1970	REHAB	CAMTO DEL BARCO	TORREY PINES	1
9	1701	8	VC	194	11	B01S	165	67	11	B01S	166	61	12	1/1/1972	REHAB	CAMTO DEL BARCO	TORREY PINES	1
9	1702	8	VC	200	7	B01S	169	89.5	11	B01S	167	85	15	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
9	1703	8	VC	350	11	B01S	167	85	15	B01S	12	82	10	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
9	1704	8	VC	344	1	B01S	170	104.12	6	B01S	168	101.37	12	5/27/1974	REHAB	CAMTO MAR VILLA	TORREY PINES	1
9	1763	8	VC	209	0	B02S	23	7.26	5	B02S	25	5.45	2	1/1/1970	REHAB & POINT REPAIR	DEL MAR SCENIC PY	TORREY PINES	1
9	1764	8	VC	108	0	B02S	22	8.3	11	B02S	23	7.26	5	1/1/1970	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1765	8	VC	254	1	B02S	9	29.5	9	B02S	22	8.3	11	1/1/1970	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1766	8	VC	79	2	B02S	21	33	11	B02S	9	29.5	9	1/1/1970	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1767	8	VC	258	0	B02S	10	48.8	9	B02S	9	29.5	9	1/1/1970	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1768	8	VC	108	2	B02S	11	53.5	11	B02S	10	48.8	9	1/1/1970	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1769	8	VC	211	14	B02S	13	59.7	11	B02S	11	53.5	11	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
9	1770	8	VC	312	8	B02S	12	82	10	B02S	75	70	5	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
9	1771	8	VC	365	22	B01S	168	101.37	12	B01S	74	99.91	12	5/27/1974	REHAB	CAMTO MAR VILLA	TORREY PINES	1
9	1772	8	VC	208	11	B02S	16	65.51	11	B02S	15	58.21	11	1/1/1970	REHAB	CAMTO DEL ROCIO	TORREY PINES	1
9	1773	8	VC	88	6	B02S	14	60.6	12	B02S	13	59.7	11	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
9	1774	8	VC	102	0	B02S	15	58.21	11	B02S	18	37.8	16	1/1/1970	REHAB	CAMTO DEL ROCIO	TORREY PINES	1
9	1775	8	VC	226	13	B02S	18	37.8	16	B02S	21	33	11	1/1/1970	REHAB	CAMTO DEL ROCIO	TORREY PINES	1
9	1776	8	VC	58	0	B02S	20	38	11	B02S	18	37.8	16	1/1/1970	REHAB	CAMTO DEL ROCIO	TORREY PINES	1
9	1777	8	VC	167	9	B02S	17	43.2	11	B02S	20	38	11	1/1/1970	REHAB	CAMTO DEL ROCIO	TORREY PINES	1
9	1778	8	VC	162	8	B02S	31	25.4	11	B02S	30	17.3	13	1/1/1970	REHAB & POINT REPAIR	PRIVATE DRIVEWAY	TORREY PINES	1
9	1779	8	VC	278	12	B02S	30	17.3	13	B02S	23	7.26	5	1/1/1970	REHAB & POINT REPAIR	DEL MAR SCENIC PY	TORREY PINES	1
9	1809	10	VC	340	1	B01S	133	117.54	7	B01S	53	92.21	7	1/1/1961	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1826	10	VC	310	0	B02S	54	89.89	8	B02S	72	65.86	12	1/1/1961	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1827	8	VC	124	4	B02S	73	97.38	10	B02S	54	89.89	8	5/27/1974	REHAB	CAMTO MAR VILLA	TORREY PINES	1
9	1828	8	VC	252	10	B02S	74	99.91	12	B02S	73	97.38	10	5/27/1974	REHAB	CAMTO MAR VILLA	TORREY PINES	1
9	1829	8	VC	48	0	B02S	75	70	5	B02S	72	65.86	12	1/1/1961	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
9	1927	10	VC	42	0	B02S	53	92.21	7	B02S	54	89.89	8	1/1/1961	REHAB	DEL MAR SCENIC PY	TORREY PINES	1
10	1674	8	VC	70	2	B01S	134	123.58	5	B01S	135	122.88	9	5/27/1974	REHAB	CAMTO DEL PASAJE	TORREY PINES	1
10	1675	8	VC	110	8	B01S	136	123.98	9	B01S	135	122.88	9	5/27/1974	REHAB	CAMTO DEL PASAJE	TORREY PINES	1
10	1755	8	VC	254	6	B02S	84	25.51	10	B02S	7	24.5	13	1/1/1970	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1757	8	VC	285	1	B02S	7	24.5	13	B02S	6	12.25	11	1/1/1970	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1759	8	VC	201	0	B02S	6	12.25	11	B02S	5	4.5	0	1/1/1970	REHAB & POINT REPAIR	CARMEL VALLEY RD	TORREY PINES	1
10	1798	8	VC	164	1	B02S	44	125	11	B02S	58	87.51	16	1/1/1961	REHAB & POINT REPAIR	VIA ESPERIA	TORREY PINES	1
10	1807	8	VC	210	11	B02S	51	109.41	8	B02S	52	105.21	9	5/27/1974	REHAB	CAMTO EN FLOR	TORREY PINES	1
10	1808	8	VC	280	6	B01S	135	122.88	9	B01S	52	105.21	9	5/27/1974	REHAB	CAMTO CALA	TORREY PINES	1
10	1810	8	VC	398	8	B02S	52	105.21	9	B02S	56	78.16	9	5/27/1974	REHAB	CAMTO CALA	TORREY PINES	1
10	1811	8	VC	37	0	B02S	56	78.16	9	B02S	70	75.94	9	5/27/1974	REHAB	CAMTO CALA	TORREY PINES	1
10	1812	8	VC	376	22	B02S	62	72.46	9	B02S	57	70.58	8	5/27/1974	REHAB	CAMTO DE LAS OLAS	TORREY PINES	1
10	1813	8	VC	110	8	B02S	61	73.56	9	B02S	62	72.46	9	5/27/1974	REHAB	CAMTO DE LAS OLAS	TORREY PINES	1
10	1814	10	VC	40	0	B02S	63	47.73	17	B02S	95	47.1	14	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1815	10	VC	256	0	B02S	64	50.93	13	B02S	63	47.73	17	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1816	8	VC	33	1	B02S	65	55	11	B02S	63	47.73	17	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1817	8	VC	117	6	B02S	66	38.49	12	B02S	85	36.5	8	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1818	8	VC	176	12	B02S	81	41.5	11	B02S	66	38.49	12	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1819	10	VC	50	0	B02S	69	51.8	12	B02S	64	50.93	13	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1820	8	VC	277	8	B02S	67	60.71	13	B02S	65	55	11	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1821	8	VC	155	0	B02S	57	70.58	8	B02S	69	51.8	12	5/27/1974	REHAB	CAMTO DE LAS OLAS	TORREY PINES	1
10	1822	8	VC	206	10	B02S	70	75.94	9	B02S	57	70.58	8	5/27/1974	REHAB	CAMTO DE LAS OLAS	TORREY PINES	1
10	1823	8	VC	105	5	B02S	68	62	12	B02S	67	60.71	13	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1824	10	VC	300	0	B02S	71	55.48	13	B02S	69	51.8	12	1/1/1970	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1825	8	VC	75	4	B02S	55	76.69	8	B02S	70	75.94	9	5/27/1974	REHAB	CAMTO DE LAS OLAS	TORREY PINES	1
10	1830	8	VC	136	4	B02S	77	62	12	B02S	79	57.3	12	1/1/1961	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1833	8	VC	266	3	B02S	79	57.3	12	B02S	80	26	15	1/1/1970	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1834	8	VC	250	1	B02S	86	36.33	8	B02S	84	25.51	10	1/1/1970	REHAB	EASEMENT	TORREY PINES	1
10	1839	10	VC	225	1	B02S	92	17	7	B02S	91	-0.03	8	1/1/1961	REHAB	VIA CORTINA	TORREY PINES	1
10	1843	10	VC	225	1	B02S	95	47.1	14	B02S	96	33.56	9	1/1/1961	REHAB	VIA CORTINA	TORREY PINES	1
10	1931	8	VC	35	2	B02S	85	36.5	8	B02S	86	36.33	8	1/1/1970	REHAB	PRIVATE DRIVEWAY	TORREY PINES	1
10	1844	10	VC	25	0	B02S	96	33.56	9	B02S	97	31.74	9	1/1/1961	REHAB	VIA CORTINA	TORREY PINES	1
10	1929	10	VC	120	0	B02S	72	65.86	12	B02S	71	55.48	13	1/1/1961	REHAB	CAMTO DEL CANTO	TORREY PINES	1
10	1933	8	VC	62	0	B02S	3	7.72	7	B02S	1	2.58	8	1/1/1961	REHAB	CARMEL VALLEY RD	TORREY PINES	1

11	6421	8	VC	49	0	C01S	181	134.56	10	C01S	180	121.71	13	1/1/1970	REHAB	PORTOFINO DRIVE	TORREY PINES	1
11	6665	8	VC	312	4	C02S	5	164.7	8	C02S	8	153.16	10	1/1/1970	REHAB	PORTOFINO DRIVE	TORREY PINES	1
11	6667	8	VC	182	1	C02S	4	169.43	8	C02S	5	164.7	8	1/1/1970	REHAB	BISCAYNE COVE	TORREY PINES	1
11	6668	8	VC	242	9	B02S	251	0	0	B02S	4	169.43	8	1/1/1970	REHAB	BISCAYNE COVE	TORREY PINES	1
11	6669	8	VC	200	9	C02S	23	128.88	7	C02S	22	124.98	8	1/1/1970	REHAB	CAMTO BODEGA	TORREY PINES	1
11	6670	8	VC	121	0	C02S	22	124.98	8	C02S	21	116.31	7	1/1/1970	REHAB	CAMTO BODEGA	TORREY PINES	1
11	6671	8	VC	915	20	C02S	21	116.31	7	C02S	20	110	7	1/1/1970	REHAB	CAMTO BODEGA	TORREY PINES	1
11	6672	8	VC	185	1	C02S	17	110.65	8	C02S	18	104.37	8	1/1/1970	REHAB	CAMTO SAN PABLO	TORREY PINES	1
11	6673	8	VC	190	17	C02S	7	112.6	8	C02S	17	110.65	8	1/1/1970	REHAB	CAMTO SAN PABLO	TORREY PINES	1
11	6674	8	VC	268	4	C02S	8	153.16	10	C02S	11	142.18	8	1/1/1970	REHAB	PORTOFINO DRIVE	TORREY PINES	1
11	6675	8	VC	110	10	C02S	9	114.18	7	C02S	15	113.06	6	1/1/1970	REHAB	CAMTO ELDORADO	TORREY PINES	1
11	6676	8	VC	212	3	C02S	11	142.18	8	C02S	181	134.56	10	1/1/1970	REHAB	PORTOFINO DRIVE	TORREY PINES	1
11	6685	8	VC	80	4	C02S	19	110.8	7	C02S	20	110	7	1/1/1970	REHAB	CAMTO CEDROS	TORREY PINES	1
11	6686	8	VC	152	0	C02S	25	104.6	8	C02S	26	101.28	9	1/1/1970	REHAB	PORTOFINO	TORREY PINES	1
11	6687	8	VC	154	8	C02S	20	110	7	C02S	25	104.6	8	1/1/1970	REHAB	CAMTO CEDROS	TORREY PINES	1
11	6688	8	VC	278	17	C02S	33	108.36	7	C02S	32	100.72	10	1/1/1970	REHAB	CAMTO VERDUGO	TORREY PINES	1
11	6689	8	VC	200	15	C02S	24	110.35	8	C02S	33	108.36	7	1/1/1970	REHAB	CAMTO VERDUGO	TORREY PINES	1
12	1051	8	VC	147	4	A12S	272	325.81	5	A12S	274	325.81	5	1/1/1979	REHAB	LA JOLLA CORONA DRIVE	LA JOLLA	1
12	1275	8	PVC	228	12	A13S	92	205.94	14	A13S	91	203.57	11	1/1/1979	REHAB	LINDA ROSA AV	LA JOLLA	1
12	1270	8	VC	183	6	A13S	84	163.12	8	A13S	85	157.12	5	9/1/1926	REHAB	FORWARD STREET	LA JOLLA	1
12	1277	8	VC	210	3	A13S	86	158.92	11	A13S	85	157.12	5	8/1/1956	REHAB	LINDA ROSA AV	LA JOLLA	1
12	1278	8	VC	297	7	A13S	85	157.12	5	A13S	97	141.12	5	9/1/1926	REHAB	FORWARD STREET	LA JOLLA	1
12	1285	8	VC	297	7	A13S	97	141.12	5	A13S	100	132.12	5	9/1/1926	REHAB	FORWARD STREET	LA JOLLA	1
13	3485	8	VC	110	3	B12S	269	467.12	7	B12S	335	465.06	6	10/22/1956	REHAB	DEER HILL CT	LA JOLLA	1
13	3509	8	VC	423	6	B12S	285	388.66	8	B12S	304	336.38	7	1/1/1978	REHAB	BAJA MAR	LA JOLLA	1
13	3551	8	VC	326	3	B12S	335	465.06	6	B12S	334	436.92	5	9/30/1956	REHAB	LA JOLLA MESA DRIVE	LA JOLLA	1
13	3583	8	VC	361	4	B12S	304	336.38	7	B12S	12	295.62	15	1/1/1978	REHAB	SKYLARK DRIVE	LA JOLLA	1
13	3596	8	VC	114	4	B13S	25	266.84	7	B13S	26	262.12	6	4/18/1958	REHAB	LADYBIRD LANE	LA JOLLA	1
13	3597	8	VC	210	6	B13S	24	277.33	8	B13S	25	266.84	7	4/18/1958	REHAB	LADYBIRD LANE	LA JOLLA	1
13	3598	8	VC	135	4	B13S	14	284.08	7	B13S	24	277.33	8	4/18/1958	REHAB	LADYBIRD LANE	LA JOLLA	1
14	3520	8	VC	152	2	B12S	305	361.55	6	B12S	306	360.82	7	1/1/1970	REHAB	VISTA CLARIDAD	LA JOLLA	1
14	3521	8	VC	189	5	B12S	319	365.13	7	B12S	305	361.55	6	1/1/1970	REHAB	VISTA CLARIDAD	LA JOLLA	1
14	3522	8	VC	159	4	B12S	320	368.68	7	B12S	319	365.13	7	1/1/1970	REHAB	VISTA CLARIDAD	LA JOLLA	1
14	3523	8	VC	247	5	B12S	321	377.34	7	B12S	320	368.68	7	1/1/1970	REHAB	VISTA CLARIDAD	LA JOLLA	1
14	3524	8	VC	127	6	B12S	333	382.42	7	B12S	321	377.34	7	1/1/1970	REHAB	VISTA CLARIDAD	LA JOLLA	1
14	3591	8	VC	210	5	B13S	19	243.72	3	B13S	21	220.89	5	1/1/1960	REHAB	LAMPLIGHT DRIVE	LA JOLLA	1
14	3592	8	VC	200	3	B13S	20	252.12	5	B13S	97	238.92	4	1/1/1960	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3628	8	VC	128	7	B13S	40	187.28	7	B13S	41	186.77	6	1/22/1957	REHAB	CANDLELIGHT PLACE	LA JOLLA	1
14	3629	8	VC	175	5	B13S	41	186.77	6	B13S	94	186.07	5	1/22/1957	REHAB	CANDLELIGHT PLACE	LA JOLLA	1
14	3632	8	VC	132	0	B13S	94	186.07	5	B13S	537	0	7	5/16/1956	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3633	8	VC	226	3	B13S	95	216.99	4	B13S	94	186.07	5	1/22/1957	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3634	8	VC	220	7	B13S	97	238.92	4	B13S	95	216.99	4	1/1/1960	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3635	8	VC	179	6	B13S	96	207.21	5	B13S	93	188.38	8	5/16/1956	REHAB	CANDLELIGHT PLACE	LA JOLLA	1
14	3636	8	VC	330	7	B13S	93	188.38	8	B13S	94	186.07	5	5/16/1956	REHAB	CANDLELIGHT PLACE	LA JOLLA	1
14	3692	8	VC	347	9	B12S	306	360.82	7	B12S	105	329.69	6	1/1/1970	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3693	8	VC	168	4	B13S	105	329.69	6	B13S	104	311.79	3	N/A	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3694	8	VC	350	8	B13S	104	311.79	3	B13S	103	278.37	3	N/A	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
14	3695	8	VC	350	8	B13S	103	278.37	3	B13S	20	252.12	5	1/1/1960	REHAB	CANDLELIGHT DRIVE	LA JOLLA	1
15	3268	8	VC	320	9	B12S	40	506.81	15	B12S	39	496.31	15	4/7/2002	REHAB	LA JOLLA MESA DRIVE	LA JOLLA	1
15	3269	8	VC	200	4	B12S	357	521.18	10	B12S	40	506.81	40	4/7/2002	REHAB	LA JOLLA MESA DRIVE	LA JOLLA	1
15	3270	8	VC	80	3	B12S	43	510.42	8	B12S	44	504.42	8	3/2/1956	REHAB	CITADEL CIRCLE	LA JOLLA	1
15	3271	8	VC	214	2	B12S	44	504.42	8	B12S	45	502.71	3	3/2/1956	REHAB	CITADEL CIRCLE	LA JOLLA	1
15	3272	8	VC	188	2	B12S	45	502.71	3	B12S	46	501.96	6	3/2/1956	REHAB	RUTGERS ROAD	LA JOLLA	1
15	3273	8	VC	341	4	B12S	46	501.96	6	B12S	341	493.1	7	3/2/1956	REHAB	RUTGERS ROAD	LA JOLLA	1
15	3276	8	VC	252	4	B12S	47	508.52	7	B12S	46	501.96	6	3/2/1956	REHAB	RUTGERS ROAD	LA JOLLA	1
15	3319	8	VC	200	6	B12S	87	516.14	6	B12S	88	506.71	7	8/17/1956	REHAB	COLGATE CIRCLE	LA JOLLA	1
15	3548	8	VC	180	5	B12S	337	478.32	10	B12S	339	477.6	6	3/2/1956	REHAB	CLEMSON CIRCLE	LA JOLLA	1
16	24212	8	CP	117	2	F20S	286	4.99	16	F20S	1	4.335	16	10/9/1930	REHAB	PACIFIC HIGHWAY	MIDWAY-PACIFIC HIGH	2
16	24214	8	CP	253	2	F20S	288	5.49	13	F20S	286	4.99	16	10/9/1930	REHAB	PACIFIC HIGHWAY	MIDWAY-PACIFIC HIGH	2
16	24215	8	CP	245	2	F20S	289	6	11	F20S	288	5.49	13	1/1/1977	REHAB	PACIFIC HIGHWAY	MIDWAY-PACIFIC HIGH	2
16	24217	8	CP	245	2	F20S	290	6.51	9	F20S	289	6	11	1/1/1977	REHAB	PACIFIC HIGHWAY	MIDWAY-PACIFIC HIGH	2
16	24219	8	CP	245	3	F20S	291	7.02	8	F20S	290	6.51	9	1/1/1977	REHAB	PACIFIC HIGHWAY	MIDWAY-PACIFIC HIGH	2

40623

980

APPENDIX M

SEWER MANHOLE PIPELINE REHABILITATION AY-1 SPREADSHEET

PIPELINE REHABILITATION AY-1 MANHOLE SHEET B-18203

SHEET NUMBER	MANHOLE FSN	MANHOLE ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	STREET NAME	GATE BOOK	THOMAS BRO
1	69773	160	241.7	6	NEW MANHOLE	CONDESA DR	B01N	118766
1	69782	169	273.54	7	NEW MANHOLE	RUE ST RAPHAEL	B01N	118766
2	69756	143	310.82	5	CLEANOUT	ALLEY	B01N	118766
2	69757	144	331.08	9	CLEANOUT	PINE NEEDLES DRIVE	B01N	118766
2	69806	16	324	7	CLEANOUT	PINE NEEDLES DRIVE	B01S	118766
2	69815	25	321.36	7	CLEANOUT	PINE NEEDLES DRIVE	B01S	118766
3	69697	76	348.55	6	MANHOLE REHAB	MAR SCENIC DRIVE	B01N	1187H6
3	69808	18	348.82	14	MANHOLE REHAB	NOGALES DRIVE	B01S	118766
3	69696	75	348.75	7	CLEANOUT	MAR SCENIC DRIVE	B01N	1187H6
3	69760	147	353.16	6	CLEANOUT	NOGALES DRIVE	B01N	118766
3	69807	17	349.38	18	CLEANOUT	NOGALES DRIVE	B01S	118766
5	69623	2	362.78	9	MANHOLE REPLACEMENT	RECUERDO DRIVE	B01N	1187H5
5	69624	3	375.94	7	CLEANOUT	RECUERDO DRIVE	B01N	1187H5
6	69670	49	355.23	4	MANHOLE REHAB	EASEMENT	B01N	1187H5
6	69671	50	354.53	9	MANHOLE REHAB	EASEMENT	B01N	1187H5
6	69673	52	353.49	10	MANHOLE REHAB	LOZANA ROAD	B01N	1187H5
6	69683	62	361.86	7	MANHOLE REPLACEMENT	RECUERDO DRIVE	B01N	1187H5
6	69682	61	367.26	7	CLEANOUT	RECUERDO DRIVE	B01N	1187H5
7	69721	102	294.79	17	MANHOLE REHAB	EASEMENT	B01N	1187H5
7	69722	104	300.17	20	MANHOLE REHAB	EASEMENT	B01N	1187H5
7	69644	23	401.78	9	CLEANOUT	MISSION CARMEL COVE	B01N	1187H5
7	69645	24	397.33	9	CLEANOUT	BOQUITA	B01N	1187H5
7	69719	100	0	0	CLEANOUT	EASEMENT	B01N	1187J5
7	69730	112	382.91	10	CLEANOUT	LOZANA ROAD	B01N	1187H5
7	69735	117	386.99	7	CLEANOUT	MIRA MONTANA DRIVE	B01N	1187H6
8	69949	170	104.12	6	MANHOLE REHAB	CAMTO MAR VILLA	B01S	1187G7
8	69954	176	129.48	7	MANHOLE REPLACEMENT	CAMTO MAR VILLA	B01S	1187G7
8	69955	177	164.71	7	MANHOLE REHAB	CAMTO MAR VILLA	B01S	1187G7
8	69958	180	200.27	7	MANHOLE REHAB	CAMTO MAR VILLA	B01S	1187G7
8	69960	182	229.85	8	MANHOLE REHAB	PRIVATE DRIVEWAY	B01S	1187G7
8	69964	186	223.66	7	CLEANOUT	PRIVATE DRIVEWAY	B01S	1187G7
8	69965	187	222.72	8	CLEANOUT	PRIVATE DRIVEWAY	B01S	1187G7
9	69947	168	101.37	12	MANHOLE REHAB	CAMITO DEL ROCIO	B01S	1207G1
9	70003	10	48.8	9	MANHOLE REHAB	DEL MAR SCENIC PY	B02S	1207G1
9	70004	11	53.5	11	MANHOLE REHAB	PRIVATE DRIVEWAY	B02S	1207G1
9	70062	74	99.91	12	MANHOLE REHAB	CAMITO DEL ROCIO	B02S	1207H1
9	69948	169	89.5	11	NEW MANHOLE	PRIVATE DRIVEWAY	B01S	1187G7
9	5458300	210	0	0	NEW MANHOLE	DEL MAR SCENIC PY	B01S	1207H1
9	69915	132	118.4	6	CLEANOUT	PRIVATE DRIVEWAY	B01S	1207H1
9	69943	164	44.7	11	CLEANOUT	PRIVATE DRIVEWAY	B01S	1207G1
9	69944	165	67	11	CLEANOUT	PRIVATE DRIVEWAY	B01S	1187G7
9	70007	14	60.6	12	CLEANOUT	PRIVATE DRIVEWAY	B02S	1207G1
10	70043	55	76.69	8	CLEANOUT	CAMTO DE LAS OLAS	B02S	1207H1
10	70049	61	73.56	9	CLEANOUT	CAMTO DE LAS OLAS	B02S	1207H1
10	70056	68	62	12	CLEANOUT	PRIVATE DRIVEWAY	B02S	1207H1
10	70069	81	41.5	11	CLEANOUT	PRIVATE DRIVEWAY	B02S	1207H1
10	69917	134	123.58	5	CLEANOUT	CAMTO DEL PASAJE	B01S	1207H1
10	70050	62	72.46	9	MANHOLE REPLACEMENT	CAMTO DE LAS OLAS	B02S	1207H1
10	69919	136	123.98	9	CLEANOUT	CAMTO DEL PASAJE	B01S	1207H1
10	69999	6	12.25	11	MANHOLE REHAB	EASEMENT	B02S	1207G1
10	70040	52	105.21	9	MANHOLE REHAB	CAMTO ENFLOR	B02S	1207H1
10	70052	64	50.93	13	MANHOLE REHAB	PRIVATE DRIVEWAY	B02S	1207H1
10	70082	96	33.56	9	MANHOLE REHAB	VIA APRILIA	B02S	1207H1
10	69918	135	122.88	9	MANHOLE REHAB	CAMTO DEL PASAJE	B01S	1207H1
10	70039	51	109.41	8	NEW MANHOLE	CAMTO ENFLOR	B02S	1207H1
11	74689	7	112.6	8	CLEANOUT	PRIVATE DRIVEWAY	C02S	1207J1
11	74691	9	114.18	7	CLEANOUT	PRIVATE DRIVEWAY	C02S	1207J1
11	74701	19	110.8	7	CLEANOUT	PRIVATE DRIVEWAY	C02S	1207J1
11	74705	23	128.88	7	NEW MANHOLE	PRIVATE DRIVEWAY	C02S	1207J1
11	74706	24	110.35	8	NEW MANHOLE	PRIVATE DRIVEWAY	C02S	1207J1
11	74715	33	108.36	7	MANHOLE REHAB	PRIVATE DRIVEWAY	C02S	1207J1
12	69522	85	157.12	5	MANHOLE REHAB W/ POINT REPAIR	FORWARD STREET	A13S	1247G4
12	69523	86	158.92	11	MANHOLE REHAB W/ POINT REPAIR	LINDA ROSA AV	A13S	1247G3
13	71795	14	284.08	7	CLEANOUT	LADYBIRD LANE	B13S	1247G3
14	71800	19	243.72	3	NEW MANHOLE	LAMPLIGHT DRIVE	B13S	1247G4
14	71819	40	187.28	7	CLEANOUT	CANDLELIGHT PLACE	B13S	1247G4
14	71871	94	186.07	5	MANHOLE REHAB	CANDLELIGHT PLACE	B13S	1247H4
14	71872	95	216.99	4	MANHOLE REHAB W/ POINT REPAIR	CANDLELIGHT DRIVE	B13S	1247H4
14	71880	104	311.79	3	MANHOLE REHAB W/ POINT REPAIR	CANDLELIGHT DRIVE	B13S	1247H3
14	71881	105	329.69	6	MANHOLE REHAB W/ POINT REPAIR	CANDLELIGHT DRIVE	B13S	1247H3
14	71770	333	382.42	7	CLEANOUT	VISTA CLARIDAD	B12S	1247H3
15	71533	87	516.14	6	NEW MANHOLE	COLGATE CIRCLE	B12S	1247H2
15	71490	43	510.42	8	CLEANOUT	CLEMSON CIRCLE	B12S	1247H2
15	71774	337	478.32	10	CLEANOUT	CITADEL CIRCLE	B12S	1247H3
16	91682	291	7.02	8	MANHOLE REHAB	PACIFIC HIGHWAY	F20S	1268H7
16	91681	290	6.51	9	MANHOLE REHAB	PACIFIC HIGHWAY	F20S	1268H7
16	91680	289	6	11	MANHOLE REHAB	PACIFIC HIGHWAY	F20S	1268H7
16	91679	288	5.49	13	MANHOLE REHAB	PACIFIC HIGHWAY	F20S	1288H1
16	91677	286	4.99	16	MANHOLE REHAB	PACIFIC HIGHWAY	F20S	1288H1

	TOTALS
MANHOLE REHAB	27
MANHOLE REHAB W/ POINT REPAIR	5
MANHOLE REPLACEMENT	4
NEW MANHOLE	9
CLEANOUT	34

APPENDIX N

SEWER LATERALS PIPELINE REHABILITATION AY-1 SPREAD SHEETS

PIPELINE REHABILITATION AY-1		LATERAL SPREADSHEET B-18212										
SHEET NO.	#	Top Hat Installed Only or Top Hat & Rehab Lateral	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO.	STRT_NUM	STRT_NM	STRT_SFX_C		
1	1	Top Hat & Rehab Lateral	1525	153595	4 B01N	1187G6	14030	CONDESA		DR		
1	2	Top Hat & Rehab Lateral	1525	153654	4 B01N	1187G6	14014	RUE D'ANTIBES				
1	3	Top Hat & Rehab Lateral	1525	153684	4 B01N	1187G6	14014	CONDESA		DR		
1	4	Top Hat & Rehab Lateral	1525	153698	4 B01N	1187G6	14004	RUE D'ANTIBES				
1	5	Top Hat & Rehab Lateral	1525	288822	4 B01N	1187G6	14044	RUE D'ANTIBES				
1	6	Top Hat & Rehab Lateral	1525	288823	4 B01N	1187G6	14046	CONDESA		DR		
1	7	Top Hat & Rehab Lateral	1525	288841	4 B01N	1187G6	14038	CONDESA		DR		
1	8	Top Hat & Rehab Lateral	1525	288867	4 B01N	1187G6	14034	RUE D'ANTIBES				
1	9	Top Hat & Rehab Lateral	1525	288903	4 B01N	1187G6	14024	RUE D'ANTIBES				
1	10	Top Hat & Rehab Lateral	1525	288933	4 B01N	1187G6	14022	CONDESA		DR		
1	11	Top Hat & Rehab Lateral	1526	153376	4 B01N	1187G6	14070	CONDESA		DR		
1	12	Top Hat & Rehab Lateral	1526	153384	4 B01N	1187G6	14074	RUE D'ANTIBES				
1	13	Top Hat & Rehab Lateral	1526	153470	4 B01N	1187G6	14054	RUE D'ANTIBES				
1	14	Top Hat & Rehab Lateral	1526	288649	4 B01N	1187G6	14090	CONDESA		DR		
1	15	Top Hat & Rehab Lateral	1526	288650	4 B01N	1187G6	14094	RUE D'ANTIBES				
1	16	Top Hat & Rehab Lateral	1526	288680	4 B01N	1187G6	14080	CONDESA		DR		
1	17	Top Hat & Rehab Lateral	1526	288698	4 B01N	1187G6	14084	RUE D'ANTIBES				
1	18	Top Hat & Rehab Lateral	1526	288741	4 B01N	1187G6	14060	CONDESA		DR		
1	19	Top Hat & Rehab Lateral	1526	288752	4 B01N	1187G6	14064	RUE D'ANTIBES				
1	20	Top Hat & Rehab Lateral	1526	288772	4 B01N	1187G6	14052	CONDESA		DR		
1	21	Top Hat & Rehab Lateral	1528	N/A	4 B01N	1187G6	624	8 TH		ST		
1	22	Top Hat & Rehab Lateral	1528	N/A	4 B01N	1187G6	635	HOSKA		DR		
1	23	Top Hat & Rehab Lateral	1528	N/A	4 B01N	1187G6	635	HOSKA		DR		
1	24	Top Hat & Rehab Lateral	1530	153346	4 B01N	1187G6	14084	RUE ST RAPHAEL				
1	25	Top Hat & Rehab Lateral	1530	153378	4 B01N	1187G6	14074	RUE ST RAPHAEL				
1	26	Top Hat & Rehab Lateral	1530	153417	4 B01N	1187G6	14064	RUE ST RAPHAEL				
1	27	Top Hat & Rehab Lateral	1530	153460	4 B01N	1187G6	14054	RUE ST RAPHAEL				
1	28	Top Hat & Rehab Lateral	1530	288639	4 B01N	1187G6	14094	RUE ST RAPHAEL				
1	29	Top Hat & Rehab Lateral	1531	153488	4 B01N	1187G6	14044	RUE ST RAPHAEL				
1	30	Top Hat & Rehab Lateral	1531	153514	4 B01N	1187G6	14034	RUE ST RAPHAEL				
1	31	Top Hat & Rehab Lateral	1531	153569	4 B01N	1187G6	14024	RUE ST RAPHAEL				
1	32	Top Hat & Rehab Lateral	1531	153629	4 B01N	1187G6	14014	RUE ST RAPHAEL				
2	33	Top Hat & Rehab Lateral	1509	N/A	4 B01N	1187G6	13783	PINE NEEDLES		DR		
2	34	Top Hat & Rehab Lateral	1509	154227	4 B01N	1187G6	13777	PINE NEEDLES		DR		
2	35	Top Hat & Rehab Lateral	1509	289297	4 B01N	1187G6	13795	PINE NEEDLES		DR		
2	36	Top Hat & Rehab Lateral	1509	5631229	4 B01N	1187G6	13789	PINE NEEDLES		DR		
2	37	Top Hat & Rehab Lateral	1560	N/A	4 B01S	1187G6	13605	PINE NEEDLES		DR		
2	38	Top Hat & Rehab Lateral	1560	N/A	4 B01S	1187G6	13610	PINE NEEDLES		DR		
2	39	Top Hat & Rehab Lateral	1567	5631230	4 B01S	1187G6	13771	PINE NEEDLES		DR		
2	40	Top Hat & Rehab Lateral	1567	5631231	4 B01S	1187G6	13765	PINE NEEDLES		DR		
2	41	Top Hat & Rehab Lateral	1567	5631232	4 B01S	1187G6	13759	PINE NEEDLES		DR		
2	42	Top Hat & Rehab Lateral	1567	5631233	4 B01S	1187G6	13753	PINE NEEDLES		DR		
2	43	Top Hat & Rehab Lateral	1567	5631234	4 B01S	1187G6	13741	PINE NEEDLES		DR		
2	44	Top Hat & Rehab Lateral	1568	154558	4 B01S	1187G6	13715	PINE NEEDLES		DR		
2	45	Top Hat & Rehab Lateral	1568	289628	4 B01S	1187G6	13701	PINE NEEDLES		DR		
2	46	Top Hat & Rehab Lateral	1568	5631235	4 B01S	1187G6	13737	PINE NEEDLES		DR		
2	47	Top Hat & Rehab Lateral	1568	5631236	4 B01S	1187G6	13727	PINE NEEDLES		DR		
2	48	Top Hat & Rehab Lateral	1568	5631327	4 B01S	1187G6	13721	PINE NEEDLES		DR		
2	49	Top Hat & Rehab Lateral	1568	5631328	4 B01S	1187G6	13709	PINE NEEDLES		DR		
2	50	Top Hat & Rehab Lateral	1569	154758	4 B01S	1187G6	2201	CORDERO		RD		
2	51	Top Hat & Rehab Lateral	1569	289716	4 B01S	1187G6	2201	CORDERO		RD		
2	52	Top Hat & Rehab Lateral	1570	N/A	4 B01S	1187G6	13665	PINE NEEDLES		DR		
2	53	Top Hat & Rehab Lateral	1570	N/A	4 B01S	1187G6	13675	PINE NEEDLES		DR		
2	54	Top Hat & Rehab Lateral	1570	154872	4 B01S	1187G6	13655	PINE NEEDLES		DR		
2	55	Top Hat & Rehab Lateral	1573	154798	4 B01S	1187G6	13710	CONDESA		DR		
2	56	Top Hat & Rehab Lateral	1573	289697	4 B01S	1187G6	2188	CORDERO		RD		
2	57	Top Hat & Rehab Lateral	1573	289774	4 B01S	1187G6	2183	CORDERO		RD		
2	58	Top Hat & Rehab Lateral	1573	N/A	4 B01S	1187G6	2173	CORDERO		RD		
2	59	Top Hat & Rehab Lateral	1573	N/A	4 B01S	1187G6	2117	CORDERO		RD		
2	60	Top Hat & Rehab Lateral	1573	289796	4 B01S	1187G6	2163	CORDERO		RD		
2	61	Top Hat & Rehab Lateral	1574	154813	4 B01S	1187G6	2144	CORDERO		RD		
2	62	Top Hat & Rehab Lateral	1574	154827	4 B01S	1187G6	2134	CORDERO		RD		
2	63	Top Hat & Rehab Lateral	1574	154849	4 B01S	1187G6	2118	CORDERO		RD		
2	64	Top Hat & Rehab Lateral	1574	154880	4 B01S	1187G6	2143	CORDERO		RD		
2	65	Top Hat & Rehab Lateral	1574	289793	4 B01S	1187G6	2110	CORDERO		RD		
2	66	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	2133	CORDERO		RD		
2	67	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	2125	CORDERO		RD		
2	68	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	2126	CORDERO		RD		
2	69	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	2153	CORDERO		RD		
2	70	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	13711	NOB		AVE		
2	71	Top Hat & Rehab Lateral	1574	N/A	4 B01S	1187G6	13681	NOB		AVE		
2	72	Top Hat & Rehab Lateral	1583	154594	4 B01S	1187G6	13714	PINE NEEDLES		DR		
2	73	Top Hat & Rehab Lateral	1583	289501	4 B01S	1187G6	13732	PINE NEEDLES		DR		
2	74	Top Hat & Rehab Lateral	1583	289516	4 B01S	1187G6	13726	PINE NEEDLES		DR		
2	75	Top Hat & Rehab Lateral	1583	289554	4 B01S	1187G6	13720	PINE NEEDLES		DR		

2	76	Top Hat & Rehab Lateral	1583	289613	4 B01S	1187G6	13702	PINE NEEDLES	DR
2	77	Top Hat & Rehab Lateral	1583	289647	4 B01S	1187G6	13702	PINE NEEDLES	DR
2	78	Top Hat & Rehab Lateral	1584	154454	4 B01S	1187G6	13749	CONDESA	DR
2	79	Top Hat & Rehab Lateral	1584	N/A	4 B01S	1187G6	13760	PINE NEEDLES	DR
2	80	Top Hat & Rehab Lateral	1584	N/A	4 B01S	1187G6	13748	PINE NEEDLES	DR
2	81	Top Hat & Rehab Lateral	1584	N/A	4 B01S	1187G6	13738	PINE NEEDLES	DR
2	82	Top Hat & Rehab Lateral	1584	289426	4 B01S	1187G6	13754	PINE NEEDLES	DR
2	83	Top Hat & Rehab Lateral	1585	154214	4 B01N	1187G6	13792	PINE NEEDLES	DR
2	84	Top Hat & Rehab Lateral	1585	154235	4 B01N	1187G6	13786	PINE NEEDLES	DR
2	85	Top Hat & Rehab Lateral	1585	N/A	4 B01N	1187G6	13772	PINE NEEDLES	DR
2	86	Top Hat & Rehab Lateral	1585	N/A	4 B01N	1187G6	13766	PINE NEEDLES	DR
3	87	Top Hat & Rehab Lateral	1510	154144	4 B01N	1187G6	13795	NOGALES	DR
3	88	Top Hat & Rehab Lateral	1510	154175	4 B01N	1187G6	13788	NOGALES	DR
3	89	Top Hat & Rehab Lateral	1510	154187	4 B01N	1187G6	13785	NOGALES	DR
3	90	Top Hat & Rehab Lateral	1510	154194	4 B01N	1187G6	13780	NOGALES	DR
3	91	Top Hat & Rehab Lateral	1510	289292	4 B01N	1187G6	13796	NOGALES	DR
3	92	Top Hat & Rehab Lateral	1542	289335	4 B01N	1187G6	13796	MAR SCENIC	DR
3	93	Top Hat & Rehab Lateral	1561	155360	4 B01S	1187G7	13560	NOGALES	DR
3	94	Top Hat & Rehab Lateral	1561	155117	4 B01S	1187G6	13594	MAR SCENIC	DR
3	95	Top Hat & Rehab Lateral	1561	N/A	4 B01S	1187G6	13598	NOGALES	DR
3	96	Top Hat & Rehab Lateral	1561	N/A	4 B01S	1187G6	13601	NOGALES	DR
3	97	Top Hat & Rehab Lateral	1561	289964	4 B01S	1187G6	13602	NOGALES	DR
3	98	Top Hat & Rehab Lateral	1561	N/A	4 B01S	1187G6	13611	NOGALES	DR
3	99	Top Hat & Rehab Lateral	1561	155070	4 B01S	1187G6	13612	NOGALES	DR
3	100	Top Hat & Rehab Lateral	1561	155028	4 B01S	1187G6	13622	NOGALES	DR
3	101	Top Hat & Rehab Lateral	1562	154803	4 B01S	1187G6	13671	NOGALES	DR
3	102	Top Hat & Rehab Lateral	1562	154852	4 B01S	1187G6	13661	NOGALES	DR
3	103	Top Hat & Rehab Lateral	1562	154881	4 B01S	1187G6	13651	NOGALES	DR
3	104	Top Hat & Rehab Lateral	1562	154915	4 B01S	1187G6	13641	NOGALES	DR
3	105	Top Hat & Rehab Lateral	1562	154916	4 B01S	1187G6	13642	NOGALES	DR
3	106	Top Hat & Rehab Lateral	1562	289775	4 B01S	1187G6	13658	NOGALES	DR
3	107	Top Hat & Rehab Lateral	1562	N/A-keep	4 B01S	1187G6	13631	NOGALES	DR
3	108	Top Hat & Rehab Lateral	1562	N/A	4 B01S	1187G6	13652	NOGALES	DR
3	109	Top Hat & Rehab Lateral	1562	N/A	4 B01S	1187G6	13662	NOGALES	DR
3	110	Top Hat & Rehab Lateral	1562	289869	4 B01S	1187G6	13632	NOGALES	DR
3	111	Top Hat & Rehab Lateral	1563	154708	4 B01S	1187G6	2263	CORDERO	RD
3	112	Top Hat & Rehab Lateral	1563	154755	4 B01S	1187G6	13681	NOGALES	DR
3	113	Top Hat & Rehab Lateral	1563	289690	4 B01S	1187G6	2223	CORDERO	RD
3	114	Top Hat & Rehab Lateral	1563	289712	4 B01S	1187G6	13682	NOGALES	DR
3	115	Top Hat & Rehab Lateral	1565	154490	4 B01S	1187G6	13726	NOGALES	DR
3	116	Top Hat & Rehab Lateral	1565	154520	4 B01S	1187G6	13720	NOGALES	DR
3	117	Top Hat & Rehab Lateral	1565	N/A	4 B01S	1187G6	13714	NOGALES	DR
3	118	Top Hat & Rehab Lateral	1565	289499	4 B01S	1187G6	13727	NOGALES	DR
3	119	Top Hat & Rehab Lateral	1565	289519	4 B01S	1187G6	13721	NOGALES	DR
3	120	Top Hat & Rehab Lateral	1565	289556	4 B01S	1187G6	13715	NOGALES	DR
3	121	Top Hat & Rehab Lateral	1566	154229	4 B01N	1187G6	13772	NOGALES	DR
3	122	Top Hat & Rehab Lateral	1566	154294	4 B01S	1187G6	13756	NOGALES	DR
3	123	Top Hat & Rehab Lateral	1566	154387	4 B01S	1187G6	13744	NOGALES	DR
3	124	Top Hat & Rehab Lateral	1566	289337	4 B01N	1187G6	13775	NOGALES	DR
3	125	Top Hat & Rehab Lateral	1566	289403	4 B01S	1187G6	13750	NOGALES	DR
3	126	Top Hat & Rehab Lateral	1566	289430	4 B01S	1187G6	13745	NOGALES	DR
3	127	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13732	NOGALES	DR
3	128	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13738	NOGALES	DR
3	129	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13765	NOGALES	DR
3	130	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13759	NOGALES	DR
3	131	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13751	NOGALES	DR
3	132	Top Hat & Rehab Lateral	1566	N/A	4 B01S	1187G6	13733	NOGALES	DR
3	133	Top Hat & Rehab Lateral	1566	289451	4 B01S	1187G6	13739	NOGALES	DR
3	134	Top Hat & Rehab Lateral	1566	289353	4 B01S	1187G6	13764	NOGALES	DR
3	135	Top Hat & Rehab Lateral	1595	289444	4 B01S	1187G6	13772	MAR SCENIC	DR
3	136	Top Hat & Rehab Lateral	1595	154426	4 B01S	1187H6	13773	MAR SCENIC	DR
3	137	Top Hat & Rehab Lateral	1595	289414	4 B01S	1187G6	13780	MAR SCENIC	DR
3	138	Top Hat & Rehab Lateral	1595	N/A	4 B01S	1187G6	13783	MAR SCENIC	DR
3	139	Top Hat & Rehab Lateral	1595	289396	4 B01S	1187G6	13786	MAR SCENIC	DR
3	140	Top Hat & Rehab Lateral	1595	N/A	4 B01S	1187G6	13789	MAR SCENIC	DR
3	141	Top Hat & Rehab Lateral	1595	N/A	4 B01S	1187G6	13792	MAR SCENIC	DR
3	142	Top Hat & Rehab Lateral	1595	N/A	4 B01S	1187G6	13795	MAR SCENIC	DR
3	143	Top Hat & Rehab Lateral	1595	154239	4 B01N	1187G6	13796	MAR SCENIC	DR
3	144	Top Hat & Rehab Lateral	1596	289601	4 B01S	1187G6	2284	CORDERO	RD
3	145	Top Hat & Rehab Lateral	1596	154615	4 B01S	1187H6	2310	CORDERO	RD
3	146	Top Hat & Rehab Lateral	1596	289573	4 B01S	1187G6	13712	MAR SCENIC	DR
3	147	Top Hat & Rehab Lateral	1596	289574	4 B01S	1187H6	13713	MAR SCENIC	DR
3	148	Top Hat & Rehab Lateral	1596	N/A	4 B01S	1187G6	13724	MAR SCENIC	DR
3	149	Top Hat & Rehab Lateral	1596	N/A	4 B01S	1187G6	13725	MAR SCENIC	DR
3	150	Top Hat & Rehab Lateral	1596	289507	4 B01S	1187G6	13736	MAR SCENIC	DR
3	151	Top Hat & Rehab Lateral	1596	154522	4 B01S	1187H6	13739	MAR SCENIC	DR
3	152	Top Hat & Rehab Lateral	1596	154489	4 B01S	1187G6	13748	MAR SCENIC	DR

3	153	Top Hat & Rehab Lateral		1596	289490	4 B01S	1187H6	13753	MAR SCENIC	DR
3	154	Top Hat & Rehab Lateral		1596	N/A	4 B01S	1187H6	13760	MAR SCENIC	DR
3	155	Top Hat & Rehab Lateral		1596	154458	4 B01S	1187H6	13763	MAR SCENIC	DR
3	156	Top Hat & Rehab Lateral		1597	154750	4 B01S	1187H6	13683	MAR SCENIC	DR
3	157	Top Hat & Rehab Lateral		1597	154806	4 B01S	1187G6	13674	MAR SCENIC	DR
3	158	Top Hat & Rehab Lateral		1597	154888	4 B01S	1187G6	13654	MAR SCENIC	DR
3	159	Top Hat & Rehab Lateral		1597	154917	4 B01S	1187G6	13644	MAR SCENIC	DR
3	160	Top Hat & Rehab Lateral		1597	289680	4 B01S	1187H6	2311	CORDERO	RD
3	161	Top Hat & Rehab Lateral		1597	289684	4 B01S	1187G6	2283	CORDERO	RD
3	162	Top Hat & Rehab Lateral		1597	289713	4 B01S	1187G6	13684	MAR SCENIC	DR
3	163	Top Hat & Rehab Lateral		1597	289745	4 B01S	1187H6	13673	MAR SCENIC	DR
3	164	Top Hat & Rehab Lateral		1597	N/A	4 B01S	1187H6	13664	MAR SCENIC	DR
3	165	Top Hat & Rehab Lateral		1597	N/A	4 B01S	1187H6	13653	MAR SCENIC	DR
3	166	Top Hat & Rehab Lateral		1597	N/A	4 B01S	1187H6	13643	MAR SCENIC	DR
3	167	Top Hat & Rehab Lateral		1597	289782	4 B01S	1187H6	13663	MAR SCENIC	DR
3	168	Top Hat & Rehab Lateral		5190735	N/A	4 B01S	1187G6	13603	MAR SCENIC	DR
3	169	Top Hat & Rehab Lateral		5190735	289962	4 B01S	1187G6	13604	MAR SCENIC	DR
3	170	Top Hat & Rehab Lateral		5190735	289941	4 B01S	1187H6	13613	MAR SCENIC	DR
3	171	Top Hat & Rehab Lateral		5190735	155061	4 B01S	1187G6	13614	MAR SCENIC	DR
3	172	Top Hat & Rehab Lateral		5190735	289906	4 B01S	1187G6	13624	MAR SCENIC	DR
3	173	Top Hat & Rehab Lateral		5190735	N/A	4 B01S	1187G6	13633	MAR SCENIC	DR
3	174	Top Hat & Rehab Lateral		5190735	289870	4 B01S	1187G6	13634	MAR SCENIC	DR
3	175	Top Hat & Rehab Lateral		54558237	154599	4 B01S	1187G6	13707	NOGALES	DR
3	176	Top Hat & Rehab Lateral		54558237	5458238	4 B01S	1187G6	2268	CORDERO	RD
3	177	Top Hat & Rehab Lateral		54558237	1165132	4 B01S	1187G6	2224	CORDERO	RD
3	178	Top Hat & Rehab Lateral		54558237	154586	4 B01S	1187G6	13708	NOGALES	DR
4	179	Top Hat & Rehab Lateral		1605	154305	4 B01S	1187H6	2401	DEL MAR HEIGHTS	RD
4	180	Top Hat & Rehab Lateral		1605	154352	4 B01S	1187H6	13783	RECUERDO	DR
4	181	Top Hat & Rehab Lateral		1605	154389	4 B01S	1187H6	13773	RECUERDO	DR
4	182	Top Hat & Rehab Lateral		1605	154405	4 B01S	1187H6	13774	RECUERDO	DR
4	183	Top Hat & Rehab Lateral		1605	289379	4 B01S	1187H6	13794	RECUERDO	DR
4	184	Top Hat & Rehab Lateral		1605	289406	4 B01S	1187H6	13784	RECUERDO	DR
4	185	Top Hat & Rehab Lateral		1605	289453	4 B01S	1187H6	13763	RECUERDO	DR
4	186	Top Hat & Rehab Lateral		1605	289461	4 B01S	1187H6	13764	RECUERDO	DR
4	187	Top Hat & Rehab Lateral		1605	289472	4 B01S	1187H6	13753	RECUERDO	DR
4	188	Top Hat & Rehab Lateral		1605	289479	4 B01S	1187H6	13754	RECUERDO	DR
4	189	Top Hat & Rehab Lateral		1606	154533	4 B01S	1187H6	13734	RECUERDO	DR
4	190	Top Hat & Rehab Lateral		1606	154624	4 B01S	1187H6	13703	RECUERDO	DR
4	191	Top Hat & Rehab Lateral		1606	289492	4 B01S	1187H6	13743	RECUERDO	DR
4	192	Top Hat & Rehab Lateral		1606	289495	4 B01S	1187H6	13744	RECUERDO	DR
4	193	Top Hat & Rehab Lateral		1606	N/A	4 B01S	1187H6	13724	RECUERDO	DR
4	194	Top Hat & Rehab Lateral		1606	N/A	4 B01S	1187H6	2380	CORDERO	DR
4	195	Top Hat & Rehab Lateral		1606	289512	4 B01S	1187H6	13733	RECUERDO	DR
4	196	Top Hat & Rehab Lateral		1606	289550	4 B01S	1187H6	13723	RECUERDO	DR
4	197	Top Hat & Rehab Lateral		1606	289586	4 B01S	1187H6	13713	RECUERDO	DR
4	198	Top Hat & Rehab Lateral		1610	154790	4 B01S	1187H6	13683	RECUERDO	DR
4	199	Top Hat & Rehab Lateral		1610	154830	4 B01S	1187H6	13673	RECUERDO	DR
4	200	Top Hat & Rehab Lateral		1611	154731	4 B01S	1187H6	2431	CORDERO	RD
4	201	Top Hat & Rehab Lateral		1611	154733	4 B01S	1187H6	2411	CORDERO	RD
5	202	Top Hat & Rehab Lateral		1378	151871	4 B01N	1187H5	14257	RECUERDO	DR
5	203	Top Hat & Rehab Lateral		1378	151916	4 B01N	1187H5	14249	RECUERDO	DR
5	204	Top Hat & Rehab Lateral		1378	151948	4 B01N	1187H5	14241	RECUERDO	DR
5	205	Top Hat & Rehab Lateral		1378	287699	4 B01N	1187H5	14265	RECUERDO	DR
5	206	Top Hat & Rehab Lateral		1378	287864	4 B01N	1187H5	14233	RECUERDO	DR
5	207	Top Hat & Rehab Lateral		1379	151737	4 B01N	1187H5	14275	RECUERDO	DR
5	208	Top Hat & Rehab Lateral		1379	287584	4 B01N	1187H5	14295	RECUERDO	DR
5	209	Top Hat & Rehab Lateral		1379	287610	4 B01N	1187H5	14285	RECUERDO	DR
5	210	Top Hat & Rehab Lateral		1380	151528	4 B01N	1187H5	0	MANGO	WY
5	211	Top Hat & Rehab Lateral		1380	151547	4 B01N	1187H5	14292	RECUERDO	DR
5	212	Top Hat & Rehab Lateral		1380	N/A	4 B01N	1187H5	14288	RECUERDO	DR
5	213	Top Hat & Rehab Lateral		1380	151628	4 B01N	1187H5	14286	RECUERDO	DR
5	214	Top Hat & Rehab Lateral		1386	152067	4 B01N	1187H5	14227	RECUERDO	DR
5	215	Top Hat & Rehab Lateral		1386	152072	4 B01N	1187H5	14232	RECUERDO	DR
5	216	Top Hat & Rehab Lateral		1386	152123	4 B01N	1187H5	14219	RECUERDO	DR
5	217	Top Hat & Rehab Lateral		1386	152205	4 B01N	1187H5	14208	RECUERDO	DR
5	218	Top Hat & Rehab Lateral		1386	152215	4 B01N	1187H5	14203	RECUERDO	DR
5	219	Top Hat & Rehab Lateral		1386	152224	4 B01N	1187H5	14202	RECUERDO	DR
5	220	Top Hat & Rehab Lateral		1386	287905	4 B01N	1187H5	14224	RECUERDO	DR
5	221	Top Hat & Rehab Lateral		1386	287936	4 B01N	1187H5	14211	RECUERDO	DR
5	222	Top Hat & Rehab Lateral		1386	287938	4 B01N	1187H5	14216	RECUERDO	DR
5	223	Top Hat & Rehab Lateral		1386	288017	4 B01N	1187H5	14198	RECUERDO	DR
5	224	Top Hat & Rehab Lateral		1387	152308	4 B01N	1187H5	14191	RECUERDO	DR
5	225	Top Hat & Rehab Lateral		1387	152459	4 B01N	1187H5	14170	RECUERDO	DR
5	226	Top Hat & Rehab Lateral		1387	152557	4 B01N	1187H5	14161	RECUERDO	DR
5	227	Top Hat & Rehab Lateral		1387	288027	4 B01N	1187H5	14199	RECUERDO	DR
5	228	Top Hat & Rehab Lateral		1387	288030	4 B01N	1187H5	14192	RECUERDO	DR
5	229	Top Hat & Rehab Lateral		1387	288065	4 B01N	1187H5	14186	RECUERDO	DR

5	230	Top Hat & Rehab Lateral	1387	288107	4 B01N	1187H5	14183	RECUERDO	DR
5	231	Top Hat & Rehab Lateral	1387	288108	4 B01N	1187H5	14178	RECUERDO	DR
5	232	Top Hat & Rehab Lateral	1387	288123	4 B01N	1187H5	14175	RECUERDO	DR
5	233	Top Hat & Rehab Lateral	1387	288152	4 B01N	1187H5	14169	RECUERDO	DR
5	234	Top Hat & Rehab Lateral	1387	288168	4 B01N	1187H5	14162	RECUERDO	DR
5	235	Top Hat & Rehab Lateral	1388	152560	4 B01N	1187H5	2372	RECUERDO	CV
5	236	Top Hat & Rehab Lateral	1388	152570	4 B01N	1187H5	2361	RECUERDO	CV
5	237	Top Hat & Rehab Lateral	1388	152631	4 B01N	1187H5	2371	RECUERDO	CV
5	238	Top Hat & Rehab Lateral	1388	152655	4 B01N	1187H5	2381	RECUERDO	CV
5	239	Top Hat & Rehab Lateral	1388	288218	4 B01N	1187H5	2382	RECUERDO	CV
6	240	Top Hat & Rehab Lateral	1389	152607	4 B01N	1187H5	14153	RECUERDO	DR
6	241	Top Hat & Rehab Lateral	1389	152621	4 B01N	1187H5	2391	RECUERDO	CV
6	242	Top Hat & Rehab Lateral	1389	152806	4 B01N	1187H5	14130	RECUERDO	DR
6	243	Top Hat & Rehab Lateral	1389	152871	4 B01N	1187H5	14113	RECUERDO	DR
6	244	Top Hat & Rehab Lateral	1389	288270	4 B01N	1187H5	14145	RECUERDO	DR
6	245	Top Hat & Rehab Lateral	1389	288276	4 B01N	1187H5	14146	RECUERDO	DR
6	246	Top Hat & Rehab Lateral	1389	288316	4 B01N	1187H5	14137	RECUERDO	DR
6	247	Top Hat & Rehab Lateral	1389	288328	4 B01N	1187H5	14129	RECUERDO	DR
6	248	Top Hat & Rehab Lateral	1389	288390	4 B01N	1187H5	14121	RECUERDO	DR
6	249	Top Hat & Rehab Lateral	1389	152750	4 B01N	1187H5	14138	RECUERDO	DR
6	250	Top Hat & Rehab Lateral	1429	288606	4 B01N	1187H5	2362	LOZANA	RD
6	251	Top Hat Installed Only (Sewer Lateral Connection)	1430	288540	4 B01N	1187H5	2372	LOZANA	RD
6	252	Top Hat Installed Only (Sewer Lateral Connection)	1430	288596	4 B01N	1187H5	2382	LOZANA	RD
6	253	Top Hat Installed Only (Sewer Lateral Connection)	1432	288435	4 B01N	1187H5	14116	RECUERDO	DR
6	254	Top Hat Installed Only (Sewer Lateral Connection)	1433	152874	4 B01N	1187H5	14124	RECUERDO	DR
6	255	Top Hat & Rehab Lateral	1434	152920	4 B01N	1187H5	14110	RECUERDO	DR
6	256	Top Hat & Rehab Lateral	1435	153007	4 B01N	1187H5	14105	RECUERDO	DR
6	257	Top Hat & Rehab Lateral	1435	153060	4 B01N	1187H5	14099	RECUERDO	DR
6	258	Top Hat & Rehab Lateral	1435	153135	4 B01N	1187H5	14090	RECUERDO	DR
6	259	Top Hat & Rehab Lateral	1435	153166	4 B01N	1187H5	2404	LOZANA	RD
6	260	Top Hat & Rehab Lateral	1435	153181	4 B01N	1187H5	14082	RECUERDO	DR
6	261	Top Hat & Rehab Lateral	1435	288464	4 B01N	1187H5	14102	RECUERDO	DR
6	262	Top Hat & Rehab Lateral	1435	288525	4 B01N	1187H5	14093	RECUERDO	DR
6	263	Top Hat & Rehab Lateral	1435	288526	4 B01N	1187H5	14098	RECUERDO	DR
7	264	Top Hat & Rehab Lateral	1401	152692	4 B01N	1187H5	14151	BOQUITA	DR
7	265	Top Hat & Rehab Lateral	1401	288275	4 B01N	1187H5	14161	BOQUITA	DR
7	266	Top Hat & Rehab Lateral	1402	152701	4 B01N	1187H5	2478	MISSION CARMEL	CV
7	267	Top Hat & Rehab Lateral	1402	152702	4 B01N	1187H5	2466	MISSION CARMEL	CV
7	268	Top Hat & Rehab Lateral	1402	152729	4 B01N	1187H5	2463	MISSION CARMEL	CV
7	269	Top Hat & Rehab Lateral	1402	152749	4 B01N	1187H5	2493	MISSION CARMEL	CV
7	270	Top Hat & Rehab Lateral	1402	152775	4 B01N	1187H5	2475	MISSION CARMEL	CV
7	271	Top Hat & Rehab Lateral	1402	288297	4 B01N	1187H5	2494	MISSION CARMEL	CV
7	272	Top Hat & Rehab Lateral	1402	288339	4 B01N	1187H5	2493	MISSION CARMEL	CV
7	273	Top Hat & Rehab Lateral	1403	152903	4 B01N	1187H5	14121	BOQUITA	DR
7	274	Top Hat & Rehab Lateral	1403	288358	4 B01N	1187H5	14131	BOQUITA	DR
7	275	Top Hat & Rehab Lateral	1403	N/A	4 B01N	1187H5	14141	BOQUITA	DR
7	276	Top Hat & Rehab Lateral	1403	288414	4 B01N	1187H5	14111	BOQUITA	DR
7	277	Top Hat & Rehab Lateral	1483	153250	4 B01N	1187H5	2550	LOZANA	RD
7	278	Top Hat & Rehab Lateral	1483	153252	4 B01N	1187H5	2560	LOZANA	RD
7	279	Top Hat & Rehab Lateral	1483	288661	4 B01N	1187H5	14071	MIRA MONTANA	DR
7	280	Top Hat & Rehab Lateral	1484	153247	4 B01N	1187H5	2526	LOZANA	RD
7	281	Top Hat & Rehab Lateral	1485	153248	4 B01N	1187H5	2540	LOZANA	RD
7	282	Top Hat & Rehab Lateral	1485	288682	4 B01N	1187H5	14057	MIRA MONTANA	DR
7	283	Top Hat & Rehab Lateral	1486	153326	4 B01N	1187H5	14058	MIRA MONTANA	DR
7	284	Top Hat & Rehab Lateral	1486	153360	4 B01N	1187H6	14043	MIRA MONTANA	DR
7	285	Top Hat & Rehab Lateral	1486	153392	4 B01N	1187H6	14029	MIRA MONTANA	DR
7	286	Top Hat & Rehab Lateral	1486	288641	4 B01N	1187H5	14072	MIRA MONTANA	DR
7	287	Top Hat & Rehab Lateral	1486	288701	4 B01N	1187H6	14044	MIRA MONTANA	DR
7	288	Top Hat & Rehab Lateral	1486	288732	4 B01N	1187H6	14030	MIRA MONTANA	DR
7	289	Top Hat & Rehab Lateral	1487	153428	4 B01N	1187H6	14015	MIRA MONTANA	DR
7	290	Top Hat & Rehab Lateral	1487	288753	4 B01N	1187H6	14016	MIRA MONTANA	DR
7	291	Top Hat & Rehab Lateral	1487	N/A	4 B01N	1187H6	14008	MIRA MONTANA	DR
7	292	Top Hat & Rehab Lateral	1487	288775	4 B01N	1187H6	14016	MIRA MONTANA	DR
7	293	Top Hat & Rehab Lateral	1487	5516003	4 B01N	1187H6	14007	MIRA MONTANA	DR
8	294	Top Hat Installed Only (Sewer Lateral Connection)	1707	290455	4 B01S	1187G7	13202	CAMTO MAR VILLA	
8	295	Top Hat Installed Only (Sewer Lateral Connection)	1707	290456	4 B01S	1187G7	13208	CAMTO MAR VILLA	
8	296	Top Hat Installed Only (Sewer Lateral Connection)	1707	290457	4 B01S	1187G7	13214	CAMTO MAR VILLA	
8	297	Top Hat Installed Only (Sewer Lateral Connection)	1709	155769	4 B01S	1187G7	13256	CAMTO MAR VILLA	
8	298	Top Hat Installed Only (Sewer Lateral Connection)	1709	155770	4 B01S	1187G7	13250	CAMTO MAR VILLA	
8	299	Top Hat Installed Only (Sewer Lateral Connection)	1709	155772	4 B01S	1187G7	13238	CAMTO MAR VILLA	
8	300	Top Hat Installed Only (Sewer Lateral Connection)	1709	155776	4 B01S	1187G7	13220	CAMTO MAR VILLA	
8	301	Top Hat Installed Only (Sewer Lateral Connection)	1709	N/A	4 B01S	1187G7	13244	CAMTO MAR VILLA	
8	302	Top Hat Installed Only (Sewer Lateral Connection)	1709	155778	4 B01S	1187G7	13226	CAMTO MAR VILLA	
8	303	Top Hat Installed Only (Sewer Lateral Connection)	1709	155779	4 B01S	1187G7	13232	CAMTO MAR VILLA	
8	304	Top Hat Installed Only (Sewer Lateral Connection)	1711	155751	4 B01S	1187G7	13262	CAMTO MAR VILLA	
8	305	Top Hat Installed Only (Sewer Lateral Connection)	1711	155752	4 B01S	1187G7	13268	CAMTO MAR VILLA	
8	306	Top Hat Installed Only (Sewer Lateral Connection)	1711	155754	4 B01S	1187G7	13274	CAMTO MAR VILLA	

10	615	Top Hat Installed Only (Sewer Lateral Connection)	1822	156059	4 B02S	1207H1	12941	CAMTO DE LAS OLAS	
10	616	Top Hat Installed Only (Sewer Lateral Connection)	1822	156060	4 B02S	1207H1	12931	CAMTO DE LAS OLAS	
10	617	Top Hat Installed Only (Sewer Lateral Connection)	1822	156071	4 B02S	1207H1	12911	CAMTO DE LAS OLAS	
10	618	Top Hat Installed Only (Sewer Lateral Connection)	1822	156080	4 B02S	1207H1	12936	CAMTO DE LAS OLAS	
10	619	Top Hat Installed Only (Sewer Lateral Connection)	1822	156089	4 B02S	1207H1	12916	CAMTO DE LAS OLAS	
10	620	Top Hat Installed Only (Sewer Lateral Connection)	1822	156093	4 B02S	1207H1	12906	CAMTO DE LAS OLAS	
10	621	Top Hat Installed Only (Sewer Lateral Connection)	1822	290622	4 B02S	1207H1	12956	CAMTO DE LAS OLAS	
10	622	Top Hat Installed Only (Sewer Lateral Connection)	1822	290629	4 B02S	1207H1	12946	CAMTO DE LAS OLAS	
10	623	Top Hat Installed Only (Sewer Lateral Connection)	1822	290632	4 B02S	1207H1	12921	CAMTO DE LAS OLAS	
10	624	Top Hat Installed Only (Sewer Lateral Connection)	1822	290639	4 B02S	1207H1	12926	CAMTO DE LAS OLAS	
10	625	Top Hat Installed Only (Sewer Lateral Connection)	1823	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	626	Top Hat Installed Only (Sewer Lateral Connection)	1823	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	627	Top Hat Installed Only (Sewer Lateral Connection)	1823	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	628	Top Hat Installed Only (Sewer Lateral Connection)	1823	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	629	Top Hat Installed Only (Sewer Lateral Connection)	1823	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	630	Top Hat Installed Only (Sewer Lateral Connection)	1825	156049	4 B02S	1207H1	12976	CAMTO DE LAS OLAS	
10	631	Top Hat Installed Only (Sewer Lateral Connection)	1825	156055	4 B02S	1207H1	12966	CAMTO DE LAS OLAS	
10	632	Top Hat Installed Only (Sewer Lateral Connection)	1825	290596	4 B02S	1207H1	12996	CAMTO DE LAS OLAS	
10	633	Top Hat Installed Only (Sewer Lateral Connection)	1825	290599	4 B02S	1207H1	12986	CAMTO DE LAS OLAS	
10	634	Top Hat Installed Only (Sewer Lateral Connection)	1830	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	635	Top Hat Installed Only (Sewer Lateral Connection)	1830	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	636	Top Hat Installed Only (Sewer Lateral Connection)	1830	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	637	Top Hat Installed Only (Sewer Lateral Connection)	1830	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	638	Top Hat Installed Only (Sewer Lateral Connection)	1833	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	639	Top Hat Installed Only (Sewer Lateral Connection)	1833	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	640	Top Hat Installed Only (Sewer Lateral Connection)	1833	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	641	Top Hat Installed Only (Sewer Lateral Connection)	1834	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	642	Top Hat & Rehab Lateral	1839	5058234	4 B02S	1207H1	12726	VIA CORTINA	
10	643	Top Hat & Rehab Lateral	1843	156251	4 B02S	1207H1	12805	VIA CORTINA	
10	644	Top Hat Installed Only (Sewer Lateral Connection)	1931	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
10	645	Top Hat Installed Only (Sewer Lateral Connection)	1931	N/A	4 B02S	1207H1		PRIVATE DRIVEWAY	
11	646	Top Hat & Rehab Lateral	6666	156052	4 C02S	1207J1	12990	PORTOFINO	DR
11	647	Top Hat & Rehab Lateral	6666	290584	4 C02S	1207J1	13022	PORTOFINO	DR
11	648	Top Hat & Rehab Lateral	6666	290594	4 C02S	1207J1	13010	PORTOFINO	DR
11	649	Top Hat & Rehab Lateral	6666	290627	4 C02S	1207J1	12980	PORTOFINO	DR
11	650	Top Hat & Rehab Lateral	6667	290618	4 C02S	1207J1	12948	BISCAYNE	CV
11	651	Top Hat & Rehab Lateral	6668	156053	4 C02S	1207J1	12938	BISCAYNE	CV
11	652	Top Hat & Rehab Lateral	6668	156056	4 C02S	1207J1	12928	BISCAYNE	CV
11	653	Top Hat & Rehab Lateral	6668	156063	4 C02S	1207J1	12918	BISCAYNE	CV
11	654	Top Hat & Rehab Lateral	6668	156104	4 C02S	1207J1	12911	BISCAYNE	CV
11	655	Top Hat & Rehab Lateral	6668	156127	4 B02S	1207J1	12902	BISCAYNE	CV
11	656	Top Hat & Rehab Lateral	6668	290633	4 C02S	1207J1	12933	BISCAYNE	CV
11	657	Top Hat & Rehab Lateral	6668	290641	4 C02S	1207J1	12908	BISCAYNE	CV
11	658	Top Hat & Rehab Lateral	6668	290642	4 C02S	1207J1	12923	BISCAYNE	CV
11	659	Top Hat & Rehab Lateral	6668	290662	4 B02S	1207J1	12903	BISCAYNE	CV
11	660	Top Hat Installed Only (Sewer Lateral Connection)	6669	156147	4 C02S	1207J1	12951	CAMTO BODEGA	
11	661	Top Hat Installed Only (Sewer Lateral Connection)	6669	156153	4 C02S	1207J1	12945	CAMTO BODEGA	
11	662	Top Hat Installed Only (Sewer Lateral Connection)	6669	156157	4 C02S	1207J1	12939	CAMTO BODEGA	
11	663	Top Hat Installed Only (Sewer Lateral Connection)	6669	156165	4 C02S	1207J1	12927	CAMTO BODEGA	
11	664	Top Hat Installed Only (Sewer Lateral Connection)	6669	156171	4 C02S	1207J1	12921	CAMTO BODEGA	
11	665	Top Hat Installed Only (Sewer Lateral Connection)	6669	156182	4 C02S	1207J1	12909	CAMTO BODEGA	
11	666	Top Hat Installed Only (Sewer Lateral Connection)	6669	156191	4 C02S	1207J1	12903	CAMTO BODEGA	
11	667	Top Hat Installed Only (Sewer Lateral Connection)	6669	290688	4 C02S	1207J1	12933	CAMTO BODEGA	
11	668	Top Hat Installed Only (Sewer Lateral Connection)	6669	290699	4 C02S	1207J1	12915	CAMTO BODEGA	
11	669	Top Hat Installed Only (Sewer Lateral Connection)	6671	156105	4 C02S	1207J1	2752	CAMTO CEDROS	
11	670	Top Hat Installed Only (Sewer Lateral Connection)	6671	156106	4 C02S	1207J1	2746	CAMTO CEDROS	
11	671	Top Hat Installed Only (Sewer Lateral Connection)	6671	156107	4 C02S	1207J1	2740	CAMTO CEDROS	
11	672	Top Hat Installed Only (Sewer Lateral Connection)	6671	156108	4 C02S	1207J1	12996	CAMTO BODEGA	
11	673	Top Hat Installed Only (Sewer Lateral Connection)	6671	156110	4 C02S	1207J1	12990	CAMTO BODEGA	
11	674	Top Hat Installed Only (Sewer Lateral Connection)	6671	156111	4 C02S	1207J1	12984	CAMTO BODEGA	
11	675	Top Hat Installed Only (Sewer Lateral Connection)	6671	156112	4 C02S	1207J1	12978	CAMTO BODEGA	
11	676	Top Hat Installed Only (Sewer Lateral Connection)	6671	156113	4 C02S	1207J1	12972	CAMTO BODEGA	
11	677	Top Hat Installed Only (Sewer Lateral Connection)	6671	156114	4 C02S	1207J1	12966	CAMTO BODEGA	
11	678	Top Hat Installed Only (Sewer Lateral Connection)	6671	156115	4 C02S	1207J1	12954	CAMTO BODEGA	
11	679	Top Hat Installed Only (Sewer Lateral Connection)	6671	156132	4 C02S	1207J1	12985	CAMTO BODEGA	
11	680	Top Hat Installed Only (Sewer Lateral Connection)	6671	156133	4 C02S	1207J1	12979	CAMTO BODEGA	
11	681	Top Hat Installed Only (Sewer Lateral Connection)	6671	156135	4 C02S	1207J1	12961	CAMTO BODEGA	
11	682	Top Hat Installed Only (Sewer Lateral Connection)	6671	290654	4 C02S	1207J1	2758	CAMTO CEDROS	
11	683	Top Hat Installed Only (Sewer Lateral Connection)	6671	290655	4 C02S	1207J1	12960	CAMTO BODEGA	
11	684	Top Hat Installed Only (Sewer Lateral Connection)	6671	290665	4 C02S	1207J1	12997	CAMTO BODEGA	
11	685	Top Hat Installed Only (Sewer Lateral Connection)	6671	290666	4 C02S	1207J1	12991	CAMTO BODEGA	
11	686	Top Hat Installed Only (Sewer Lateral Connection)	6671	290667	4 C02S	1207J1	12973	CAMTO BODEGA	
11	687	Top Hat Installed Only (Sewer Lateral Connection)	6671	290668	4 C02S	1207J1	12973	CAMTO BODEGA	
11	688	Top Hat Installed Only (Sewer Lateral Connection)	6671	N/A	4 C02S	1207J1	12955	CAMTO BODEGA	
11	689	Top Hat Installed Only (Sewer Lateral Connection)	6672	156073	4 C02S	1207J1	2769	CAMTO SAN PABLO	
11	690	Top Hat Installed Only (Sewer Lateral Connection)	6673	156047	4 C02S	1207J1	2726	CAMTO SAN PABLO	
11	691	Top Hat Installed Only (Sewer Lateral Connection)	6673	156048	4 C02S	1207J1	2732	CAMTO SAN PABLO	

11	692	Top Hat Installed Only (Sewer Lateral Connection)	6673	156050	4 C02S	120711	2742	CAMTO SAN PABLO	
11	693	Top Hat Installed Only (Sewer Lateral Connection)	6673	156054	4 C02S	120711	2766	CAMTO SAN PABLO	
11	694	Top Hat Installed Only (Sewer Lateral Connection)	6673	156064	4 C02S	120711	2745	CAMTO SAN PABLO	
11	695	Top Hat Installed Only (Sewer Lateral Connection)	6673	156066	4 C02S	120711	2751	CAMTO SAN PABLO	
11	696	Top Hat Installed Only (Sewer Lateral Connection)	6673	156067	4 C02S	120711	2757	CAMTO SAN PABLO	
11	697	Top Hat Installed Only (Sewer Lateral Connection)	6673	156070	4 C02S	120711	2763	CAMTO SAN PABLO	
11	698	Top Hat Installed Only (Sewer Lateral Connection)	6673	290607	4 C02S	120711	2736	CAMTO SAN PABLO	
11	699	Top Hat Installed Only (Sewer Lateral Connection)	6673	290609	4 C02S	120711	2748	CAMTO SAN PABLO	
11	700	Top Hat Installed Only (Sewer Lateral Connection)	6673	290610	4 C02S	120711	2754	CAMTO SAN PABLO	
11	701	Top Hat Installed Only (Sewer Lateral Connection)	6673	290611	4 C02S	120711	2760	CAMTO SAN PABLO	
11	702	Top Hat Installed Only (Sewer Lateral Connection)	6673	290620	4 C02S	120711	2715	CAMTO SAN PABLO	
11	703	Top Hat Installed Only (Sewer Lateral Connection)	6673	290621	4 C02S	120711	2721	CAMTO SAN PABLO	
11	704	Top Hat Installed Only (Sewer Lateral Connection)	6673	290624	4 C02S	120711	2727	CAMTO SAN PABLO	
11	705	Top Hat Installed Only (Sewer Lateral Connection)	6673	290625	4 C02S	120711	2733	CAMTO SAN PABLO	
11	706	Top Hat Installed Only (Sewer Lateral Connection)	6673	290628	4 C02S	120711	2739	CAMTO SAN PABLO	
11	707	Top Hat & Rehab Lateral	6674	155970	4 C02S	120711	13070	PORTOFINO	DR
11	708	Top Hat & Rehab Lateral	6674	155983	4 C02S	120711	13058	PORTOFINO	DR
11	709	Top Hat & Rehab Lateral	6674	156012	4 C02S	120711	13034	PORTOFINO	DR
11	710	Top Hat & Rehab Lateral	6674	290558	4 C02S	120711	13046	PORTOFINO	DR
11	711	Top Hat Installed Only (Sewer Lateral Connection)	6675	156013	4 C02S	120711	2752	CAMTO ELDORADO	
11	712	Top Hat Installed Only (Sewer Lateral Connection)	6675	156014	4 C02S	120711	2758	CAMTO ELDORADO	
11	713	Top Hat Installed Only (Sewer Lateral Connection)	6675	156027	4 C02S	120711	2741	CAMTO ELDORADO	
11	714	Top Hat Installed Only (Sewer Lateral Connection)	6675	156028	4 C02S	120711	2747	CAMTO ELDORADO	
11	715	Top Hat Installed Only (Sewer Lateral Connection)	6675	156029	4 C02S	120711	2753	CAMTO ELDORADO	
11	716	Top Hat Installed Only (Sewer Lateral Connection)	6675	156031	4 C02S	120711	2771	CAMTO ELDORADO	
11	717	Top Hat Installed Only (Sewer Lateral Connection)	6675	290572	4 C02S	120711	2764	CAMTO ELDORADO	
11	718	Top Hat Installed Only (Sewer Lateral Connection)	6675	290573	4 C02S	120711	2770	CAMTO ELDORADO	
11	719	Top Hat Installed Only (Sewer Lateral Connection)	6675	290579	4 C02S	120711	2759	CAMTO ELDORADO	
11	720	Top Hat Installed Only (Sewer Lateral Connection)	6675	290580	4 C02S	120711	2765	CAMTO ELDORADO	
11	721	Top Hat & Rehab Lateral	6676	155923	4 C01S	118777	13110	PORTOFINO	DR
11	722	Top Hat & Rehab Lateral	6676	155953	4 C02S	120711	13082	PORTOFINO	DR
11	723	Top Hat & Rehab Lateral	6676	290532	4 C01S	120711	13094	PORTOFINO	DR
11	724	Top Hat Installed Only (Sewer Lateral Connection)	6685	156101	4 C02S	120711	2782	CAMTO CEDROS	
11	725	Top Hat Installed Only (Sewer Lateral Connection)	6685	156102	4 C02S	120711	2776	CAMTO CEDROS	
11	726	Top Hat Installed Only (Sewer Lateral Connection)	6685	156103	4 C02S	120711	2770	CAMTO CEDROS	
11	727	Top Hat Installed Only (Sewer Lateral Connection)	6685	290653	4 C02S	120711	2764	CAMTO CEDROS	
11	728	Top Hat Installed Only (Sewer Lateral Connection)	6687	156120	4 C02S	120711	2783	CAMTO CEDROS	
11	729	Top Hat Installed Only (Sewer Lateral Connection)	6687	156122	4 C02S	120711	2741	CAMTO CEDROS	
11	730	Top Hat Installed Only (Sewer Lateral Connection)	6687	156128	4 C02S	120711	2777	CAMTO CEDROS	
11	731	Top Hat Installed Only (Sewer Lateral Connection)	6687	156129	4 C02S	120711	2747	CAMTO CEDROS	
11	732	Top Hat Installed Only (Sewer Lateral Connection)	6687	156131	4 C02S	120711	2753	CAMTO CEDROS	
11	733	Top Hat Installed Only (Sewer Lateral Connection)	6687	156134	4 C02S	120711	2771	CAMTO CEDROS	
11	734	Top Hat Installed Only (Sewer Lateral Connection)	6687	156139	4 C02S	120711	2759	CAMTO CEDROS	
11	735	Top Hat Installed Only (Sewer Lateral Connection)	6687	156142	4 C02S	120711	2765	CAMTO CEDROS	
11	736	Top Hat Installed Only (Sewer Lateral Connection)	6688	156195	4 C02S	120711	2768	CAMTO SAN MARINO	
11	737	Top Hat Installed Only (Sewer Lateral Connection)	6688	156196	4 C02S	120711	2760	CAMTO SAN MARINO	
11	738	Top Hat Installed Only (Sewer Lateral Connection)	6688	156197	4 C02S	120711	2746	CAMTO VERDUGO	
11	739	Top Hat Installed Only (Sewer Lateral Connection)	6688	156198	4 C02S	120711	2738	CAMTO VERDUGO	
11	740	Top Hat Installed Only (Sewer Lateral Connection)	6688	156217	4 C02S	120711	2763	CAMTO SAN MARINO	
11	741	Top Hat Installed Only (Sewer Lateral Connection)	6688	156221	4 C02S	120711	2759	CAMTO SAN MARINO	
11	742	Top Hat Installed Only (Sewer Lateral Connection)	6688	156222	4 C02S	120711	2779	CAMTO SAN MARINO	
11	743	Top Hat Installed Only (Sewer Lateral Connection)	6688	156224	4 C02S	120711	2783	CAMTO SAN MARINO	
11	744	Top Hat Installed Only (Sewer Lateral Connection)	6688	156226	4 C02S	120711	2771	CAMTO SAN MARINO	
11	745	Top Hat Installed Only (Sewer Lateral Connection)	6688	156228	4 C02S	120711	2747	CAMTO VERDUGO	
11	746	Top Hat Installed Only (Sewer Lateral Connection)	6688	156229	4 C02S	120711	2751	CAMTO VERDUGO	
11	747	Top Hat Installed Only (Sewer Lateral Connection)	6688	290709	4 C02S	120711	2760	CAMTO SAN MARINO	
11	748	Top Hat Installed Only (Sewer Lateral Connection)	6688	290710	4 C02S	120711	2742	CAMTO VERDUGO	
11	749	Top Hat Installed Only (Sewer Lateral Connection)	6688	290724	4 C02S	120711	2767	CAMTO SAN MARINO	
11	750	Top Hat Installed Only (Sewer Lateral Connection)	6688	290727	4 C02S	120711	2775	CAMTO SAN MARINO	
11	751	Top Hat Installed Only (Sewer Lateral Connection)	6688	290729	4 C02S	120711	2787	CAMTO SAN MARINO	
11	752	Top Hat Installed Only (Sewer Lateral Connection)	6688	290732	4 C02S	120711	2743	CAMTO VERDUGO	
11	753	Top Hat Installed Only (Sewer Lateral Connection)	6689	156192	4 C02S	120711	2714	CAMTO VERDUGO	
11	754	Top Hat Installed Only (Sewer Lateral Connection)	6689	156193	4 C02S	120711	2722	CAMTO VERDUGO	
11	755	Top Hat Installed Only (Sewer Lateral Connection)	6689	156194	4 C02S	120711	2726	CAMTO VERDUGO	
11	756	Top Hat Installed Only (Sewer Lateral Connection)	6689	156199	4 C02S	120711	2734	CAMTO VERDUGO	
11	757	Top Hat Installed Only (Sewer Lateral Connection)	6689	156216	4 C02S	120711	2703	CAMTO VERDUGO	
11	758	Top Hat Installed Only (Sewer Lateral Connection)	6689	156219	4 C02S	120711	2711	CAMTO VERDUGO	
11	759	Top Hat Installed Only (Sewer Lateral Connection)	6689	156220	4 C02S	120711	2715	CAMTO VERDUGO	
11	760	Top Hat Installed Only (Sewer Lateral Connection)	6689	156223	4 C02S	120711	2719	CAMTO VERDUGO	
11	761	Top Hat Installed Only (Sewer Lateral Connection)	6689	156225	4 C02S	120711	2723	CAMTO VERDUGO	
11	762	Top Hat Installed Only (Sewer Lateral Connection)	6689	156227	4 C02S	120711	2739	CAMTO VERDUGO	
11	763	Top Hat Installed Only (Sewer Lateral Connection)	6689	290708	4 C02S	120711	2718	CAMTO VERDUGO	
11	764	Top Hat Installed Only (Sewer Lateral Connection)	6689	290723	4 C02S	120711	2707	CAMTO VERDUGO	
11	765	Top Hat Installed Only (Sewer Lateral Connection)	6689	290728	4 C02S	120711	2727	CAMTO VERDUGO	
11	766	Top Hat Installed Only (Sewer Lateral Connection)	6689	290730	4 C02S	120711	2731	CAMTO VERDUGO	
11	767	Top Hat Installed Only (Sewer Lateral Connection)	6689	290731	4 C02S	120711	2735	CAMTO VERDUGO	
12	768	Top Hat & Rehab Lateral	1051	182758	4 A12S	1247G3	5831	LA JOLLA CORONA	DR

12	769	Top Hat & Rehab Lateral	1051	182938	4A12S	1247G3	5811	LA JOLLA CORONA	DR
12	770	Top Hat & Rehab Lateral	1051	182982	4A12S	1247G3	5801	LA JOLLA CORONA	DR
12	771	Top Hat & Rehab Lateral	1051	309023	4A12S	1247G3	5821	LA JOLLA CORONA	DR
12	772	Top Hat & Rehab Lateral	1270	185058	6A13S	1247G4	850	FORWARD	ST
12	773	Top Hat & Rehab Lateral	1270	185071	4A13S	1247G3	846	FORWARD	ST
12	774	Top Hat & Rehab Lateral	1270	185099	4A13S	1247G3	838	FORWARD	ST
12	775	Top Hat & Rehab Lateral	1270	310546	4A13S	1247G4	851	FORWARD	ST
12	776	Top Hat & Rehab Lateral	1270	310575	4A13S	1247G4	851	FORWARD	ST
12	777	Top Hat & Rehab Lateral	1270	310593	4A13S	1247G4	5568	LINDA ROSA	AV
12	778	Top Hat & Rehab Lateral	1275	184210	4A13S	1247G3	5674	LINDA ROSA	AV
12	779	Top Hat & Rehab Lateral	1275	184267	4A13S	1247G3	5673	LINDA ROSA	AV
12	780	Top Hat & Rehab Lateral	1275	184319	4A13S	1247G3	5667	LINDA ROSA	AV
12	781	Top Hat & Rehab Lateral	1275	184351	4A13S	1247G3	5666	LINDA ROSA	AV
12	782	Top Hat & Rehab Lateral	1275	184375	4A13S	1247G3	5661	LINDA ROSA	AV
12	783	Top Hat & Rehab Lateral	1275	184423	4A13S	1247G3	5655	LINDA ROSA	AV
12	784	Top Hat & Rehab Lateral	1275	184438	4A13S	1247G3	5658	LINDA ROSA	AV
12	785	Top Hat & Rehab Lateral	1275	184507	4A13S	1247G3	5652	LINDA ROSA	AV
12	786	Top Hat & Rehab Lateral	1275	184508	4A13S	1247G3	5649	LINDA ROSA	AV
12	787	Top Hat & Rehab Lateral	1275	309956	4A13S	1247G3	5679	LINDA ROSA	AV
12	788	Top Hat & Rehab Lateral	1275	309997	4A13S	1247G3	5670	LINDA ROSA	AV
12	789	Top Hat & Rehab Lateral	1275	310071	4A13S	1247G3	5662	LINDA ROSA	AV
12	790	Top Hat & Rehab Lateral	1277	184819	4A13S	1247G3	5625	LINDA ROSA	AV
12	791	Top Hat & Rehab Lateral	1277	310340	4A13S	1247G3	5622	LINDA ROSA	AV
12	792	Top Hat & Rehab Lateral	1277	310381	4A13S	1247G3	5616	LINDA ROSA	AV
12	793	Top Hat & Rehab Lateral	1278	185169	6A13S	1247G4	824	FORWARD	ST
12	794	Top Hat & Rehab Lateral	1278	185189	6A13S	1247G4	808	FORWARD	ST
12	795	Top Hat & Rehab Lateral	1278	185190	6A13S	1247G4	802	FORWARD	ST
12	796	Top Hat & Rehab Lateral	1278	185217	6A13S	1247G4	812	FORWARD	ST
12	797	Top Hat & Rehab Lateral	1278	310644	4A13S	1247G4	5565	TAFT	AV
12	798	Top Hat & Rehab Lateral	1278	310697	4A13S	1247G4	783	FORWARD	ST
12	799	Top Hat & Rehab Lateral	1278	N/A	4A13S	1247G4	818	FORWARD	ST
12	800	Top Hat & Rehab Lateral	1285	185382	6A13S	1247G4	5611	BELLEVUE	AV
12	801	Top Hat & Rehab Lateral	1285	185454	4A13S	1247G4	731	FORWARD	ST
12	802	Top Hat & Rehab Lateral	1285	310651	6A13S	1247G4	778	FORWARD	ST
12	803	Top Hat & Rehab Lateral	1285	310678	6A13S	1247G4	764	FORWARD	ST
12	804	Top Hat & Rehab Lateral	1285	310693	4A13S	1247G4	5571	BELLEVUE	AV
12	805	Top Hat & Rehab Lateral	1285	310724	4A13S	1247G4	5571	BELLEVUE	AV
12	806	Top Hat & Rehab Lateral	1285	N/A	4A13S	1247G4	752	FORWARD	ST
13	807	Top Hat & Rehab Lateral	3485	182246	4B12S	1247G3	1480	DEER HILL	CT
13	808	Top Hat & Rehab Lateral	3485	182348	4B12S	1247G3	5808	LA JOLLA MESA	DR
13	809	Top Hat & Rehab Lateral	3485	308581	4B12S	1247G3	5836	LA JOLLA MESA	DR
13	810	Top Hat Installed Only (Sewer Lateral Connection)	3509	N/A	4B12S	1247H3	1248	SKYLARK	DR
13	811	Top Hat & Rehab Lateral	3509	N/A	4B12S	1247G7	5740	BAJA MAR	
13	812	Top Hat & Rehab Lateral	3509	N/A	4B12S	1247G7	5747	BAJA MAR	
13	813	Top Hat & Rehab Lateral	3509	N/A	4B12S	1247G7	5737	BAJA MAR	
13	814	Top Hat & Rehab Lateral	3509	N/A	4B12S	1247G7	5727	BAJA MAR	
13	815	Top Hat & Rehab Lateral	3509	N/A	4B12S	1247G7	5717	BAJA MAR	
13	816	Top Hat & Rehab Lateral	3551	182405	4B12S	1247H3	5815	LA JOLLA MESA	DR
13	817	Top Hat & Rehab Lateral	3551	308611	4B12S	1247H3	5815	LA JOLLA MESA	DR
13	818	Top Hat & Rehab Lateral	3551	308780	4B12S	1247H3	5794	LA JOLLA MESA	DR
13	819	Top Hat & Rehab Lateral	3583	376411	4B12S	1247H3	1225	SKYLARK	DR
13	820	Top Hat & Rehab Lateral	3583	376413	4B12S	1247G3	1224	SKYLARK	DR
13	821	Top Hat & Rehab Lateral	3583	378538	4B12S	1247H3	1213	SKYLARK	DR
13	822	Top Hat & Rehab Lateral	3583	5649420	4B12S	1247G3	1212	SKYLARK	DR
13	823	Top Hat & Rehab Lateral	3596	185073	4B13S	1247G4	5548	LADYBIRD	LN
13	824	Top Hat & Rehab Lateral	3596	185234	4B13S	1247G4	5540	LADYBIRD	LN
13	825	Top Hat & Rehab Lateral	3596	185260	4B13S	1247G4	5539	LADYBIRD	LN
13	826	Top Hat & Rehab Lateral	3596	310523	4B13S	1247G4	5547	LADYBIRD	LN
13	827	Top Hat & Rehab Lateral	3597	184802	4B13S	1247G3	5572	LADYBIRD	LN
13	828	Top Hat & Rehab Lateral	3597	184890	4B13S	1247G3	5564	LADYBIRD	LN
13	829	Top Hat & Rehab Lateral	3597	184915	4B13S	1247G3	5565	LADYBIRD	LN
13	830	Top Hat & Rehab Lateral	3597	185002	4B13S	1247G3	5555	LADYBIRD	LN
13	831	Top Hat & Rehab Lateral	3597	310328	4B13S	1247G3	5575	LADYBIRD	LN
13	832	Top Hat & Rehab Lateral	3597	310437	4B13S	1247G3	5556	LADYBIRD	LN
13	833	Top Hat & Rehab Lateral	3598	184679	4B13S	1247G3	5581	LADYBIRD	LN
13	834	Top Hat & Rehab Lateral	3598	184681	4B13S	1247G3	5580	LADYBIRD	LN
13	835	Top Hat & Rehab Lateral	3598	310132	4B13S	1247G3	5595	LADYBIRD	LN
13	836	Top Hat & Rehab Lateral	3598	310182	4B13S	1247G3	5589	LADYBIRD	LN
14	837	Top Hat & Rehab Lateral	3520	183775	4B12S	1247H3	1562	VISTA CLARIDAD	
14	838	Top Hat & Rehab Lateral	3520	309640	4B12S	1247H3	1550	VISTA CLARIDAD	
14	839	Top Hat & Rehab Lateral	3521	183568	4B12S	1247H3	1547	VISTA CLARIDAD	
14	840	Top Hat & Rehab Lateral	3521	183655	4B12S	1247H3	1557	VISTA CLARIDAD	
14	841	Top Hat & Rehab Lateral	3521	N/A	4B12S	1247H3	1538	VISTA CLARIDAD	
14	842	Top Hat & Rehab Lateral	3521	309445	4B12S	1247H3	1537	VISTA CLARIDAD	
14	843	Top Hat & Rehab Lateral	3521	309448	4B12S	1247H3	1530	VISTA CLARIDAD	
14	844	Top Hat & Rehab Lateral	3522	309298	4B12S	1247H3	1517	VISTA CLARIDAD	
14	845	Top Hat & Rehab Lateral	3522	309374	4B12S	1247H3	1527	VISTA CLARIDAD	

14	846	Top Hat & Rehab Lateral	3522	N/A	4 B12S	1247H3	1496	VISTA CLARIDAD	
14	847	Top Hat & Rehab Lateral	3522	309390	4 B12S	1247H3	1524	VISTA CLARIDAD	
14	848	Top Hat & Rehab Lateral	3523	182933	4 B12S	1247H3	1477	VISTA CLARIDAD	
14	849	Top Hat & Rehab Lateral	3523	183035	4 B12S	1247H3	1487	VISTA CLARIDAD	
14	850	Top Hat & Rehab Lateral	3523	N/A	4 B12S	1247H3	1486	VISTA CLARIDAD	
14	851	Top Hat & Rehab Lateral	3523	183137	4 B12S	1247H3	1497	VISTA CLARIDAD	
14	852	Top Hat & Rehab Lateral	3523	309171	4 B12S	1247H3	1476	VISTA CLARIDAD	
14	853	Top Hat & Rehab Lateral	3524	182736	4 B12S	1247H3	1447	VISTA CLARIDAD	
14	854	Top Hat & Rehab Lateral	3524	182817	4 B12S	1247H3	1456	VISTA CLARIDAD	
14	855	Top Hat & Rehab Lateral	3524	N/A	4 B12S	1247H3	1446	VISTA CLARIDAD	
14	856	Top Hat & Rehab Lateral	3524	N/A	4 B12S	1247H3	1447	VISTA CLARIDAD	
14	857	Top Hat & Rehab Lateral	3524	N/A	4 B12S	1247H3	1467	VISTA CLARIDAD	
14	858	Top Hat & Rehab Lateral	3524	309051	4 B12S	1247H3	1466	VISTA CLARIDAD	
14	859	Top Hat & Rehab Lateral	3533	186623	4 B13S	1247H4	5392	CANDLELIGHT	DR
14	860	Top Hat & Rehab Lateral	3533	N/A	4 B13S	1247H4	5385	CANDLELIGHT	DR
14	861	Top Hat & Rehab Lateral	3533	186721	4 B13S	1247H4	5382	CANDLELIGHT	DR
14	862	Top Hat & Rehab Lateral	3591	185628	4 B13S	1247G4	838	LAMPLIGHT	DR
14	863	Top Hat & Rehab Lateral	3591	185679	4 B13S	1247G4	821	LAMPLIGHT	DR
14	864	Top Hat & Rehab Lateral	3591	310899	4 B13S	1247G4	809	LAMPLIGHT	DR
14	865	Top Hat & Rehab Lateral	3591	375679	4 B13S	1247H4	845	LAMPLIGHT	DR
14	866	Top Hat & Rehab Lateral	3591	375680	4 B13S	1247G4	833	LAMPLIGHT	DR
14	867	Top Hat & Rehab Lateral	3592	185697	4 B13S	1247H4	5473	CANDLELIGHT	DR
14	868	Top Hat & Rehab Lateral	3592	310983	4 B13S	1247H4	845	LAMPLIGHT	DR
14	869	Top Hat & Rehab Lateral	3592	311012	4 B13S	1247H4	5459	CANDLELIGHT	DR
14	870	Top Hat & Rehab Lateral	3628	186917	4 B13S	1247G4	840	CANDLELIGHT	PL
14	871	Top Hat & Rehab Lateral	3628	186935	4 B13S	1247G4	852	CANDLELIGHT	PL
14	872	Top Hat & Rehab Lateral	3628	186953	4 B13S	1247G4	862	CANDLELIGHT	PL
14	873	Top Hat & Rehab Lateral	3628	186991	4 B13S	1247G4	831	CANDLELIGHT	PL
14	874	Top Hat & Rehab Lateral	3628	187088	4 B13S	1247G4	853	CANDLELIGHT	PL
14	875	Top Hat & Rehab Lateral	3628	187104	4 B13S	1247G4	863	CANDLELIGHT	PL
14	876	Top Hat & Rehab Lateral	3628	187116	4 B13S	1247G4	841	CANDLELIGHT	PL
14	877	Top Hat & Rehab Lateral	3629	186884	4 B13S	1247H4	894	CANDLELIGHT	PL
14	878	Top Hat & Rehab Lateral	3629	186933	4 B13S	1247H4	874	CANDLELIGHT	PL
14	879	Top Hat & Rehab Lateral	3629	187051	4 B13S	1247H4	5364	CANDLELIGHT	DR
14	880	Top Hat & Rehab Lateral	3629	187090	4 B13S	1247H4	873	CANDLELIGHT	PL
14	881	Top Hat & Rehab Lateral	3629	311909	4 B13S	1247H4	883	CANDLELIGHT	PL
14	882	Top Hat & Rehab Lateral	3634	186092	4 B13S	1247H4	5431	CANDLELIGHT	DR
14	883	Top Hat & Rehab Lateral	3634	186154	4 B13S	1247H4	5432	CANDLELIGHT	DR
14	884	Top Hat & Rehab Lateral	3634	186252	4 B13S	1247H4	5417	CANDLELIGHT	DR
14	885	Top Hat & Rehab Lateral	3634	311147	4 B13S	1247H4	5445	CANDLELIGHT	DR
14	886	Top Hat & Rehab Lateral	3634	311178	4 B13S	1247H4	5446	CANDLELIGHT	DR
14	887	Top Hat & Rehab Lateral	3634	311422	4 B13S	1247H4	5403	CANDLELIGHT	DR
14	888	Top Hat & Rehab Lateral	3634	5535483	4 B13S	1247H4	5416	CANDLELIGHT	DR
14	889	Top Hat & Rehab Lateral	3635	186399	4 B13S	1247H4	963	CANDLELIGHT	PL
14	890	Top Hat & Rehab Lateral	3635	186400	4 B13S	1247H4	964	CANDLELIGHT	PL
14	891	Top Hat & Rehab Lateral	3635	186513	4 B13S	1247H4	954	CANDLELIGHT	PL
14	892	Top Hat & Rehab Lateral	3635	311457	4 B13S	1247H4	953	CANDLELIGHT	PL
14	893	Top Hat & Rehab Lateral	3635	311520	4 B13S	1247H4	943	CANDLELIGHT	PL
14	894	Top Hat & Rehab Lateral	3635	311617	4 B13S	1247H4	933	CANDLELIGHT	PL
14	895	Top Hat & Rehab Lateral	3636	186791	4 B13S	1247H4	914	CANDLELIGHT	PL
14	896	Top Hat & Rehab Lateral	3636	311657	4 B13S	1247H4	934	CANDLELIGHT	PL
14	897	Top Hat & Rehab Lateral	3636	311668	4 B13S	1247H4	924	CANDLELIGHT	PL
14	898	Top Hat & Rehab Lateral	3636	311712	4 B13S	1247H4	904	CANDLELIGHT	PL
14	899	Top Hat & Rehab Lateral	3636	311774	4 B13S	1247H4	921	CANDLELIGHT	PL
14	900	Top Hat & Rehab Lateral	3636	311816	4 B13S	1247H4	911	CANDLELIGHT	PL
14	901	Top Hat & Rehab Lateral	3636	311832	4 B13S	1247H4	901	CANDLELIGHT	PL
14	902	Top Hat & Rehab Lateral	3692	183892	4 B12S	1247H3	1567	VISTA CLARIDAD	
14	903	Top Hat & Rehab Lateral	3692	183979	4 B12S	1247H3	5590	CANDLELIGHT	DR
14	904	Top Hat & Rehab Lateral	3692	184038	4 B12S	1247H3	5589	CANDLELIGHT	DR
14	905	Top Hat & Rehab Lateral	3692	N/A	4 B12S	1247H3	5577	CANDLELIGHT	DR
14	906	Top Hat & Rehab Lateral	3692	N/A	4 B12S	1247H3	5571	CANDLELIGHT	DR
14	907	Top Hat & Rehab Lateral	3692	N/A	4 B12S	1247H3	5584	CANDLELIGHT	DR
14	908	Top Hat & Rehab Lateral	3692	N/A	4 B12S	1247H3	5578	CANDLELIGHT	DR
14	909	Top Hat & Rehab Lateral	3692	184079	4 B13S	1247H3	5583	CANDLELIGHT	DR
14	910	Top Hat & Rehab Lateral	3692	309822	4 B12S	1247H3	1577	VISTA CLARIDAD	
14	911	Top Hat & Rehab Lateral	3693	184307	4 B13S	1247H3	5572	CANDLELIGHT	DR
14	912	Top Hat & Rehab Lateral	3693	309992	4 B13S	1247H3	5572	CANDLELIGHT	DR
14	913	Top Hat & Rehab Lateral	3693	310050	4 B13S	1247H3	5566	CANDLELIGHT	DR
14	914	Top Hat & Rehab Lateral	3693	310112	4 B13S	1247H3	5557	CANDLELIGHT	DR
14	915	Top Hat & Rehab Lateral	3694	184610	4 B13S	1247H3	5551	CANDLELIGHT	DR
14	916	Top Hat & Rehab Lateral	3694	184695	4 B13S	1247H3	5548	CANDLELIGHT	DR
14	917	Top Hat & Rehab Lateral	3694	184808	4 B13S	1247H3	5542	CANDLELIGHT	DR
14	918	Top Hat & Rehab Lateral	3694	184838	4 B13S	1247H3	5539	CANDLELIGHT	DR
14	919	Top Hat & Rehab Lateral	3694	310114	4 B13S	1247H3	5560	CANDLELIGHT	DR
14	920	Top Hat & Rehab Lateral	3694	310157	4 B13S	1247H3	5554	CANDLELIGHT	DR
14	921	Top Hat & Rehab Lateral	3694	310269	4 B13S	1247H3	5545	CANDLELIGHT	DR
14	922	Top Hat & Rehab Lateral	3694	310411	4 B13S	1247H3	5536	CANDLELIGHT	DR

APPENDIX O

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:

Photo 2



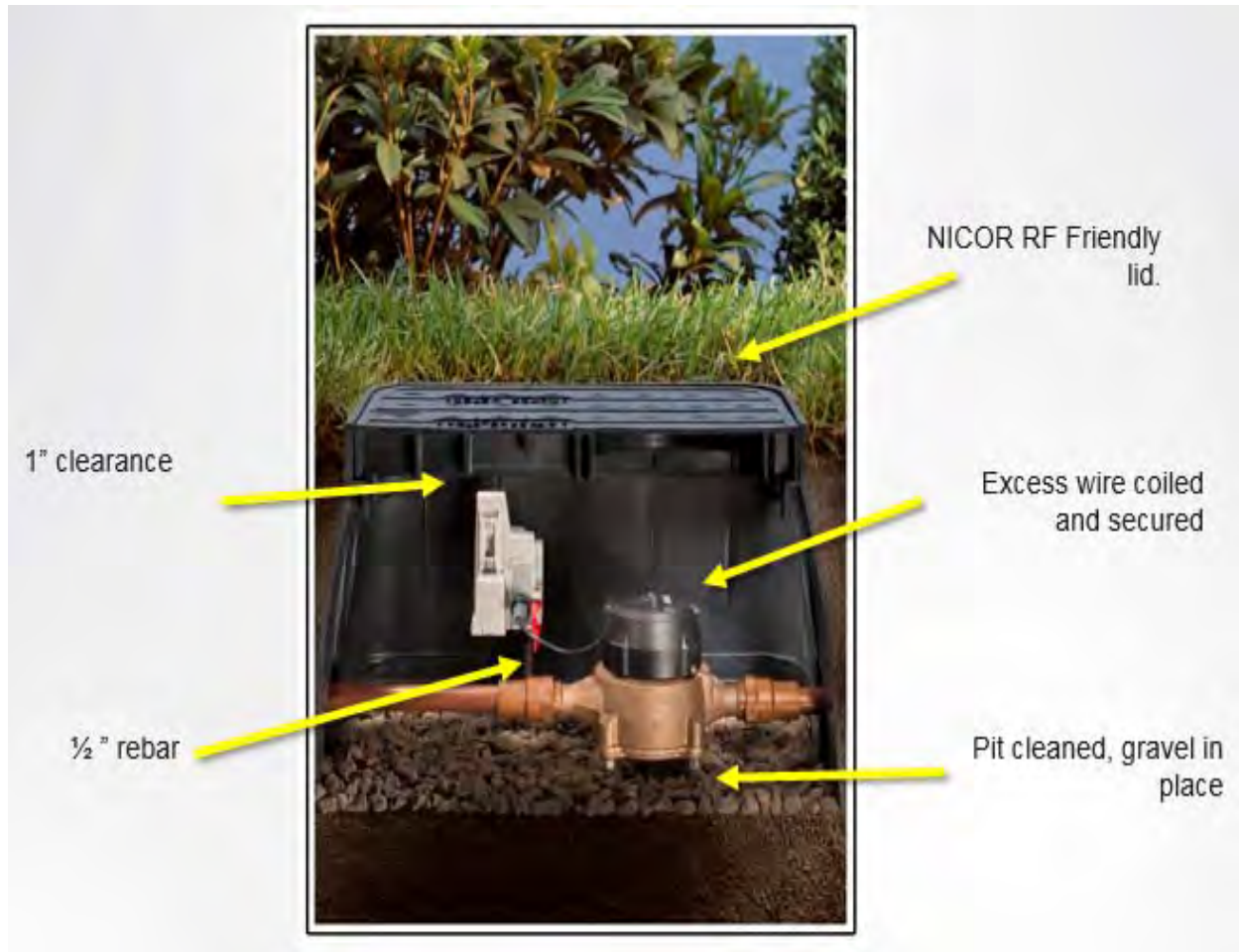
Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

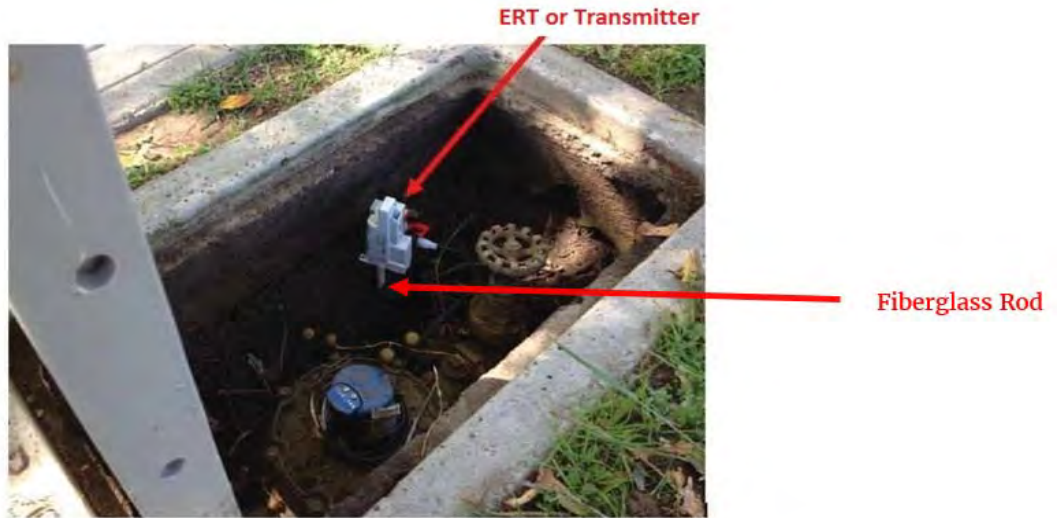


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX P
PIPELINE REHAB AY-1 TRAFFIC CONTROL PLANS

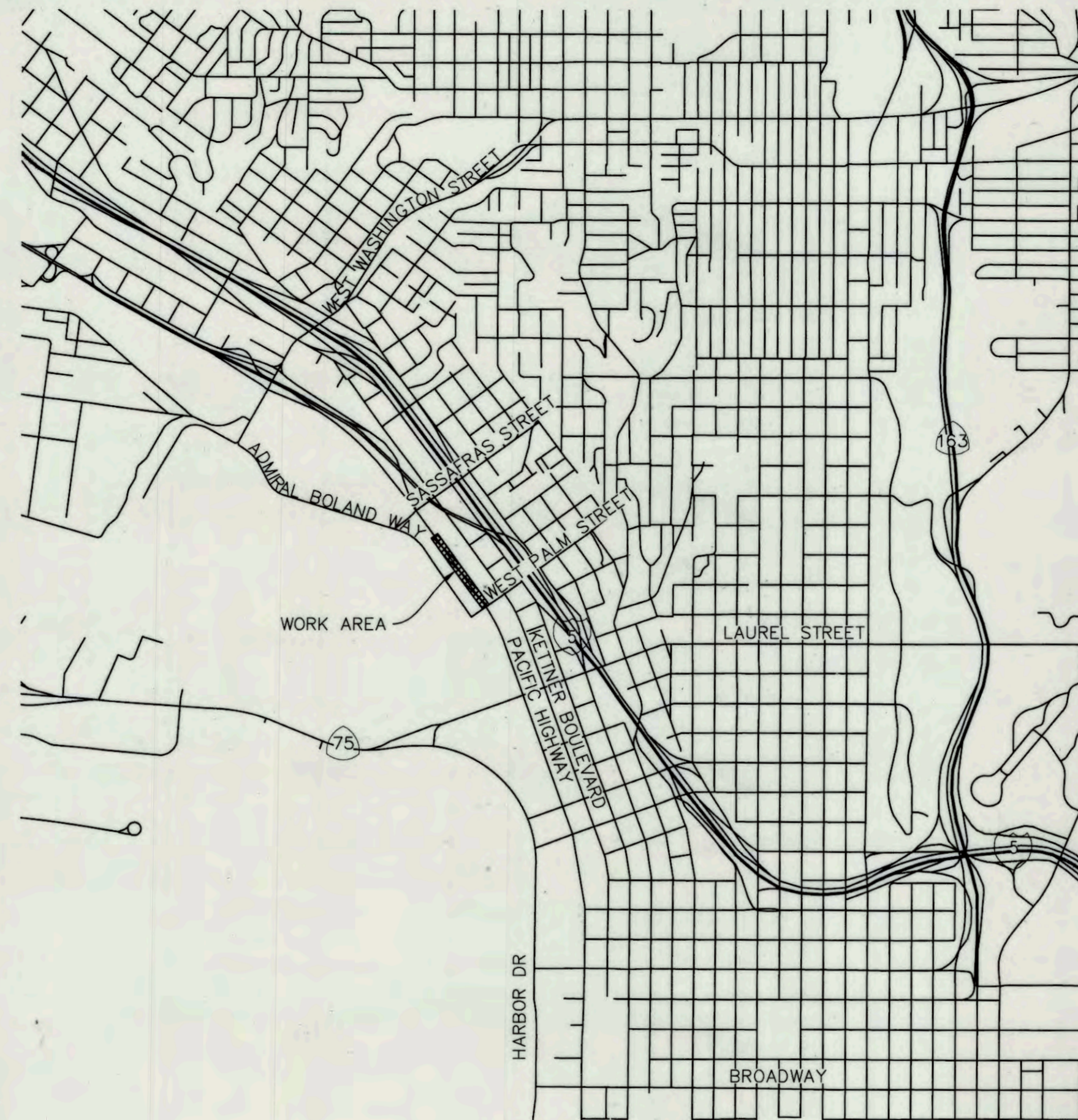
TRAFFIC CONTROL NOTES

- VALIDATION. THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 601-2 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CONTACT THE PUBLIC WORKS TRAFFIC CONTROL SECTION AT (858) 495-4742 TO OBTAIN A PERMIT. THE CONTRACTOR MUST SUBMIT A COMPLETED TRAFFIC CONTROL PERMIT FORM A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- STANDARDS. THIS TRAFFIC CONTROL PLAN SHALL CONFORM TO THE EACH OF THE FOLLOWING MANUALS:

DOCUMENT NO.	EDITION	DESCRIPTION
PW1010119-01	2018	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK")
PW1010119-02	2018	CITY OF SAN DIEGO SUPPLEMENT TO THE "GREENBOOK" ("WHITEBOOK")
PW1070119-03	2018	CITY OF SAN DIEGO STANDARD DRAWINGS
PW1092816-07	2014	CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)
- NOTIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION OR TRAFFIC CONTROL:

FIRE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 573-1300
POLICE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 531-2000
ENVIRONMENTAL SERVICES	(REFUSE COLLECTION)	(858) 492-5060
STREET DIVISION / ELECTRICAL	(TRAFFIC SIGNALS)	(619) 527-7500
METROPOLITAN TRANSIT SYSTEM	(BUS STOPS)	(619) 595-7038 EXT 6451
METROPOLITAN TRANSIT SYSTEM	(TAXI ZONES)	(619) 235-2644
METROPOLITAN TRANSIT SYSTEM	(TROLLEY LINES)	(619) 595-4960
UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800) 422-4133

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
- POSTING NO PARKING SIGNS. THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS SEVENTY-TWO (72) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DATES, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS. EXCEPT AS OTHERWISE SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. CONTRACTOR SHALL MONITOR TRENCH PLATES DURING NON-WORKING HOURS TO ENSURE THAT THEY DO NOT BECOME DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES, BIKE LANES AND PEDESTRIAN WALKWAYS OPEN TO APPROPRIATE TRAFFIC, EXCEPT AS OTHERWISE SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS.
- TEMPORARY TRAFFIC SIGNAL DETECTION. THE CONTRACTOR SHALL INSTALL CITY APPROVED TEMPORARY VIDEO OR RADAR DETECTION WHEN EXISTING TRAFFIC SIGNAL DETECTION SYSTEMS ARE DAMAGED, DISABLED OR BECOME INEFFECTIVE DUE TO CONSTRUCTION FOR A PERIOD OF FIVE (5) OR MORE DAYS. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL TEMPORARY TRAFFIC SIGNAL DETECTION EQUIPMENT AND RESTORE/INSTALL A CITY APPROVED PERMANENT VEHICLE DETECTION SYSTEM UPON COMPLETION OF CONSTRUCTION. ALL INSTALLATIONS AND REMOVALS ARE SUBJECT TO APPROVAL BY THE CITY ENGINEER.
- CHANGES IN WORK. THE CITY RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. ANY SUCH CHANGES SHALL BE DOCUMENTED AND SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE CITY RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE PUBLIC WORKS TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.
- THE CONTRACTOR SHALL PLACE "OPEN TRENCH" SIGNS (C27(CA)) ON BARRICADES WITHIN THE WORK ZONE, AHEAD OF ANY WORK AREA WHICH INCLUDES OPEN TRENCHES IN EXCESS OF THREE (3) INCHES IN DEPTH, PER CA MUTCD SECTION 6F.103 (CA) GUIDELINES.



VICINITY MAP
NOT TO SCALE

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY THE CITY OF SAN DIEGO IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THE PLANS COMPLY WITH CITY PROCEDURES AND OTHER APPLICABLE POLICIES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS.

AS ENGINEER OF WORK, I AGREE TO INDEMNIFY AND SAVE THE CITY OF SAN DIEGO, ITS OFFICERS, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, CLAIMS, DAMAGES, OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENCE, ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF WORK, MY EMPLOYEES, AGENTS, OR CONSULTANTS.

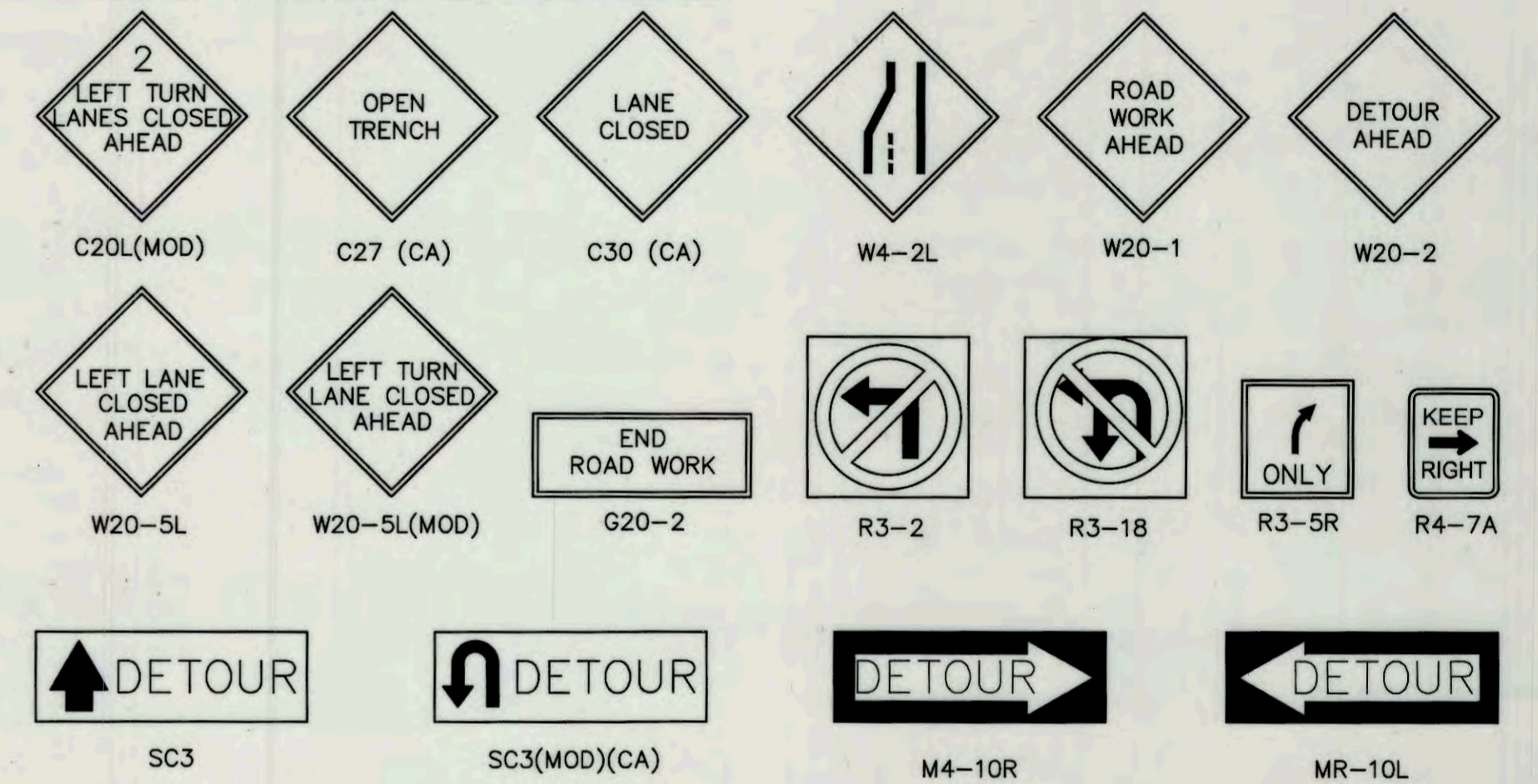
James Jarrett Limn
 JAMES JARRETT LIMN R.C.E. 84231 DATE: 10/28/19

STREET NAME	EXTENTS	STREET CLASSIFICATION	ADT	STREET WIDTH	POSTED SPEED	85TH PERCENTILE	DESIGN SPEED
PACIFIC HIGHWAY	BETWEEN SASSAFRAS ST AND WEST PALM ST	PRIME ARTERIAL	17,999	92 FT	45 MPH	45 MPH	45 MPH

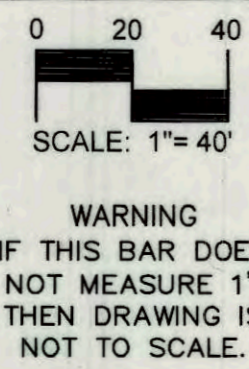
TRAFFIC CONTROL LEGEND

- TRAFFIC CONE
- TRAFFIC SIGN
- ⊠ WORK ZONE
- ⊥ TYPE II BARRICADE
- ⊥ TYPE II BARRICADE WITH SIGN
- ⊠ FLASHING ARROW SIGN
- DIRECTIONAL ARROW
- ⊠ TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION SIGNS



CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.



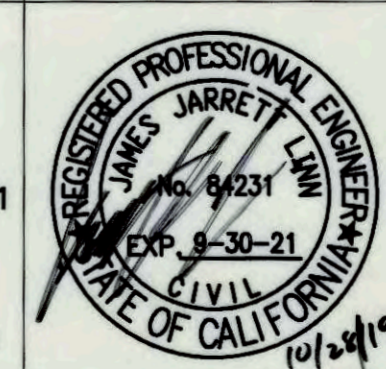
The City of
SAN DIEGO Public Utilities

CONSULTANT

Nasland Civil Engineering Surveying Land Planning

T (858) 292-7770
4740 Ruffin St Street
San Diego, CA 92111
nasland.com

119-111.1



TRAFFIC CONTROL PLANS FOR:

**PIPELINE REHABILITATION AY-1
PACIFIC HIGHWAY
COVER SHEET**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC UTILITIES DEPARTMENT
SHEET 01 OF 106 SHEETS

FOR CITY ENGINEER: AHMED ABURAHMAH
DEPUTY CITY ENGINEER

DATE: 11/01/2019

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				

CONTRACTOR: 38101-T01-D
INSPECTOR:

NOTES THIS SHEET

- 1 DELINEATORS SHALL BE PLACED AT 90' INTERVALS
- 2 DELINEATORS SHALL BE PLACED AT 45' INTERVALS
- 3 DELINEATORS SHALL BE PLACED AT 22' INTERVALS

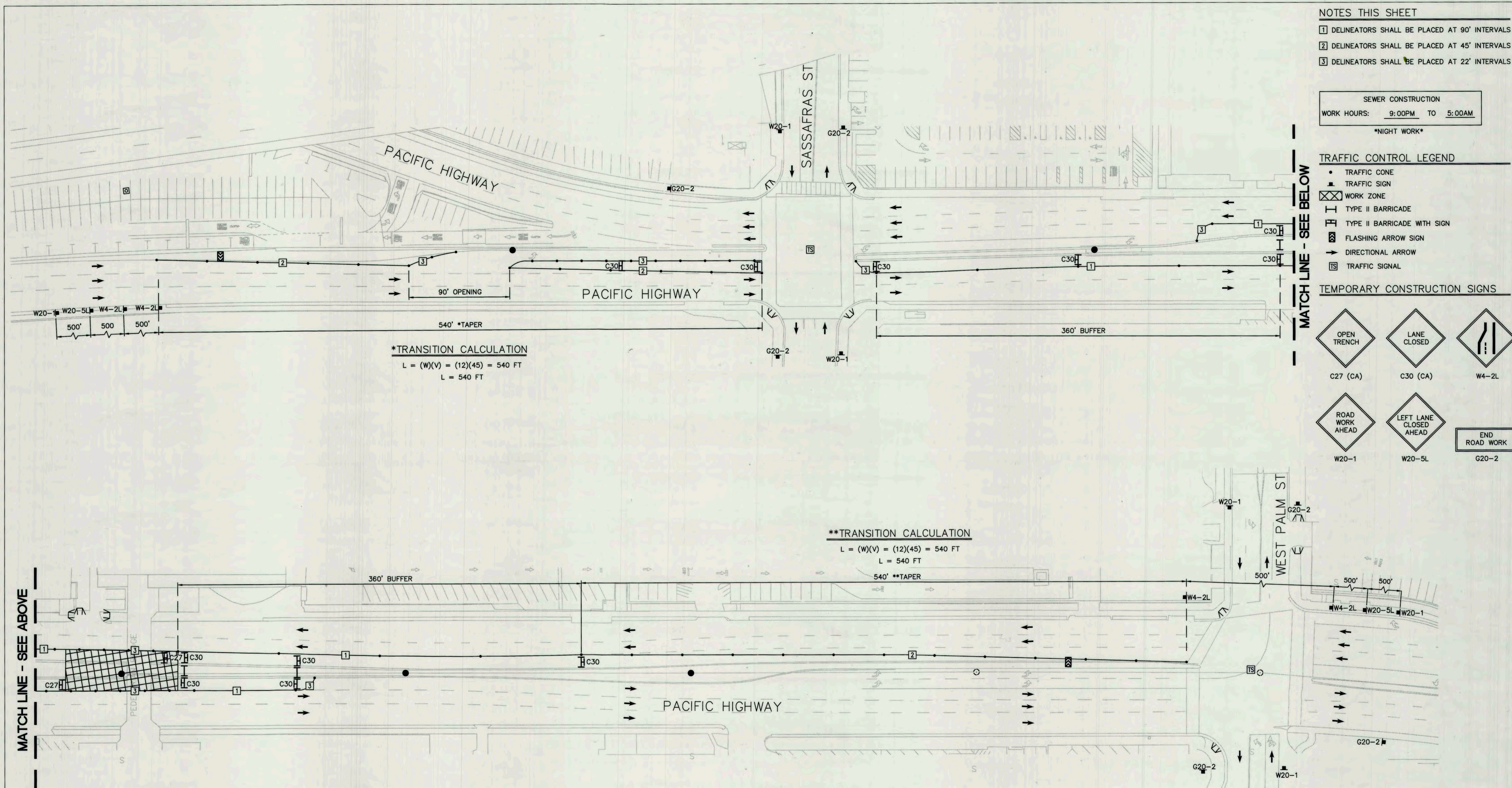
SEWER CONSTRUCTION
 WORK HOURS: 9:00PM TO 5:00AM
 NIGHT WORK

TRAFFIC CONTROL LEGEND

- TRAFFIC CONE
- TRAFFIC SIGN
- ▣ WORK ZONE
- I TYPE II BARRICADE
- H TYPE II BARRICADE WITH SIGN
- ⊠ FLASHING ARROW SIGN
- DIRECTIONAL ARROW
- Ⓢ TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION SIGNS

OPEN TRENCH (C27 (CA))
 LANE CLOSED (C30 (CA))
 W4-2L
 ROAD WORK AHEAD (W20-1)
 LEFT LANE CLOSED AHEAD (W20-5L)
 END ROAD WORK (G20-2)



*TRANSITION CALCULATION

$$L = (W)(V) = (12)(45) = 540 \text{ FT}$$

$$L = 540 \text{ FT}$$

**TRANSITION CALCULATION

$$L = (W)(V) = (12)(45) = 540 \text{ FT}$$

$$L = 540 \text{ FT}$$

MATCH LINE - SEE ABOVE

MATCH LINE - SEE BELOW

TRAFFIC CONTROL - PHASE 1

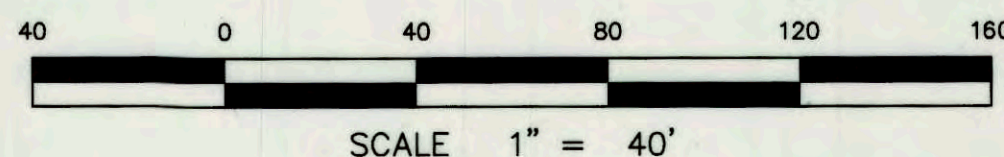
SCALE: 1" = 40'

NOTE:
 FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-1

TRAFFIC SIGNAL NOTE: 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

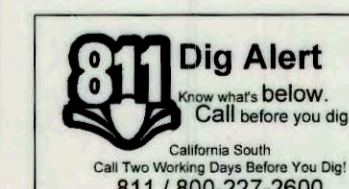
TRAFFIC SIGNAL TO REMAIN OPERATIONAL

APPROACH SPEED (MPH)	BUFFER LENGTH	MINIMUM SIGN SPACING	CONE SPACING		
			TAPER	TANGENT	CONFLICT
45	360'	500'	45'	60'	15'



TRAFFIC CONTROL PLANS FOR:

PIPELINE REHABILITATION AY-1
 PACIFIC HIGHWAY



PLAN DATE IDENTIFIER	
DATE OF LAST CHANGE TO THIS PLAN	BY
10/16/2019	JM
DATE OF THIS PLAN	
10/16/2019	

CONSULTANT

Civil Engineering
 Surveying
 Land Planning

T (858) 292-7770
 4740 Ruffner Street
 San Diego, CA 92111
 nasland.com

119-111.1



CITY OF SAN DIEGO, CALIFORNIA		SEWER WBS	B-18212
PUBLIC UTILITIES DEPARTMENT		PROJECT ENGINEER	JONARD TALAMAYAN
SHEET 102 OF 106 SHEETS		CONTROL CERTIFICATION	SEE SHEETS
FOR CITY ENGINEER		DATE	11/01/2019
AHMED ABURAHMAH		DEPUTY CITY ENGINEER	ELIZABETH DUNN
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL			
CONTRACTOR	DATE STARTED	INSPECTOR	DATE COMPLETED

NOTES THIS SHEET

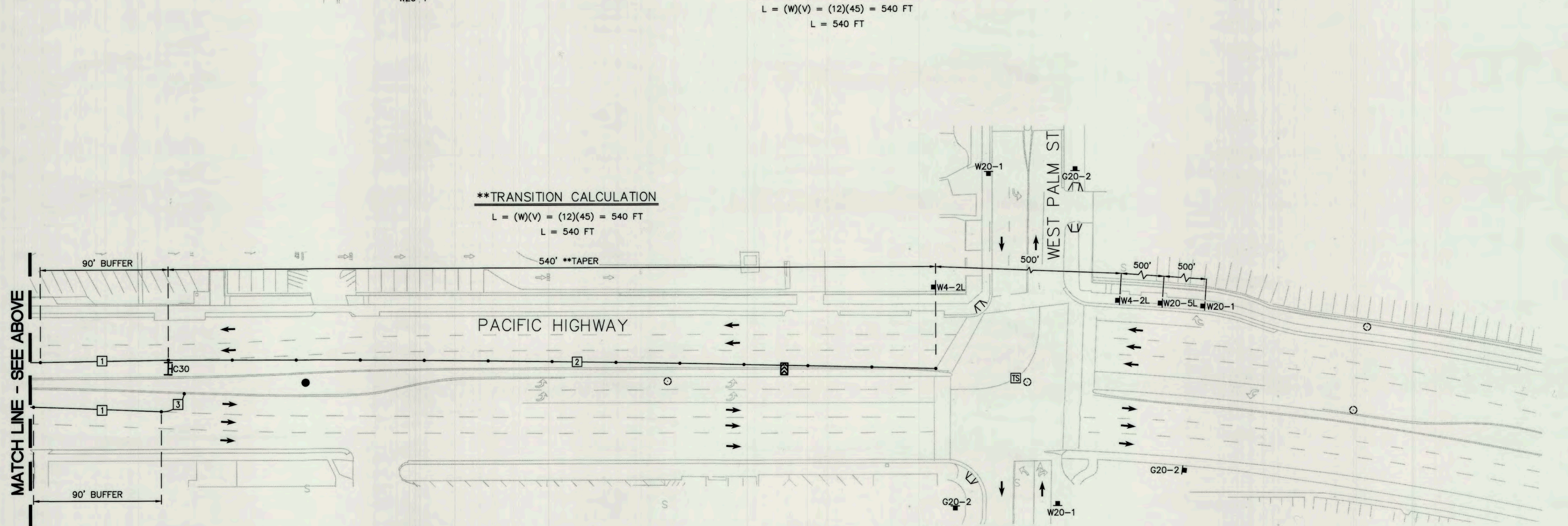
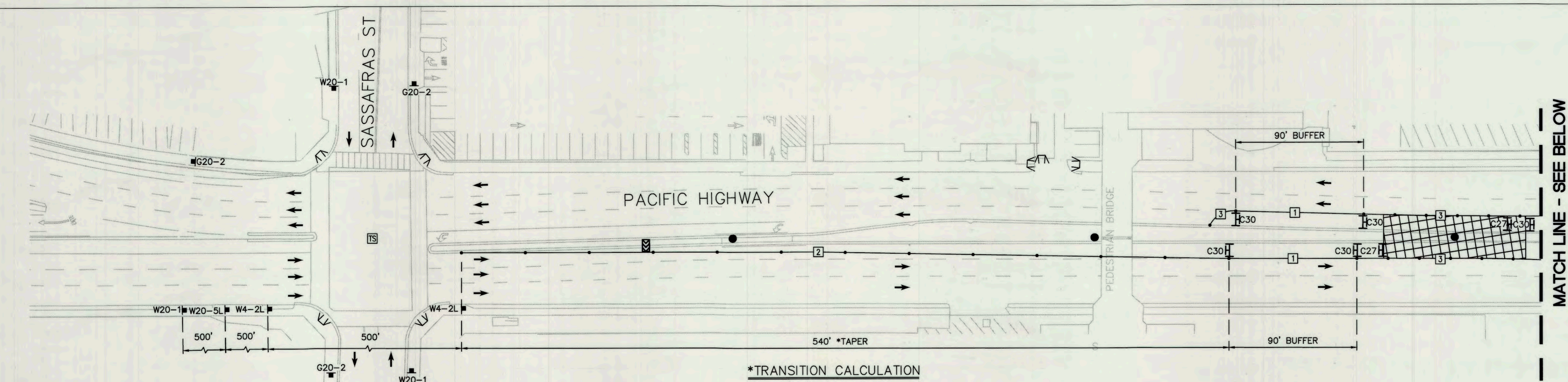
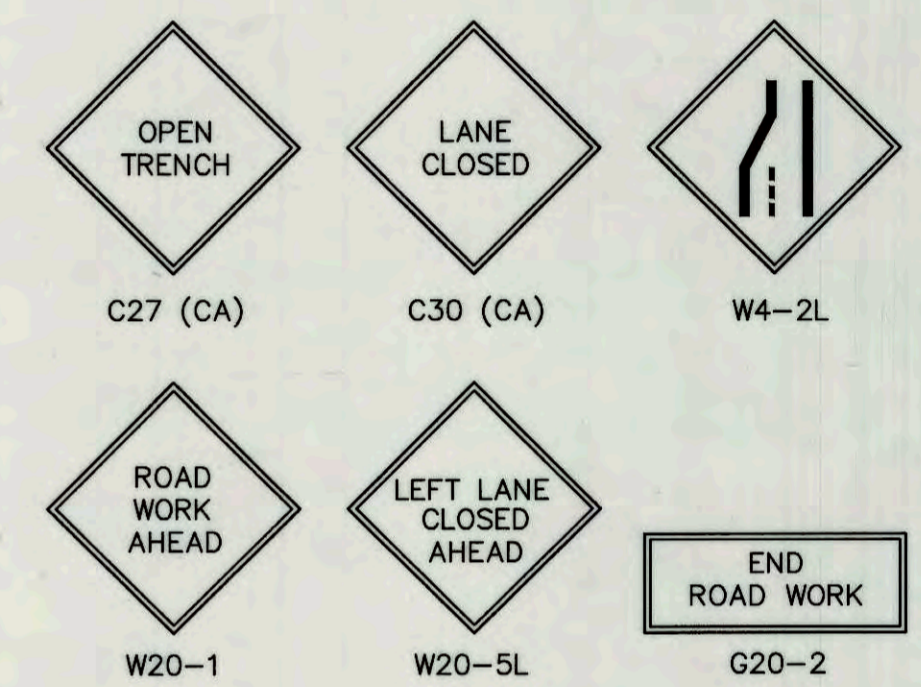
- 1 DELINEATORS SHALL BE PLACED AT 90' INTERVALS
- 2 DELINEATORS SHALL BE PLACED AT 45' INTERVALS
- 3 DELINEATORS SHALL BE PLACED AT 22' INTERVALS

SEWER CONSTRUCTION
 WORK HOURS: 9:00PM TO 5:00AM
 NIGHT WORK

TRAFFIC CONTROL LEGEND

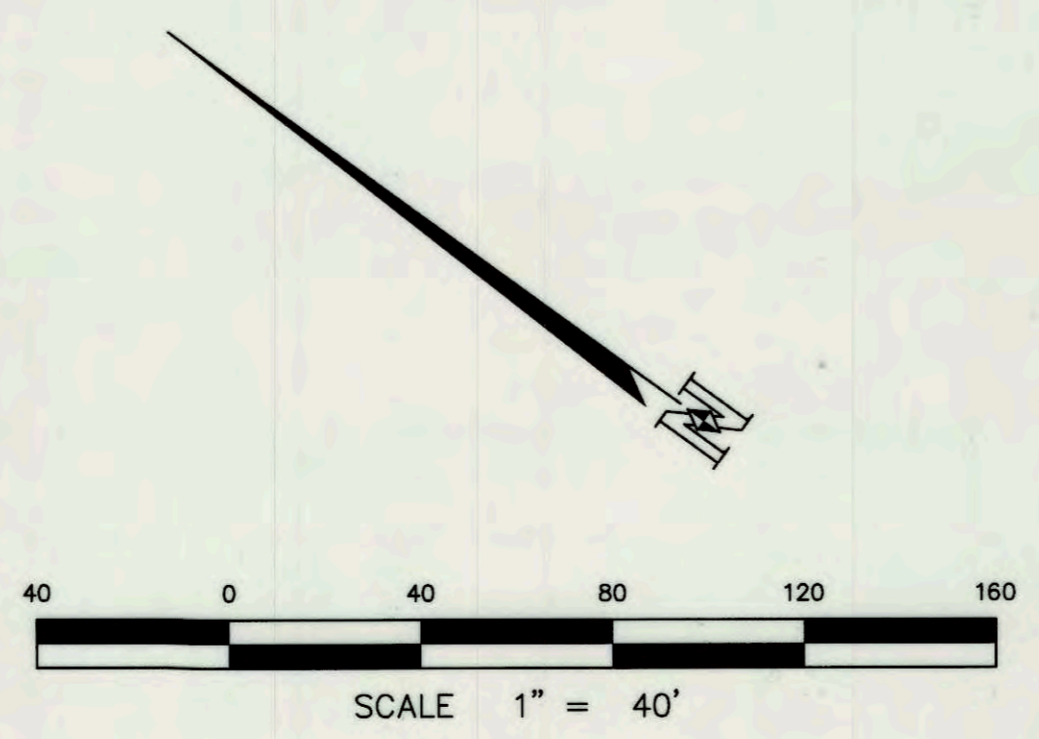
- TRAFFIC CONE
- TRAFFIC SIGN
- ▣ WORK ZONE
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- ◻ FLASHING ARROW SIGN
- DIRECTIONAL ARROW
- TS TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION SIGNS



TRAFFIC CONTROL — PHASE 2

SCALE: 1" = 40'



NOTE:
 FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-1

TRAFFIC SIGNAL NOTE: 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

APPROACH SPEED (MPH)	BUFFER LENGTH	MINIMUM SIGN SPACING	CONE SPACING		
			TAPER	TANGENT	CONFLICT
45	360'	500'	45'	60'	15'

811 Dig Alert
 Know what's below. Call before you dig.
 California South
 Call Two Working Days Before You Dig
 811 / 800-227-2600

PLAN DATE IDENTIFIER
 DATE OF LAST CHANGE TO THIS PLAN: 10/16/2019 BY: ZM
 DATE OF THIS PLAN: 10/16/2019

CONSULTANT

Nasland Civil Engineering
 Surveying
 Land Planning
 T (858) 292-7770
 4740 Ruffner Street
 San Diego, CA 92111
 nasland.com

REGISTERED PROFESSIONAL ENGINEER
 JAMES JARRETT
 No. 84231
 EXP. 6-30-21
 STATE OF CALIFORNIA

119-111.1

TRAFFIC CONTROL PLANS FOR:

**PIPELINE REHABILITATION AY-1
 PACIFIC HIGHWAY**

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC UTILITIES DEPARTMENT
 SHEET T03 OF T06 SHEETS

FOR CITY ENGINEER: AHMED ABURAHMAH
 DEPUTY CITY ENGINEER

DATE: 11/01/2019

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				

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

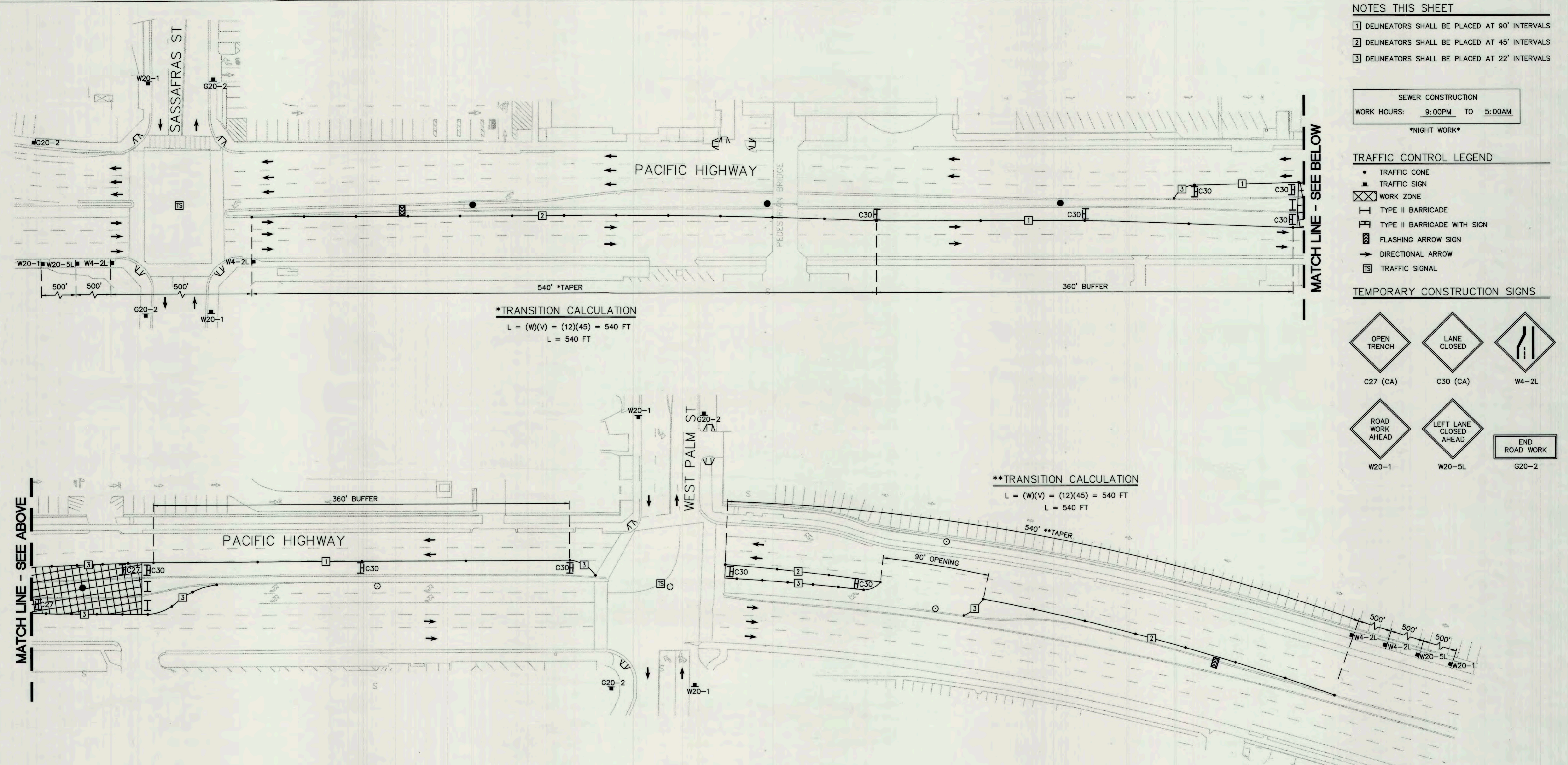
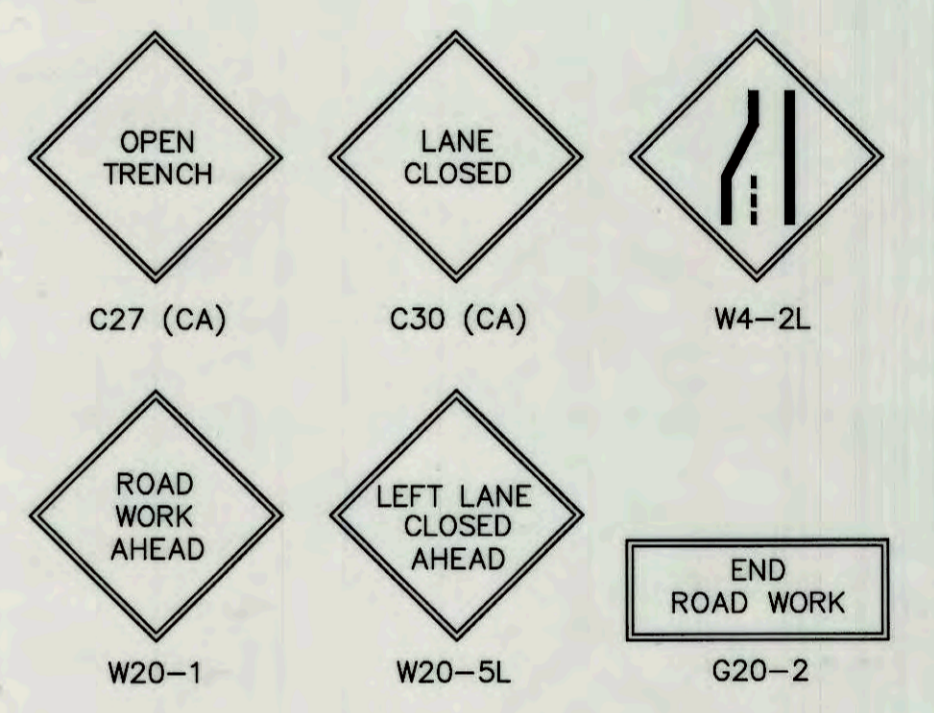
SEWER WBS: B-18212
 AUTHORIZED BY: JONARD TALAMAYAN, PROJECT MANAGER
 ELIZABETH DUNN, PROJECT ENGINEER
 SEE SHEETS CONTROL CERTIFICATION
 SEE SHEETS LAMBERT COORDINATES
 38101-T03-D

- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 90' INTERVALS
 - 2 DELINEATORS SHALL BE PLACED AT 45' INTERVALS
 - 3 DELINEATORS SHALL BE PLACED AT 22' INTERVALS

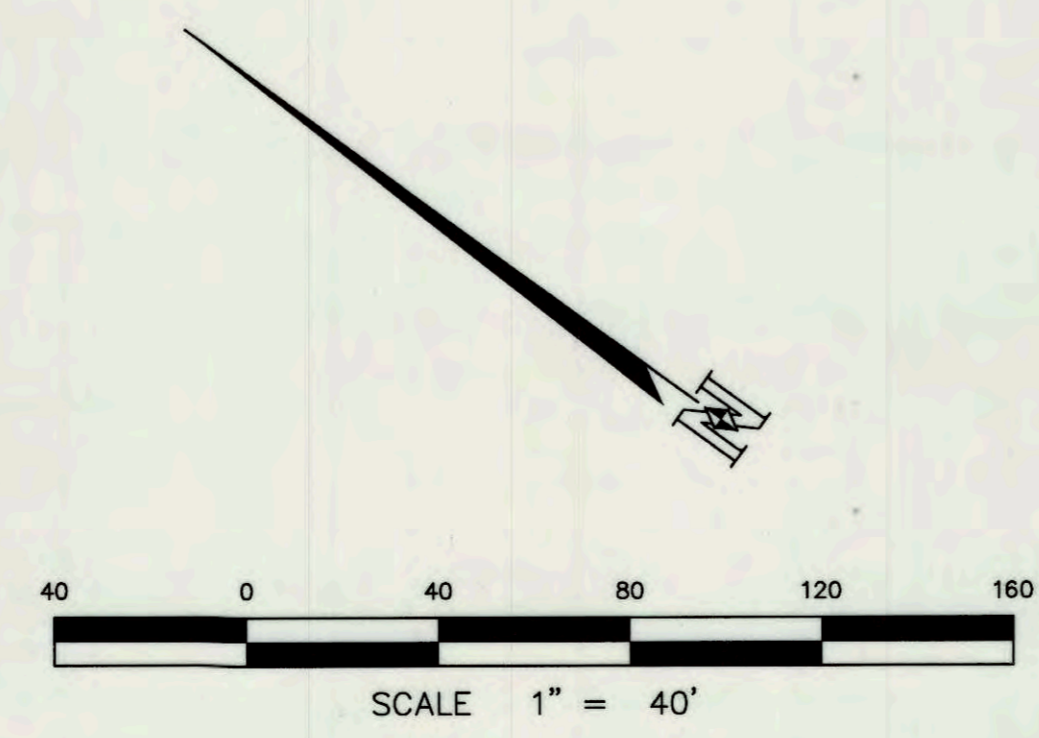
SEWER CONSTRUCTION
 WORK HOURS: 9:00PM TO 5:00AM
 NIGHT WORK

- TRAFFIC CONTROL LEGEND**
- TRAFFIC CONE
 - TRAFFIC SIGN
 - ▣ WORK ZONE
 - TYPE II BARRICADE
 - TYPE II BARRICADE WITH SIGN
 - ⚡ FLASHING ARROW SIGN
 - DIRECTIONAL ARROW
 - Ⓢ TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION SIGNS



TRAFFIC CONTROL - PHASE 3
 SCALE: 1" = 40'



NOTE:
 FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-1

TRAFFIC SIGNAL NOTE: 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

APPROACH SPEED (MPH)	BUFFER LENGTH	MINIMUM SIGN SPACING	CONE SPACING		
			TAPER	TANGENT	CONFLICT
45	360'	500'	45'	60'	15'

TRAFFIC CONTROL PLANS FOR:

**PIPELINE REHABILITATION AY-1
 PACIFIC HIGHWAY**

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC UTILITIES DEPARTMENT
 SHEET 104 OF 106 SHEETS

DATE: 11/01/2019

FOR CITY ENGINEER: AHMED ABURAHMAH
 DEPUTY CITY ENGINEER

FOR PROJECT MANAGER: JONARD TALAMAYAN

ELIZABETH DUNN
 PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				

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

38101-T04-D

CONSULTANT

Nasland Civil Engineering
 Surveying
 Land Planning

T (858) 292-7770
 4740 Ruffner Street
 San Diego, CA 92111
 nasland.com

119-111.1

811 Dig Alert
 Dig where you dig.
 Call before you dig.
 California South
 Call Two Working Days Before You Dig!
 811 / 800-227-2600

PLAN DATE IDENTIFIER
 DATE OF LAST CHANGE TO THIS PLAN: 10/16/2019 BY: ZM
 DATE OF THIS PLAN: 10/16/2019

REGISTERED PROFESSIONAL ENGINEER
 JAMES JARRETT, CIVIL ENGINEER
 STATE OF CALIFORNIA

NOTES THIS SHEET







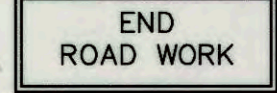
- 1 DELINEATORS SHALL BE PLACED AT 90' INTERVALS
- 2 DELINEATORS SHALL BE PLACED AT 45' INTERVALS
- 3 DELINEATORS SHALL BE PLACED AT 22' INTERVALS

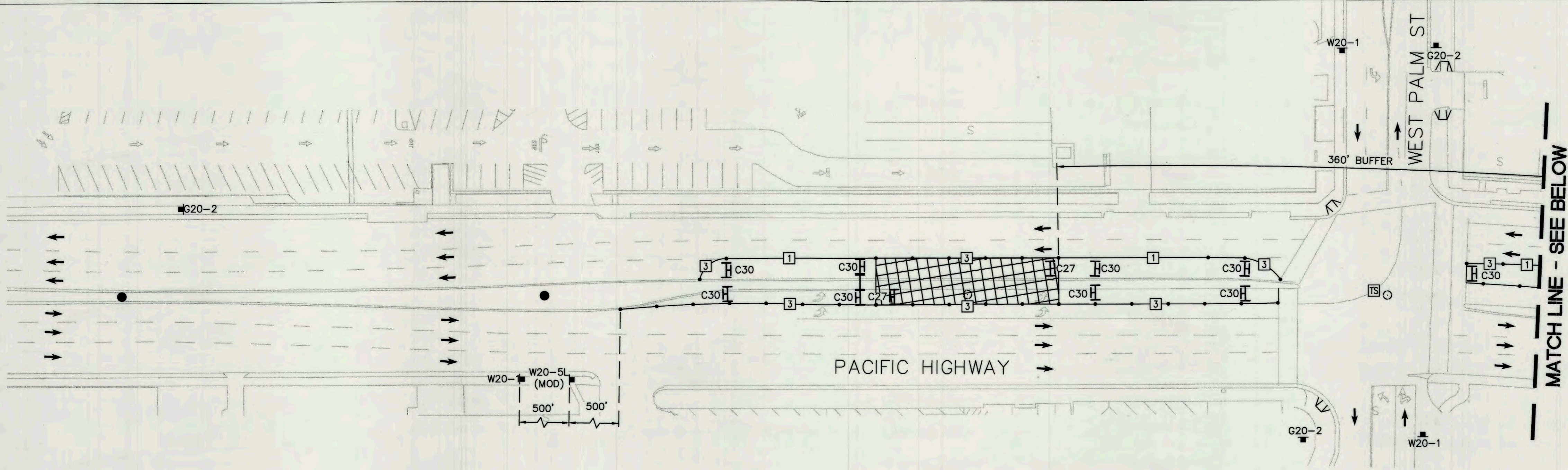
SEWER CONSTRUCTION
 WORK HOURS: 9:00PM TO 5:00AM
 NIGHT WORK

TRAFFIC CONTROL LEGEND

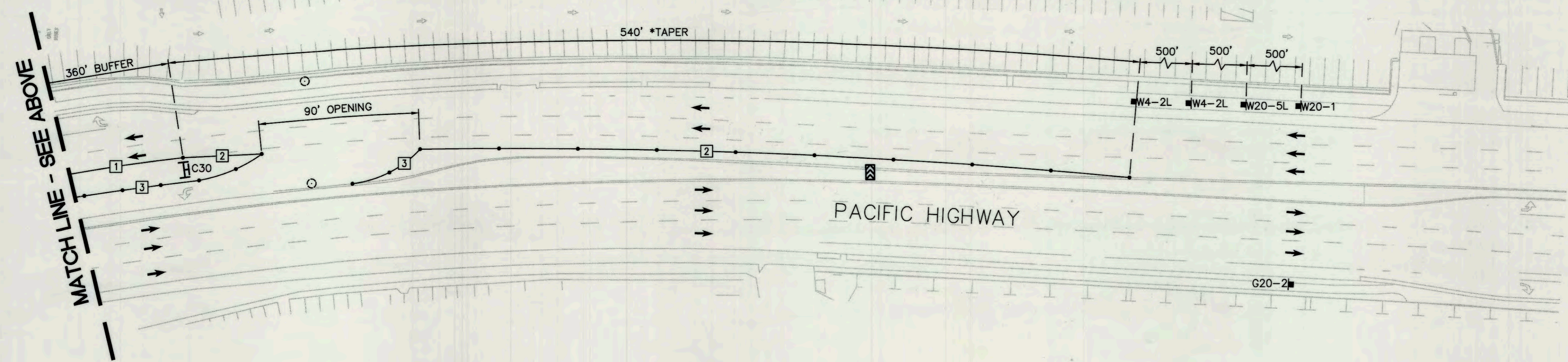
- TRAFFIC CONE
- ▲ TRAFFIC SIGN
- ▣ WORK ZONE
- ⊥ TYPE II BARRICADE
- ⊥ TYPE II BARRICADE WITH SIGN
- ⚡ FLASHING ARROW SIGN
- ➔ DIRECTIONAL ARROW
- Ⓢ TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION SIGNS

 OPEN TRENCH C27 (CA)	 LANE CLOSED C30 (CA)	 W4-2L
 ROAD WORK AHEAD W20-1	 LEFT LANE CLOSED AHEAD W20-5L	 LEFT TURN LANE CLOSED AHEAD W20-5L(MOD)
 END ROAD WORK G20-2		



***TRANSITION CALCULATION**
 $L = (W)(V) = (12)(45) = 540 \text{ FT}$
 $L = 540 \text{ FT}$



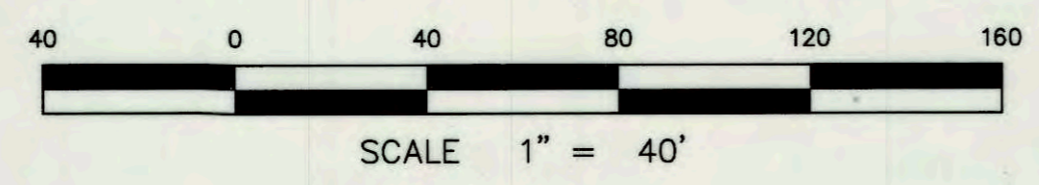
TRAFFIC CONTROL - PHASE 4
 SCALE: 1" = 40'

NOTE:
 FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-1

TRAFFIC SIGNAL NOTE: 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

APPROACH SPEED (MPH)	BUFFER LENGTH	MINIMUM SIGN SPACING	CONE SPACING		
			TAPER	TANGENT	CONFLICT
45	360'	500'	45'	60'	15'




PLAN DATE IDENTIFIER	
DATE OF LAST CHANGE TO THIS PLAN	BY: ZM
10/16/2019	
DATE OF THIS PLAN	
10/16/2019	

TRAFFIC CONTROL PLANS FOR:
PIPELINE REHABILITATION AY-1
PACIFIC HIGHWAY

CITY OF SAN DIEGO, CALIFORNIA PUBLIC UTILITIES DEPARTMENT SHEET 105 OF 106 SHEETS		SEWER WBS B-18212
FOR CITY ENGINEER AHMED ABURAHMAH DEPUTY CITY ENGINEER		PROJECT MANAGER JONARD TALAMAYAN
DATE 11/01/2019		PROJECT ENGINEER ELIZABETH DUNN
DESCRIPTION	BY	APPROVED
ORIGINAL		
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		CONTROL CERTIFICATION SEE SHEETS LAMBERT COORDINATES 38101-T05-D

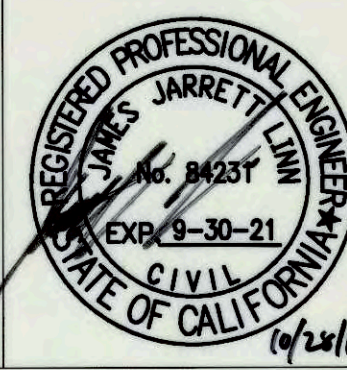
CONSULTANT



Civil Engineering
 Surveying
 Land Planning

T (858) 292-7770
 4740 Ruffner Street
 San Diego, CA 92111
 nasland.com

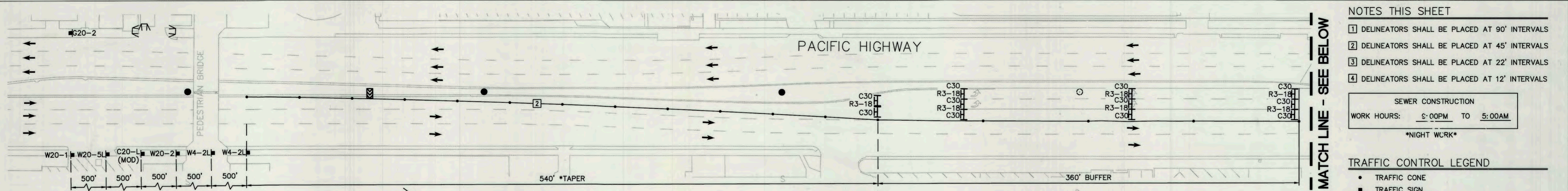
119-111.1



- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 90' INTERVALS
 - 2 DELINEATORS SHALL BE PLACED AT 45' INTERVALS
 - 3 DELINEATORS SHALL BE PLACED AT 22' INTERVALS
 - 4 DELINEATORS SHALL BE PLACED AT 12' INTERVALS

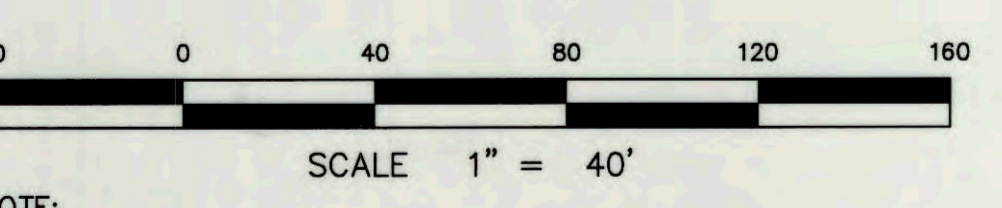
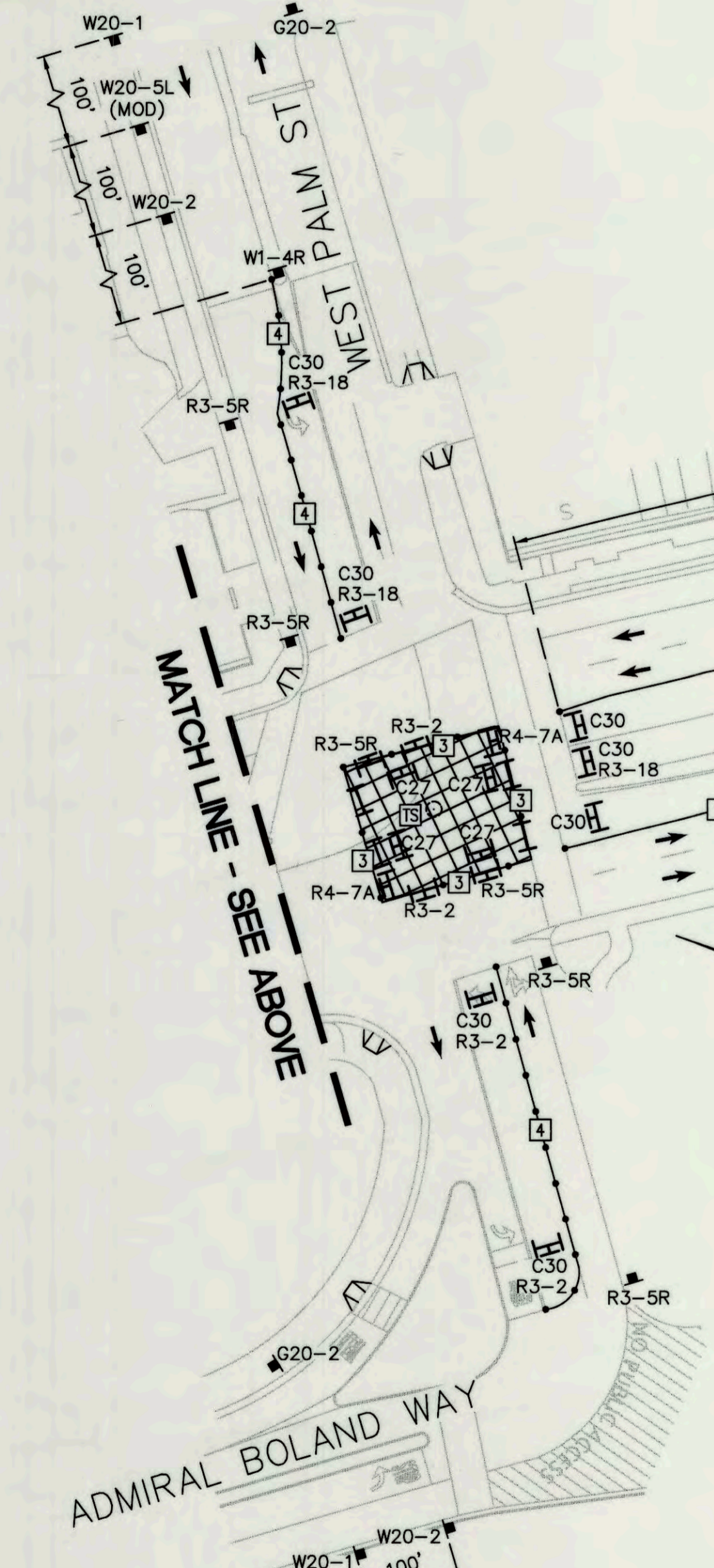
SEWER CONSTRUCTION
 WORK HOURS: 5:00PM TO 5:00AM
 NIGHT WORK

- TRAFFIC CONTROL LEGEND**
- TRAFFIC CONE
 - ▲ TRAFFIC SIGN
 - ▣ WORK ZONE
 - ⊥ TYPE II BARRICADE
 - ⊥ TYPE II BARRICADE WITH SIGN
 - ⊥ FLASHING ARROW SIGN
 - DIRECTIONAL ARROW
 - Ⓜ TRAFFIC SIGNAL



***TRANSITION CALCULATION**
 $L = (W)(V) = (12)(45) = 540 \text{ FT}$
 $L = 540 \text{ FT}$

****TRANSITION CALCULATION**
 $L = (W)(V) = (12)(45) = 540 \text{ FT}$
 $L = 540 \text{ FT}$
 540' **TAPER

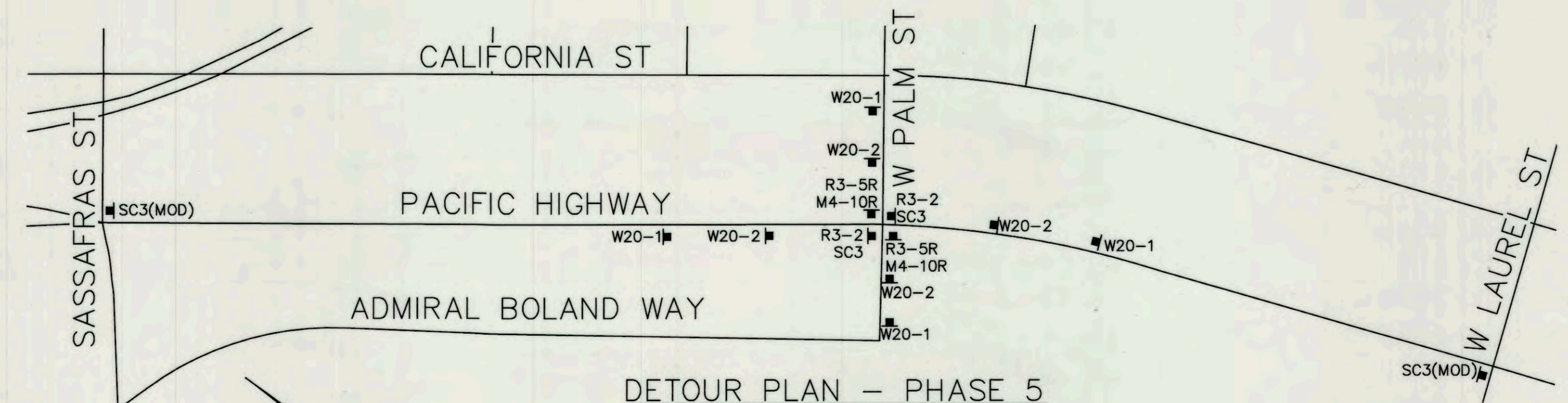


NOTE:
 FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-1

TRAFFIC SIGNAL NOTE: 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

APPROACH SPEED (MPH)	BUFFER LENGTH	MINIMUM SIGN SPACING	CONE SPACING		
			TAPER	TANGENT	CONFLICT
45	360'	500'	45'	60'	15'

TRAFFIC CONTROL - PHASE 5
 SCALE: 1" = 40'



DETOUR PLAN - PHASE 5
 NOT TO SCALE

TEMPORARY CONSTRUCTION SIGNS

TRAFFIC CONTROL PLANS FOR:

**PIPELINE REHABILITATION AY-1
 PACIFIC HIGHWAY**

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC UTILITIES DEPARTMENT
 SHEET 106 OF 106 SHEETS

FOR CITY ENGINEER: AHMED ABURAHMAH
 DEPUTY CITY ENGINEER

DATE: 11/01/2019

FOR CITY ENGINEER: JONARD TALAMAYAN
 PROJECT MANAGER

ELIZABETH DUNN
 PROJECT ENGINEER

DESCRIPTION BY APPROVED DATE FILMED

ORIGINAL
 SEE SHEETS
 CONTROL CERTIFICATION
 SEE SHEETS
 LAMBERT COORDINATES

CONTRACTOR: 38101-T06-D
 INSPECTOR: DATE STARTED: DATE COMPLETED:

CONSULTANT

Nasland Civil Engineering
 Surveying
 Land Planning

T (858) 292-7770
 4740 Ruffner Street
 San Diego, CA 92111
 nasland.com

811 Dig Alert
 Know what's below.
 Call before you dig.
 California South
 Call Two Working Days Before You Dig
 811 / 800-227-2600

PLAN DATE IDENTIFIER
 DATE OF LAST CHANGE TO THIS PLAN: 10/16/2019 BY: ZM
 DATE OF THIS PLAN: 10/16/2019

PROFESSIONAL ENGINEER
 JARRETT L. BROWN
 No. 84231
 Exp. 9-30-21
 CIVIL
 STATE OF CALIFORNIA

119-111.1

APPENDIX Q
ALTERNATE A - SCOPE

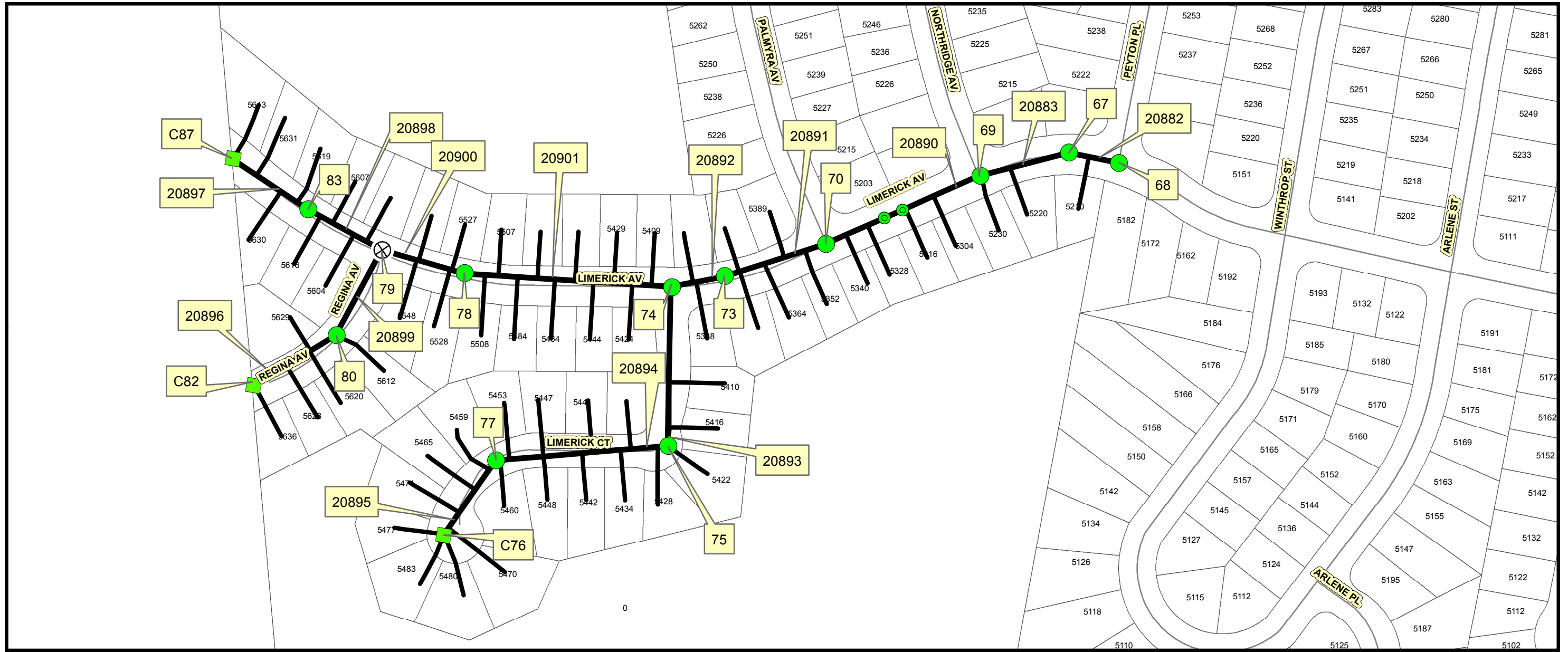
TABLE OF CONTENTS FOR ALTERNATIVE A - SCOPE

PAGE NO	DESCRIPTION
1	GIS SITE MAP FOR LIMERICK AVE, REGINA AVE & LIMERICK CT
2-5	SPREADSHEETS FOR PIPELINES, LATERALS & MANHOLES
6	LOCATION MAP
7	ADJACENT PROJECT LOCATION MAP
8	SURVEY MONUMENT PERPETUATION MAP
9-10	ENVIRONMENTAL DOCUMENT (NOE)






THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SANDAG. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

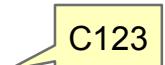
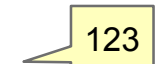
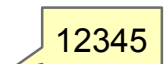
Note:
 Work at the north end of Limerick Ave and west end of Regina Ave (within 300-feet of the MHPA) shall be restricted to outside the bird nesting season (March 1 – August 15). If work must occur during this time period, the contractor must hire a biologist. The biologist will be required to survey the area for nesting birds, including listed or MSCP covered species such as California Gnatcatcher. If nesting birds are detected, the project will be required to implement noise attenuation measures, as needed, to comply with the City's MHPA Land Use Adjacency Guidelines (MSCP Subarea Plan Section 1.4.3) and ensure construction noise does not exceed 60 dbA (hourly average) at the edge of occupied habitat.

Work at the north end of Limerick Ave and west end of Regina Ave (within 300-feet of the MHPA) shall be restricted to day light hours only. If work must occur at night, all lighting shall be shielded and directed away from the MHPA and undeveloped area.



Legend


-  Proposed Pipeline Rehabilitation
-  Proposed Lateral Rehabilitation
-  Internal Point Repair
-  Proposed MH Rehabilitation
-  Proposed MH Replacement
-  Proposed Cleanout

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

PIPELINE REHABILITATION AY-1

LIMERICK AVENUE TO END REGINA AVE TO END LIMERICK CT TO END



 NOT TO SCALE	WBS# B-18212	MAP NO. 1 of 1 210 Page
---	-------------------------------	---

SHEET NO.	ENV	PIPE SIZE (inches)	PIPE MATERIAL	LENGTH (feet)	LATERALS (each)	US FIELD BOOK	US MH ID	US MH LE	US MH DEPTH	US FIELD BOOK	US MH ID	US MH LE	US MH DEPTH	THOMAS' BRO	INSTALL DATE	ACTION	STREET NAME	COMMUNITY NAME	COMMUNITY DISTRICT
1	20883	10	VC	70	1	F105	67	364.41	8	F105	68	364.2	5	122817		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20883	8	VC	145	2	F105	69	364.99	8	F105	67	364.41	5	122817		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20890	8	VC	251	4	F105	70	365.99	8	F105	69	364.99	8	122817		POINT REPAIR-REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20891	10	VC	163	5	F105	73	366.48	9	F105	70	365.99	8	122817		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20892	10	VC	85	2	F105	74	366.73	8	F105	73	366.48	9	122817		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20893	8	VC	242	2	F105	75	367.88	8	F105	74	366.73	8	122817		REHAB	LIMERICK CT	CLAIREMONT MESA	6
1	20894	8	VC	260	10	F105	77	368.02	4	F105	75	367.88	8	122816		REHAB	LIMERICK CT	CLAIREMONT MESA	6
1	20895	8	VC	133	7	F105	76	369.41	4	F105	77	368.02	4	122816		REHAB	LIMERICK CT	CLAIREMONT MESA	6
1	20896	8	VC	152	4	F105	82	369.41	4	F105	80	368.8	4	122816		REHAB	REGINA AV	CLAIREMONT MESA	6
1	20897	10	VC	138	4	F105	87	368.84	3	F105	83	368.43	3	122816		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20898	10	VC	125	4	F105	83	368.43	4	F105	79	368.05	4	122816		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20899	8	VC	145	1	F105	80	368.8	4	F105	79	368.05	4	122816		REHAB	REGINA AV	CLAIREMONT MESA	6
1	20900	10	VC	112	4	F105	79	368.05	4	F105	78	367.66	5	122816		REHAB	LIMERICK AV	CLAIREMONT MESA	6
1	20901	10	VC	310	10	F105	78	367.66	5	F105	74	366.73	8	122816		REHAB	LIMERICK AV	CLAIREMONT MESA	6
Totals:				2351	60														
8" pipeline=				1328	LF														
10" pipeline=				1023	LF														
Total LF of pipe=				2351	LF														
Total Laterals=				60	EA														

August 3, 2020

PIPELINE REHABILITATION AY-1 - ADDITIONAL LATERALS- LIMERICK AVE/REGINA AVE/LIMERICK CT- LATERAL SPREADSHEET B-18212

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
1	20882	172541	4	F10S	1228H7	5210	LIMERICK	AV
1	20883	172443	4	F10S	1228H7	5230	LIMERICK	AV
1	20883	172482	4	F10S	1228H7	5220	LIMERICK	AV
1	20890	301673	4	F10S	1228H7	5328	LIMERICK	AV
1	20890	301705	4	F10S	1228H7	5316	LIMERICK	AV
1	20890	301718	4	F10S	1228H7	5304	LIMERICK	AV
1	20890	172274	4	F10S	1228H7	5340	LIMERICK	AV
1	20891	301570	4	F10S	1228H7	5364	LIMERICK	AV
1	20891	172107	4	F10S	1228H7	5377	LIMERICK	AV
1	20891	172144	4	F10S	1228H7	5376	LIMERICK	AV
1	20891	172164	4	F10S	1228H7	5389	LIMERICK	AV
1	20891	172228	4	F10S	1228H7	5352	LIMERICK	AV
1	20892	301489	4	F10S	1228H7	5388	LIMERICK	AV
1	20892	172039	4	F10S	1228H7	5357	LIMERICK	AV
1	20893	301513	4	F10S	1228H7	5410	LIMERICK	CT
1	20893	301517	4	F10S	1228H7	5416	LIMERICK	CT
1	20894	301340	4	F10S	1228H6	5453	LIMERICK	CT
1	20894	301382	4	F10S	1228H6	5448	LIMERICK	CT
1	20894	301412	4	F10S	1228H6	5441	LIMERICK	CT
1	20894	301414	4	F10S	1228H6	5442	LIMERICK	CT
1	20894	301446	4	F10S	1228H7	5429	LIMERICK	CT
1	20894	171865	4	F10S	1228H6	5460	LIMERICK	CT
1	20894	171887	4	F10S	1228H6	5447	LIMERICK	CT
1	20894	171991	4	F10S	1228H7	5434	LIMERICK	CT
1	20894	172048	4	F10S	1228H7	5428	LIMERICK	CT
1	20894	172110	4	F10S	1228H7	5422	LIMERICK	CT
1	20895	301312	4	F10S	1228H6	5471	LIMERICK	CT
1	20895	301328	4	F10S	1228H6	5459	LIMERICK	CT
1	20895	171804	4	F10S	1228H6	5483	LIMERICK	CT
1	20895	171829	4	F10S	1228H6	5465	LIMERICK	CT
1	20895	171837	4	F10S	1228H6	5480	LIMERICK	CT
1	20895	171870	4	F10S	1228H6	5470	LIMERICK	CT
1	20895	171803	4	F10S	1228H6	5477	LIMERICK	CT
1	20896	301185	4	F10S	1228H6	5636	REGINA	AV
1	20896	301212	4	F10S	1228H6	5626	REGINA	AV
1	20896	301223	4	F10S	1228H6	5620	REGINA	AV
1	20896	171638	4	F10S	1228H6	5629	REGINA	AV
1	20897	301148	4	F10S	1228H6	5631	LIMERICK	AV
1	20897	301175	4	F10S	1228H6	5619	LIMERICK	AV
1	20897	171549	4	F10S	1228H6	5643	LIMERICK	AV
1	20897	171584	4	F10S	1228H6	5660	LIMERICK	AV
1	20898	301207	4	F10S	1228H6	5607	LIMERICK	AV
1	20898	301232	4	F10S	1228H6	5567	LIMERICK	AV

August 3, 2020

PIPELINE REHABILITATION AY-1 - ADDITIONAL LATERALS- LIMERICK AVE/REGINA AVE/LIMERICK CT- LATERAL SPREADSHEET B-18212

SHEET NO.	PIPELINE FSN	LATERAL FSN	LATERAL SIZE	FIELD BOOK	THOMAS BRO	STREET NUMBER	STREET NAME	STREET SUFFIX
	1	20898	171624	4	F10S	1228H6	5616 LIMERICK	AV
	1	20898	171655	4	F10S	1228H6	5604 LIMERICK	AV
	1	20899	171700	4	F10S	1228H6	5612 REGINA	AV
	1	20900	301258	4	F10S	1228H6	5547 LIMERICK	AV
	1	20900	301280	4	F10S	1228H6	5528 LIMERICK	AV
	1	20900	171718	4	F10S	1228H6	5548 LIMERICK	AV
	1	20900	171760	4	F10S	1228H6	5527 LIMERICK	AV
	1	20901	301361	4	F10S	1228H6	5464 LIMERICK	AV
	1	20901	301394	4	F10S	1228H6	5444 LIMERICK	AV
	1	20901	301424	4	F10S	1228H6	5424 LIMERICK	AV
	1	20901	171807	4	F10S	1228H6	5508 LIMERICK	AV
	1	20901	171816	4	F10S	1228H6	5507 LIMERICK	AV
	1	20901	171846	4	F10S	1228H6	5484 LIMERICK	AV
	1	20901	171860	4	F10S	1228H6	5469 LIMERICK	AV
	1	20901	171889	4	F10S	1228H6	5449 LIMERICK	AV
	1	20901	171917	4	F10S	1228H6	5429 LIMERICK	AV
	1	20901	171973	4	F10S	1228H6	5409 LIMERICK	AV

Number of 4" laterals- 60

<u>SHEET NO.</u>	<u>MANHOLE FSN</u>	<u>MANHOLE ID</u>	<u>MANHOLE IE (INVERT_ELE)</u>	<u>MANHOLE DEPTH</u>	<u>MANHOLE METHOD</u>	<u>STREET NAME</u>	<u>GATE BOOK</u>	<u>THOMAS BRO</u>
1	88408	67	364.41	5	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
1	88410	69	364.99	8	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
1	88411	70	365.99	8	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
1	88414	73	366.48	9	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
1	88415	74	366.73	8	MANHOLE REHAB	LIMERICK AV	F10S	1228H7
1	88416	75	367.88	8	MANHOLE REHAB	LIMERICK CT	F10S	1228H7
1	88417	C 76	369.41	4	CLEANOUT	LIMERICK	F10S	1228H6
1	88418	77	368.92	4	MANHOLE REHAB	LIMERICK CT	F10S	1228H6
1	88419	78	367.66	5	MANHOLE REHAB	LIMERICK AV	L14S	1250D5
1	88420	79	368.05	4	MANHOLE REPLACEMENT	LIMERICK	F10S	1228H6
1	88421	80	368.8	4	MANHOLE REHAB	REGINA AV	F10S	1228H6
1	88422	C 82	369.41	4	CLEANOUT	REGINA	F10S	1228H6
1	88423	83	368.43	3	MANHOLE REHAB	LIMERICK AV	F10S	1228H6
1	88427	C 87	368.84	3	CLEANOUT	LIMERICK	F10S	1228H6
1	88409	68	364.2	5	MANHOLE REHAB	LIMERICK AV	F10S	1228H7

Manhole Rehab- 11
 Manhole Replacements- 1
 Cleanouts- 3

**PIPELINE REHABILITATION AY-1
LIMERICK AVE TO END & REGINA AVE TO END
LIMERICK CT TO END**

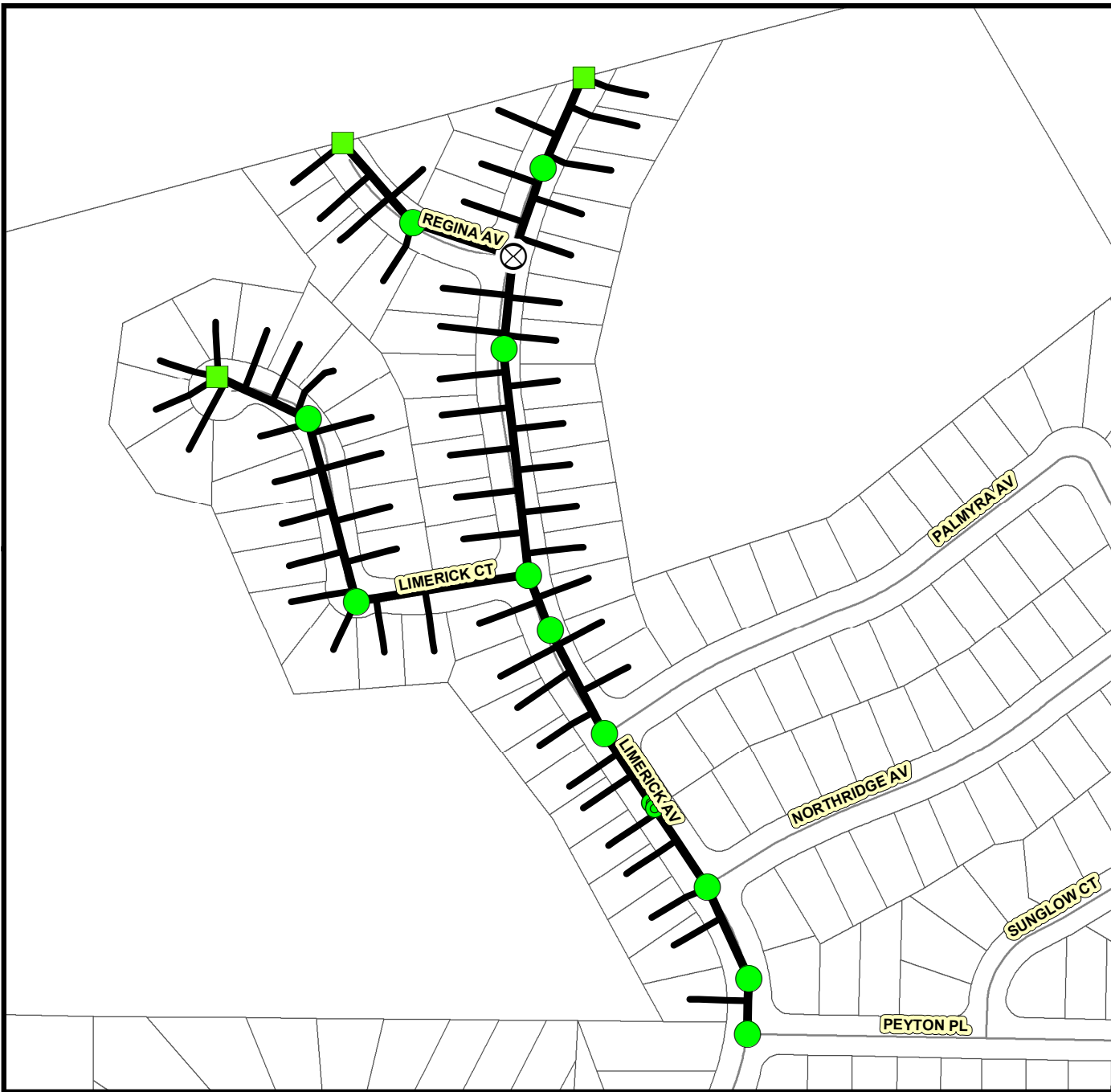
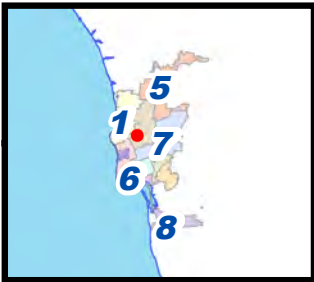
1 OF 1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JONARD TALAMAYAN
619-533-4116

PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461

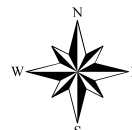
FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend Date: August 5, 2020

COMMUNITY NAME: CLAIREMONT MESA **LOCATION MAP**

- Proposed Pipeline Rehabilitation
- Proposed Lateral Rehabilitation
- Proposed MH Rehabilitation
- Internal Point Repair
- Proposed MH Replacement
- Proposed Cleanout



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SandAG. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

**PIPELINE REHABILITATION AY-1
LIMERICK AVE & REGINA AVE & LIMERICK CT**

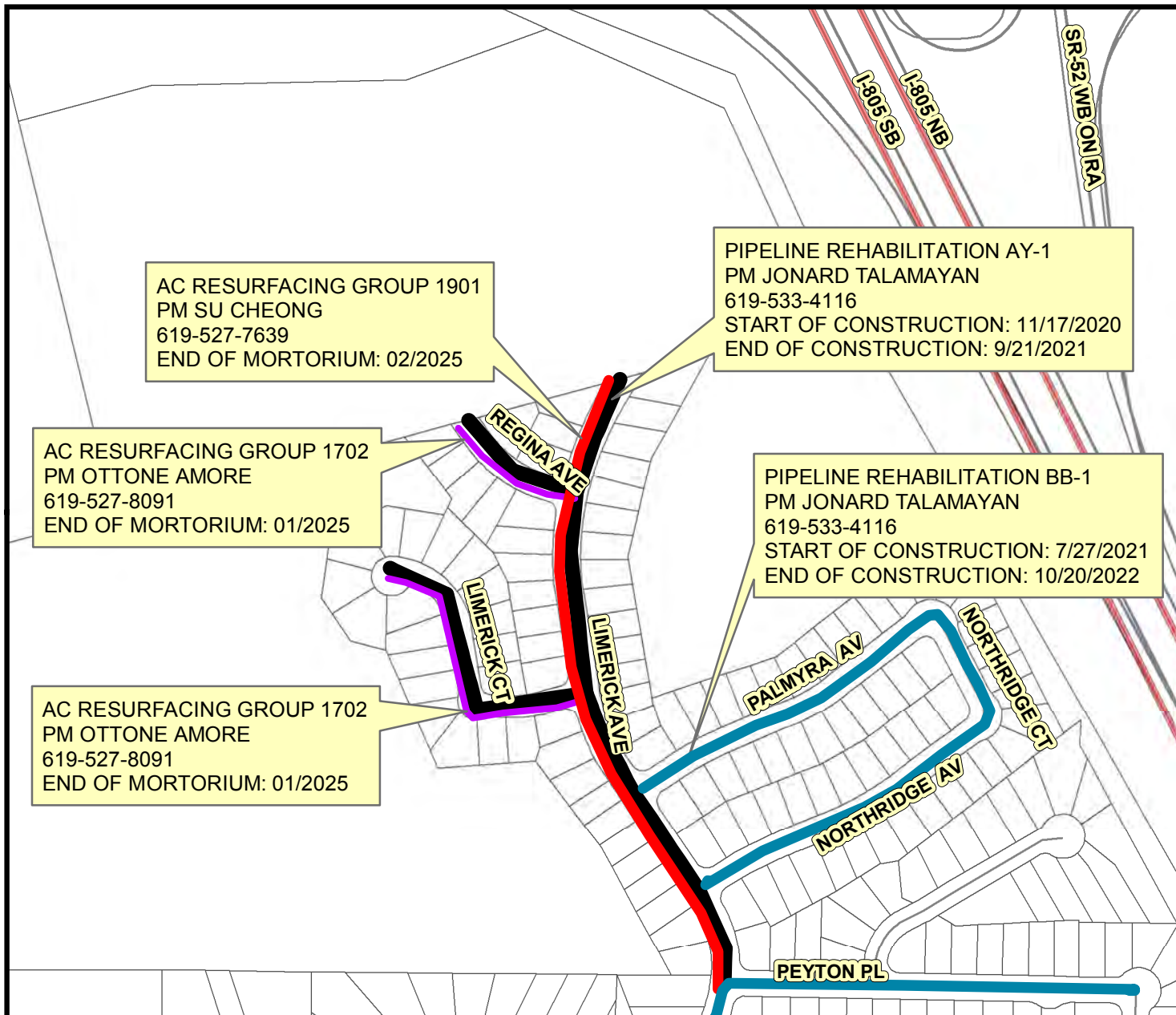
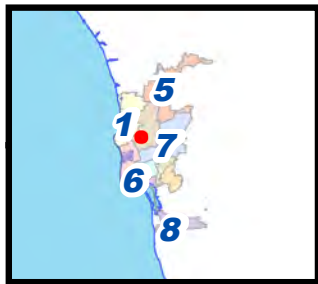
ADJACENT PROJECT MAP 1 OF 1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JONARD TALAMAYAN
619-533-4116

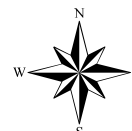
PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461

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



Legend Date: August 7, 2020

- PIPELINE REHABILITATION AY-1
- AC RESURFACING 1901
- AC RESURFACING 1702
- PIPELINE REHABILITATION BB-1



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to Sandag. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to Sandag. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.



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.

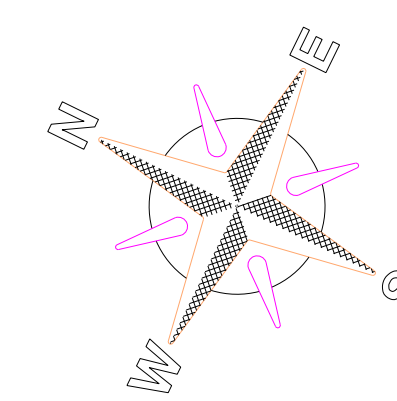
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED 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-IO
- LOCATION OF SURVEY BENCH MARK
- ⊗ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

MAPS FOR THE CONSTRUCTION OF
PIPELINE REHABILITATION AY-1

MONUMENT PERPETUATION



NO SCALE

WBS #
B-18212

SEE MAP
SHEET 1 OF 1

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

9/8/20
Date

Check One:

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

Date Received for Filing with County Clerk or OPR:

APPENDIX R
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 R

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 S

REHAB DATA COLLECTION – SEWER MAINS SAMPLE DATA TEMPLATES

APPENDIX T

REHAB DATA COLLECTION – MANHOLE SAMPLE DATA TEMPLATE

APPENDIX U

REHAB DATA COLLECTION – LATERALS SAMPLE DATA TEMPLATES

APPENDIX V
PORT OF SAN DIEGO COORDINATION

August 17, 2020

Nirvana Ward
Public Works Department
City of San Diego
525 B Street,
San Diego, CA 92101

Dear Ms. Ward:

RE: City of San Diego - Sewer Pipeline Rehabilitation AY-1 Project
Project No. 2020-077
Category 1, Estimated Construction Cost - \$150,000

Thank you for submitting your proposed project for the Sewer Line Rehabilitation AY-1 (Project) located at Pacific Highway between Sassafras Street and West Palm Street, in City of San Diego, CA 9210. The San Diego Unified Port District (District) has reviewed your project application, project description and schematic plans (see Attachment A).

The proposed project would involve the rehabilitation of existing underground sewer pipelines by the City of San Diego. The proposed work would only occur within the City's paved right-of-way (ROW) and will not extend into the District's Tenants leaseholds.

Description of Project Scope:

- Rehabilitation of approximately 1,105 linear feet of existing eight (8)-inch diameter vitrified clay sewer main using trenchless construction methods;
- Excavation of an approximately three (3) foot-wide open trench for installation of eleven (11) new sewer lateral cleanouts via open trench construction;
- All improvements would be conducted within the right-of-way (ROW) on Pacific Highway;
- Sidewalk panel replacement may be required for the installation of new sewer lateral cleanouts within the paved ROW.
- Construction of the proposed project is anticipated to occur between May 2021 and September 2022 and would take approximately two (2) weeks to complete;
- Temporary staging for construction materials and equipment would occur within the ROW.

Staff has reviewed the application and has confirmed the proposed project is a "Category 1 Project". According to Board Policy 357, District approval is not required for this proposed project because no structural modifications, extraordinary repairs, substantial upgrades, subsurface installations, reduction in parking count, removal of trees, modifications resulting in a change of use or change in occupancy is involved.

Project No. 2020-072 San Diego Park, Shuttle & Fly (Lot B) Minor Improvement Project

As with any tenant project, the applicant is responsible for the following:

- All District improvements damaged during the course of work on the project shall be repaired or replaced in kind to the satisfaction of the District.
- All construction debris shall be disposed of off Tidelands in compliance with all applicable laws and ordinances.
- The City shall provide a minimum 72 hours notification to the District and its Tenants (Park N Fly and SDRAA) that will be impacted by the Project prior to start of construction.
- If a portion of the project needs to extend into the Port property, then a Tenant Project Application and Plans are required to be submitted to the District for review and approval.
- The City confirmed that the existing stormwater system will not be modified or affected by this project. In the event of any concern or changes to the stormwater system please contact Allison Vosskuhler at (619) 686-6434 before proceeding.
- All applicable permits must be obtained, and all applicable code regulations and conditions of approval must be met, including but not limited to those of the City of San Diego Building Department and Fire Marshall. All final outside agency inspection approvals must be available for District's inspection when the project is completed.

Should you have any questions, please contact Darwin Vasquez at (619) 686-6478 or via email to dvasquez@portofsandiego.org.

Sincerely,



Darwin Vasquez
Architect
Development Services Department

Attachment A – CEQA and Coastal Categorical Determinations (CatDet)
Attachment B – Project Description and Schematic Plans

Distribution:
T. Stack, SDUPD
M. Paul, SDUPD
W. Siao, SDUPD

SDUPD D2 No. 1644829

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 AY-1 Bid No. K-21-1957-DBB-3**; in the total amount **Three Million Six Hundred Eighty Thousand Dollars and Zero Cents (\$3,680,000.00)**, which is comprised of the Base Bid plus Alternate A, consisting of an amount not to exceed \$1,962,666.64 for Phase I and \$1,717,333.36 for Phase II.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AY-1**, on file in the Office of Engineering and Capital Projects Department as Document No. **B-18212**, 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 AY-1**, Bid No. **K-21-1957-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.

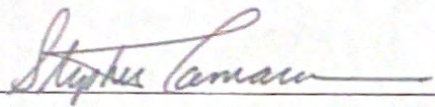
CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to or 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

Print Name: Bonny Hsu
Deputy City Attorney

Date: 2/8/2021

Date: 2/10/21

CONTRACTOR

By 

Print Name: Dominic J. Burtech

Title: President & CEO

Date: 12/22/2020

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

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 5-1.4, ("Contractor Standards and Pledge of Compliance"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

PIPELINE REHABILITATION AY-1

(Project Title)

as particularly described in said contract and identified as Bid No. **K-21-1957-DBB-3**; SAP No. (WBS) **B-18212**; 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	SUBCONTRACT OR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB①	WHERE CERTIFIED②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION**

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

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |

- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

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. SUBCONTRACTOR LISTING FOR ALTERNATE ITEMS**
- G. CONTRACTOR’S EXPERIENCE AND PAST PROJECT DOCUMENTATION. SEE SSP AND 2018 WB SECTION 500-2.1 “INITIAL SUBMITTALS”**
- H. 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 AY-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 29TH day of OCTOBER, 2020

BURTECH PIPELINE, INCORPORATED (SEAL)
(Principal)

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY (SEAL)
(Surety)

By: [Signature]
(Signature)
DOMINIC J. BURTECH, JR., PRESIDENT

By: [Signature]
(Signature)
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 11/4/2020 before me, Arthur P. Arquilla, Notary Public
(Please insert name and title of the officer)

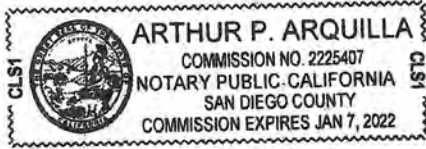
personally appeared Dominic Butsch
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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]
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 10/29/2020 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 *Tracy Lynn Rodriguez*
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 [Signature]
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 [Signature]
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.



[Signature]
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 29th day of OCTOBER, 20 20.

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

 Date 11/19/2020
Signature

USE ADDITIONAL FORMS AS NECESSARY

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

*** FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES ***

(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Additive Alternate A - #63, 65(partial) 68, &69	Name: <u>NuLine Technologies LLC</u> Address: <u>102 Second Street, Ste B</u> City: <u>Encinitas,</u> State: <u>CA</u> Zip: <u>92024</u> Phone: <u>760-634-5153</u> Email: <u>fdurazo@nulinetech.net</u>	Constructor	1000003808	997520	BI#63 & 65 (partial) Video Inspection BI#68 & 69 Rehab Sewer Main	\$58,006.15	MBE	CA	
Additive Alternate A - BI#71	Name: <u>Zebron Contracting, Inc.</u> Address: <u>PO Box 2874</u> City: <u>Newport Beach</u> State: <u>CA</u> Zip: <u>92658</u> Phone: <u>714-632-6690</u> Email: _____	Constructor	1000004993	855170	BI#71 Rehab Existing Manhole	\$11,825.00	N/A		
Additive Alternate A - BI#76	Name: <u>Miramar General Engineering</u> Address: <u>1827 Cleveland Ave</u> City: <u>National City</u> State: <u>CA</u> Zip: <u>91950</u> Phone: <u>619-434-5900</u> Email: <u>alex@miramargeneral.com</u>	Constructor	1000033057	1009541	BI#76 Asphalt Pavement Repair	\$\$800.00	ELBE	City	

- 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

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

*** FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES ***

(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Additive Alternate A - BI#60, 66 & 67	Name: <u>Piperin Corporation</u> Address: <u>510 Venture Street</u> City: <u>Escondido</u> State: <u>CA</u> Zip: <u>92029</u> Phone: <u>760-305-7248</u> Email: <u>craig@piperincorp.com</u>	Contractor	100000485	964028	BI#60 Manhole BI#66-67 Point Repair & Addl Point Repair	\$24,000.00	SLBE	City	
	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

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
Burtech Pipeline, Incorporated			
Street Address	City	State	Zip
102 Second Street	Encinitas	California	92024
Contact Person, Title		Phone	Fax
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.

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

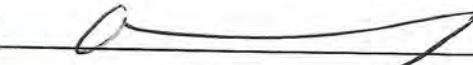
Name	Title/Position
Julie Burtech	Exec. VP & Secretary
City and State of Residence	Employer (if different than Bidder/Proposer)
Encinitas, California	
Interest in the transaction	
49%	

*** 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

Print Name, Title



Signature

11/19/2020

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

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 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:

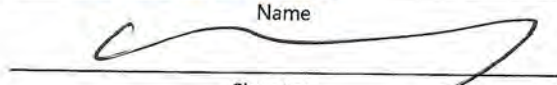
- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have 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

 Signature

Date 11/19/2020

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

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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

Names of the Principal individual owner(s)

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

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

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
McGrath Consulting, Inc.	
Michael McGrath	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

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

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Loveless Linton, Inc.	
Brandon Linton	President
Rebekah Loveless	Vice President

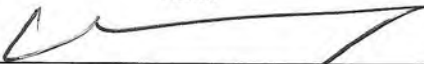
SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
NuLine Technologies LLC	
Frank Durazo	Partner

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name



Signature

Date 11/19/2020

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

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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

Names of the Principal individual owner(s)

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
Zebbron Contracting, Inc. Roger Decker	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Sancon Technologies, Inc. Chuck Parsons Gary Drew	President Vice President

SUBCONTRACTOR SUPPLIER MANUFACTURER

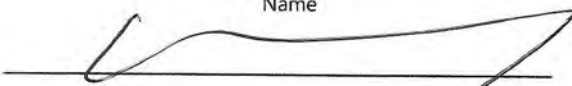
NAME	TITLE
Miramar General Engineering Alex (Ala Mohammad) Karaja	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
REC Trucking Inc. Rafael Teran	President/Owner

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name _____

 Signature _____ Date 11/19/2020

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

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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

Names of the Principal individual owner(s)

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
Payco Specialties, Inc. Rebecca L Lewelyn	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Piperin Corporation Craig Barry	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



Signature

Date 11/19/2020

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



Serving San Diego County's Pipeline Needs for Over 16 Years



Our Mission:

Our goal is to create total customer satisfaction to ensure long term success for our employees, our company and the work we represent through continued improvement in our commitment to excellence, integrity and team work.

We strive to implement a long term relationship with our customers based on safety, quality of work, timely service and anticipation of their needs.

We take pride in completing jobs in a timely and efficient manner with the utmost integrity.

We continuously strive to have strength, courage, compassion and to be a leader. We endeavor to have the will to be all we can be to our customers, our peers and ourselves; to be proud of the service and quality of work we provide for our customers; to be proud of whom we are, the team, "Burtech Pipeline."

102 Second St., Encinitas, Ca 92024

Phone: (760) 634-2822

Fax: (760) 634-2415

Class A Contracting License; #718202

www.burtechpipeline.com



BURTECH PIPELINE, INC.

Burtech Pipeline Incorporated is a Privately-held California Corporation founded in 1995 by Dominic and Julie Burtech. Dominic Burtech, President and Chief Executive Officer, has over twenty-five years of experience in all phases of underground construction. Through years of dedication and hard work, he has turned this company into a competitive general contractor that continues to thrive today.



At Burtech Pipeline, we accomplish our jobs through teamwork. Our teamwork relies upon our communication as well as the hard work that each individual puts in to their specific assignment so that when combined our jobs are completed accurately, on time and within budget. Our superintendent has over thirty-four years of experience in



both the private and public sectors of underground construction. Along with our Chief Estimator and Project Manager, Burtech Pipeline has completed over 150 public and private projects in the last 5 years within the greater county of San Diego.



BURTECH PIPELINE, INC.

Burtech Pipeline is experienced in both private and public civil engineering projects. Our main areas of focus include the following:

- Sewer Main Installation / Replacement
- Water Main Installation / Replacement
- Storm Drain Installation / Replacement
- Sewer Rehabilitation
- Sewer Lateral Rehab
- Sewer Ejector Pumps Installation
- Storm Drain Detention Systems Installation
- Fire Water Service Lines Installation



Past and Present Clients Include:

- City of San Diego
- County of San Diego
- Shea Homes
- Brookfield Homes
- Helix Water District
- Olivenhain Municipal Water District



BURTECH PIPELINE, INC.

We are proud of and stand by our mission statement:

“Our goal is to create total customer satisfaction to ensure long term success for our employees, our company and the work we represent through continued improvement in our commitment to excellence, integrity and team work.

We strive to implement a long term relationship with our customers based on safety, quality of work, timely service and anticipation of their needs.

We take pride in completing jobs in a timely and efficient manner with the utmost integrity.

We continuously strive to have strength, courage, compassion and to be a leader. We endeavor to have the will to be all we can be to our customers, our peers and ourselves; to be proud of the service and quality of work we provide for our customers; to be proud of whom we are, the team, “Burtech Pipeline.”

The team here at Burtech Pipeline is confident that we can complete any of your underground project needs and look forward to doing business with you in the future!





BURTECH PIPELINE INC.
 102 2nd Street,
 Encinitas, CA 92024

MAIN & LATERAL LINING PROJECT REFERENCES

Job Name	Owner	Contact	Contract Amount	Footage Lined	Date Completed
Pipeline Rehabilitation AC-1 Skyline Dr. & S. Lausanne Dr (8" Sewer Main Rehabilitation)	City of San Diego 9573 Chesapeake Drive, San Diego, CA 92123	Lan Nguyen (619) 980-2824	\$ 3,610,664.43	40,108	3/7/2019
Pipeline Rehabilitation Z-1 Skyline-Paradise Hills/Encanto Neighb. (8" Sewer Main Rehabilitation)	City of San Diego 9573 Chesapeake Drive, San Diego, CA 92123	Dave Engel (619) 549-5451	\$ 1,249,268.43	13,504	12/15/2017
Pipeline Rehab F-2 (Laterals) Various Locations City of San Diego (2,086 Ea of Lateral Lining & Hats)	City of San Diego 9573 Chesapeake Drive, San Diego, CA 92123	Ryan Reed (619) 980-1201	\$ 4,321,475.08	2,086	1/1/2017
Sewer & Water Group 799 (6" CIPP Rehabilitation of existing VCP Sewer Mains in the Canyon)	City of San Diego 1200 Third Avenue, Suite 200, San Diego, CA 92101	Ha Nguyen (619) 990-4038	\$ 4,493,956.19	1,236	12/16/2016
2016 Sewer Main CIPP Rehabilitation Yorba Linda (8" Sewer Main Rehabilitation)	Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870	Alex Thomas (714) 701-3115	\$ 248,153.76	3,409	8/31/2016
Pipeline Rehabilitation S-1 (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	City of San Diego 1010 Second Ave. Ste. 1400, San Diego, CA 92101	Clem Wassenberg (619) 218-8404 Cwassenberg@sanidiego.gov	\$ 4,036,961.11	60,888	7/6/2016
Pipeline Rehabilitation M-1 (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	City of San Diego 1200 Third Avenue, Suite 200, San Diego, CA 92101	Reagan Owen (619) 533-5205 Rowen@sanidiego.gov	\$ 2,794,787.28	38,922	6/30/2016
Backbay Drive Storm Drain Rehab (CIPP Lining of approx. 1948 Lf of exist. SD between 12" to 42" Dia.)	City of New Port Beach PWD, 100 Civic Center Drive, Bay D, 2F New Port Beach, CA 92660	Peter Tauscher (949) 644-3316 ptauscher@newportbeachca.gov	\$ 409,378.88	1,948	5/6/2016
Sewer Group Job 833 (CIPP Lining of approx. 3857 Lf of 6", 8" and 10" Caly Sewer Mains)	City of San Diego 1010 Second Ave. Ste. 1400, San Diego, CA 92101	Ramin Hatam (858) 495-7845 Rhatam@sanidiego.gov	\$ 444,591.30	3,857	4/20/2016
Pipeline Rehabilitation W-1 (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	City of San Diego 1010 Second Ave. Ste. 1400, San Diego, CA 92101	Scott Reilly (760) 310-9816 sreilly@rbrady.net	\$ 2,168,505.55	31,174	2/5/2016
Batiquitos Force Mains, B1 & B2 (CIPP Lining of 383 Lf of 21" Trunk Sewer under railroad crossings)	Leucadia Wastewater District 1960 La Costa Avenue, Carlsbad, CA 92009	Robin Morishita (760) 753-0155 rmorishita@lwwd.org	\$ 4,686,123.45	383	11/16/2015
Pipeline Rehabilitation X-1 (8"-15" Sewer Main CIPP Rehab and 4" Sewer Lateral Lining)	City of San Diego 1010 Second Ave. Ste. 1400, San Diego, CA 92101	Neda Shahrara (619) 665-7447 NShahrara@sanidiego.gov	\$ 530,507.38	4,151	11/11/2015
Harbor Drive Trunk Sewer (CIPP Lining of approx. 1550 Lf of exist. 48" Sewer Trunk)	City of San Diego 1010 Second Ave. Ste. 1400, San Diego, CA 92101	Bijan Shakiba (619) 533-5191 Bshakiba@sanidiego.gov	\$ 8,814,751.07	1,550	8/4/2015
2014 Sewer PL & SD Repairs (CIPP Lining 263' of 18" SD and about 3104' of 6"/8" Sewer Mains)	City of Solana Beach 635 S. Highway 101, Solana Beach, CA 92075	Taryn Kjolsing, P.E. (858) 720-2487 tkjolsing@cosb.org	\$ 491,702.50	3,367	3/31/2015
Sewer Rehab Project No. 9 (CIPP Lining of exist. 8" and 10" VCP Sewer Mains)	LA County Department of Public Works 900 S Fremont Avenue, Los Angeles, CA 91803	Jose Pou (626) 458-2191 Jpou@dpw.lacounty.gov	\$ 244,087.60	9,250	10/24/2014
Pipeline Rehabilitation N-1 (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	City of San Diego 1200 Third Avenue, Suite 200, San Diego, CA 92101	Maryam Liaghat (619) 533-4641 Mliaghat@sanidiego.gov	\$ 5,907,193.15	74,424	3/4/2014
Emergency Sewer Rehabilitation on Third Avenue (8" Sewer Main Rehabilitation)	City of Chula Vista 1800 Maxwell Road, Chula Vista, CA 91910	Boushra Salem (619) 691-5040	\$ 93,015.00	660	3/31/2013
SW260/SW268 Sewer Rehabilitation (8" Sewer Main Rehabilitation)	City of Chula Vista 1800 Maxwell Road, Chula Vista, CA 91910	Joselito Castillo (619) 719-8161	\$ 632,591.87	5,370	9/26/2012
Pipeline Lateral Rehab Phase C-2 Lake Murray Area	City of San Diego 1200 Third Avenue, Suite 200, San Diego, CA 92101	Bill Swallow (858) 495-7879	\$ 795,341.00	6,600	5/29/2009
Pipeline Lateral Rehab Phase C-3 Lake Murray Area	City of San Diego 1200 Third Avenue, Suite 200, San Diego, CA 92101	Bill Swallow (858) 495-7879	\$ 504,436.24	4,080	5/29/2009

TOTAL FOOTAGE 308150



DTA Trenchless Supplies

3124 E Isaiah Ave.

Gilbert, AZ 85298

www.dtatrenchlessupplies.com

LINER INSTALLATION LICENSE

Date: October 31, 2019

This is to certify that Burtech Pipeline, Inc, is a licensed CIPP installer of Easy Liner. DTA Trenchless Supplies is a subsidiary of Easy Liner and has over 30 years experience of liner manufacturing. Easy Liners are manufactured in accordance with the specifications of DTA Trenchless Supplies and comply with the requirements of ASTM F1216. Easy Liners are comprised of Felt and coated components from Applied Felts, Non-Woven Solutions, and Haartz Materials. Additionally, the liner utilizes a resin from AOC or interplastic with a catalyst system from Akzo Nobel.

A handwritten signature in black ink, appearing to read "Missy Grady", is written over a horizontal line. The signature is fluid and cursive.

Missy Grady, CFO

April 1, 2006

To Whom It May Concern

This is to certify that Burtech Pipeline, Inc. is a certified trained and licensed installer of CIPP (Cured In Place Pipe) lining materials and process that conform to ASTM F-1216 and ASTM F-1743. Pipe Lining Supply Corporation is a manufacturer and wholesale distributor of CIPP lining and AIPPR coating process that has been in business since 2003. Pipe Lining Supply materials meet all industry standards and the methods of installation conforming to those standards. Burtech Pipeline, Inc. has been trained in the CIPP process including the CIPP standards as well as the California Greenbook standards using materials manufactured specifically for this process.



John M. Heisler
V. President

*YOUR CURED IN PLACE PIPE (CIPP) &
APPLIED IN PLACE PIPE REHABILITATION (AIPPR) SUPPLIER*

SANCON TECHNOLOGIES, INC.

GENERAL ENGINEERING CONTRACTOR
STATE CONTRACTORS LICENSE #774055

Tel: (714) 891-2323
Fax: (714) 891-2524

4/25/2019

TO: Whom It May Concern

This is to certify that Sancon Technologies, Inc is the manufacturer / owner of Sancon 100 polyurethane protective coating and that Sancon Technologies, Inc. is a licensed applicator of the Sancon 100 polyurethane protective coating process.

All Sancon Technologies, Inc. applicators have been fully trained, have completed our certified applicator course, and all have a minimum of 5 years experience in the application of Sancon 100 polyurethane protective coating. Additionally, installation personnel are adequately trained in the maintenance and operation of the required installation equipment.

Sancon Technologies, Inc. has been in service since 1980 and certifies that all employees are cognizant and have sufficient ability to comply with all Federal and State OSHA regulations regarding Confined Space Entry.

Sincerely
SANCON TECHNOLOGIES, INC.

A handwritten signature in blue ink, appearing to read 'C. S. Parsons', written in a cursive style.

Chuck Parsons
President

SANCON 100 REFERENCES

1. Costa Mesa Sanitary District
Steve Cano
234 East 17th Street, Suite 205
Costa Mesa, CA 92627
Phone: (949) 645-8400
Rehabilitate (27) Manholes and (3) Wet Wells using Sancon 100

2. Coachella Valley Water District
Juan Martinez
51501 Tyler St
Coachella, CA 92236
Phone: 760-398-2651 ext 3629
Rehabilitate (1) 9' Diameter by 25' Deep Lift Station with using Sancon 100

3. South Coast Water District
Joe McDivitt
31592 West Street
Laguna Beach, CA 92651
Phone: 949-499-4555
Rehab (22) Manholes Avg. 10' deep in Capistrano/Dana Point using Sancon 100

4. City of Port Hueneme
Brian Fomenko
250 N. Ventura Rd
Port Hueneme, CA 93041
Phone: 805-986-6556
Rehab (7) Manholes & (1) Wet Well using Sancon 100
Clara Lift Station Rehab using Sancon 100

5. City of Santa Maria
Russ Newman
810 W Church St
Santa Maria, CA 93458
Phone: 805-925-0951
Rehabilitate (22) Manholes using Sancon 100



Statement of Qualifications

Nu-Line Technologies, LLC has been successfully protecting infrastructure utilities since January of 2015. Nu-Line Technologies, LLC was introduced to the local wastewater and storm water infrastructure with the City of San Diego in 2015. Prior to our name change in January of 2015, we successfully completed infrastructure projects with the City of San Diego and other local agencies as Burtech Pipeline Inc. since 2007. With a new focus on infrastructure rehabilitation in our immediate San Diego Market, Nu-Line Technologies, LLC was launched to focus strictly on infrastructure rehabilitation methodologies with the advancement of mainline Cured In Place lining as well as service lateral connections (UV Curing) and lateral lining rehabilitation.

Installation Experience

Our installation crews have a minimum 10 years of experience in the Cured in Place field and have successfully completed projects throughout the western United States. Our Field Superintendent, Jorge Beltran has overseen and completed smaller to large scale projects throughout the western region since 1999. We are a fully licensed and bonded General Engineering Contractor and have completed many projects as Nu-Line Technologies, LLC similar in size and scale.

Industry Qualifications

- Licensed by the State of California Lic#997520
- City of Los Angeles/Greenbook Approved materials for Cured In Place and Service Lateral Connections
- Confined Space Certified, First aid and CPR certified.

Nu-Line Technologies, LLC. and its employees are fully cognizant and comply with all Federal and State OSHA regulations regarding confined space entry.

Frank Durazo

A handwritten signature in blue ink, appearing to read "Frank Durazo", is written over the printed name.

Operations Manager – Nu-Line Technologies, LLC.



Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112
Telephone (276) 656-1904 Fax: (276) 656-1909
office@appliedfelts.com

April 3, 2015

To Whom It May Concern:

This letter certifies that Applied Felts manufactured tubes meet the material requirements of ASTM F1216-09 (paragraph 5.1) and ASTM F 1743-08(section 6) as well as meet the minimum strength requirements of ASTM-D5813-04 (paragraph 6.1). All our materials and finished products are tested to ensure suitability to the application. Each liner is typically tested in 28 different ways and traceable test data is available for any particular liner.

Applied Felts has provided polymer coated felt tubes for use in Cured In Place Pipe (CIPP) lining for more than fifteen years, and supplied materials for the CIPP industry for more than twenty years. Over 75 million feet of our liner has been successfully installed in North America. Our liners are assembled in Martinsville, VA, using only components made in the USA.

Applied Felts is a registered ISO 9001:2008 company.
Nu-Line Technologies, LLC is a certified installer of Applied Felts lining products.

Sincerely,

A handwritten signature in black ink that reads "W. Mark Sanders". The signature is written in a cursive, slightly slanted style.

W. Mark Sanders
General Manager



20520 Unico Road
McKenney, VA 23872
804.451.3667
www.FerraTex.com

LINER INSTALLATION LICENSE

Date: January 3, 2015

This is to certify that Nu-Line Technologies, LLC is a licensed CIPP installer of the FerraTex Liner. FerraTex is a subsidiary of Spiniello Companies and has 25 years' experience of liner manufacturing in the United States. FerraTex Liners are manufactured in accordance with the specifications of FerraTex and comply with the requirements of ASTM F1216. FerraTex liners are comprised of Felt and coated felt components from Applied Felts, Non-Woven Solutions, and Haartz Materials. Additionally the liner utilizes a resin from AOC or interplastics with a catalyst system from Akzo Nobel.

Gerhardt Rodenberger
Division Manager, CIPP



By Royal Charter

COPY

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

Applied Felts Inc.
450 College Drive
Martinsville
Virginia
24112
USA

Holds Certificate No:

FM 55735

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

Manufacture of textile products used in pipeline rehabilitation.

For and on behalf of BSI:

Pietro Foschi - Strategic Delivery Director

Originally registered: 08/15/2000

Latest Issue: 03/05/2015

Expiry Date: 05/31/2018



Page: 1 of 1

...making excellence a habit.™



APPLIED FELTS

Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112
Telephone (276) 656-1904 Fax: (276) 656-1909
office@appliedfelts.com



Material Health and Safety Data Sheet

EFFECTIVE DATE: APRIL 26, 2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: POLYURETHANE COATED LINER

SUPPLIER: Applied Felts, Inc
450 College Drive
Martinsville, VA 24112

TELEPHONE: (276) 656-1904

FAX: (276) 656-1909

2. COMPOSITION/INFORMATION ON INGREDIENTS

COATING: Thermoplastic Polyurethane Polymer
SUBSTRATE: Polyethylene Terephthalate Felt

3. HAZARDS IDENTIFICATION

HAZARDS DESIGNATION: Not Classified as a Hazardous Material.
POTENTIAL HEALTH HAZARDS: During decomposition or combustion, the product can cause irritation to eyes, skin, or respiratory tract. As a delayed effect, sensitization to isocyanates may occur.

4. FIRST AID MEASURES

INHALATION: No effects anticipated
INGESTION: No effects anticipated
SKIN: No effects anticipated
EYES: No effects anticipated



APPLIED FELTS

Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112
 Telephone (276) 656-1904 Fax: (276) 656-1909
 office@appliedfelts.com



5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water, Foam, Dry Chemical
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Dioxide (CO ²), Carbon Monoxide (CO), Hydrogen Cyanide (HCN), Oxides of Nitrogen, Hydrocarbons and Diisocyanate
SPECIAL PROTECTIVE EQUIPMENT:	Positive pressure self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP METHODS:	N/A
--------------------------------	-----

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	N/A
STORAGE PRECAUTIONS:	N/A

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT	
VENTILATION:	N/A
RESPIRATORS:	N/A
PROTECTIVE GLOVES:	N/A
EYE PROTECTION:	N/A
GENERAL PROTECTIVE AND HYGIENIC MEASURES:	Standard industry safety and hygiene principles should be exercised

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Polyurethane coated liner
COLOR:	White
ODOR:	Faint
MELT POINT – FELT	260° C
MELT POINT – COATING	> 177° C
DENSITY – FELT	150 – 200 Kg/m ³
DENSITY – COATING	1100 – 1300 Kg/m ³
FLAMMABILITY	N/A



APPLIED FELTS

Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112
Telephone (276) 656-1904 Fax: (276) 656-1909
office@appliedfelts.com



10. STABILITY AND REACTIVITY

STABILITY:	Normally Stable
CONDITIONS/MATERIALS TO BE AVOIDED:	Excessive heat, Organic solvents
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Dioxide (CO ²), Carbon Monoxide (CO), Hydrogen Cyanide (HCN), Oxides of Nitrogen, Hydrocarbons and Diisocyanate, are all anticipated at levels above trace
FIRE CREATES:	

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS:	No health risk at ambient temperatures. Elevated temperatures may cause this product to emit irritating vapors
-------------------------	---

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:	Not biologically degradable. Bioaccumulation improbable Generally not hazardous to water
-------------------------------	--

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of waste by incineration or in landfill in accordance with local regulations
--------------------------	--

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS CARGO

15. REGULATORY INFORMATION

DESIGNATION ACCORDING TO EUROPEAN COMMISSION GUIDELINES:	No known regulations related to this product. Observe the local safety regulations for handling chemicals.
---	---



APPLIED FELTS

Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112
Telephone (276) 656-1904 Fax: (276) 656-1909
office@appliedfelts.com



16. OTHER INFORMATION

This data is based on our present knowledge. However, they shall not be constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

NFPA® HAZARD RATING

HEALTH:	1	Slight
FIRE:	1	Slight
REACTIVITY	0	Minimal

HMIS® HAZARD RATING

HEALTH:	1	Slight
FIRE:	1	Slight
PHYSICAL:	0	Minimal

SUPERSEDES MSDS DATED: JUNE 4, 2008

Product Information

Vipel® Isophthalic Based Resin for Underground Sewer Pipe Liners

TYPICAL LIQUID RESIN PROPERTIES*(1) Vipel® L704-NET-11 see back page

	Nominal
Viscosity @ 77°F/25°C, RVF Brookfield Spindle #4 @ 20 RPM, cps.	5,600
Thix Index 2/20	4.3
Color	Opaque
Specific Gravity @ 77°F/25°C	1.11
Non-Volatiles, %	62
Gel Time @ 140°F with (1.0% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and 0.5% Trigonox® KSM), minutes	11
Pot Life @ 77°F/25°C (1% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and + 0.5% Trigonox® KSM), hours	40

Trigonox is a trademark of Akzo Nobel Chemicals

TYPICAL CAST MECHANICAL PROPERTIES* (2) see back page

		Test Method
Tensile Strength, psi/MPa	13,500/93.1	ASTM D 638
Tensile Modulus, psi/GPa	600,000/4.1	ASTM D 638
Tensile Elongation, %	3.0	ASTM D 638
Flexural Strength, psi/MPa	23,300/161	ASTM D 790
Flexural Modulus, psi/GPa	630,000/4.3	ASTM D 790
Heat Distortion Temperature, °F/°C @ 264 psi	212/100	ASTM D 648
Barcol Hardness	40	ASTM D 2583

*Typical properties are not to be construed as specifications.



DESCRIPTION

The Vipel® L704-NET-11 is a high molecular weight isophthalic/unsaturated polyester resin. Vipel® L704-NET-11 Series provides the corrosion resistance, durability and toughness that is required for cured in place pipe applications. Refer to the AOC Corrosion Resistant Resin Guide for corrosion resistance information listed under Vipel® F701.

FEATURES

- Excellent catalyzed pot life
- Superior mechanical properties
- High molecular weight
- High viscosity version

BENEFITS

Adaptability

AOC's Vipel® L704-NET-11 molecular architecture provides an excellent balance of corrosion and physical properties.

Vipel® L704-NET-11 Polyester Resin

PERFORMANCE GUIDELINES

A. Keep full strength catalyst levels between 1.0% - 3.0% of the total resin weight.

B. Maintaining shop temperatures between 65°F/ 18°C and 90°F/32°C and humidity between 40% and 90% will help the fabricator make a high quality part. Consistent shop conditions contribute to consistent gel times.

STORAGE STABILITY

Resins are stable for three months from date of production when stored in the original containers away from sunlight at no more than 77°F/25°C. After extended storage, some drift may occur in gel time.

During the hot summer months, no more than two months stability at 86°F/30°C should be anticipated.

SAFETY

See appropriate Material Safety Data Sheet for guidelines.

ISO 9001:2000 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2000 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers.

FOOTNOTES

(1)

The pot life times shown are typical but may be affected by catalyst, promoter and inhibitor concentrations in resin, and environmental temperature. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and fillers can retard or accelerate gelation. It is recommended that the fabricator check the gelling characteristics of a small quantity of resin under actual operating conditions prior to use.

(2)

Based on tests on Vipel™ L704-NET-11 pipe at 77°F/25° and 50% relative humidity. Castings were prepared using 1.0% Perkadox 16 and 0.5 Trigonox C.

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production.

Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.



950 HIGHWAY 57 EAST
COLLIERVILLE, TN 38017
www.aoc-resins.com

NORTH AMERICA
Tel: 001(901) 854-2800
Fax: 001 (901) 854-7277
sales@aoc-resins.com

**ASIA, MIDDLE EAST
& LATIN AMERICA**
Tel: 001 (863) 815-5016
Fax: 001 (863) 815-4733
international@aoc-resins.com

EUROPE
Tel: (44) 1473 288997
Fax: (44) 1473 216080
europe@aoc-resins.com






**ASTM F1216 TEST RESULTS ON L704 SERIES
ONE MONTH RESULTS AT 77°F**

	L704 (Isophthalic)	REQUIREMENTS %	PASS OR FAIL
CONTROL SAMPLE			
FLEXURAL STRENGTH, psi	9,544		
STANDARD DEVIATION	252		
FLEXURAL MODULUS, psi	564,989		
STANDARD DEVIATION	15,329		
TAP WATER			
FLEXURAL STRENGTH, psi	10,915		
STANDARD DEVIATION	432		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	563,496		
STANDARD DEVIATION	10,993		
% FLEXURAL MODULUS RETENTION	100	>80	PASS
5% NITRIC ACID			
FLEXURAL STRENGTH, psi	10,672		
STANDARD DEVIATION	894		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	528,173		
STANDARD DEVIATION	13,842		
% FLEXURAL MODULUS RETENTION	100	>80	PASS
10% PHOSPHORIC ACID			
FLEXURAL STRENGTH, psi	10,301		
STANDARD DEVIATION	1,439		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	552,544		
STANDARD DEVIATION	9,333		
% FLEXURAL MODULUS RETENTION	98	>80	PASS
10% SULFURIC ACID			
FLEXURAL STRENGTH, psi	12,438		
STANDARD DEVIATION	620		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	545,889		
STANDARD DEVIATION	6,319		
% FLEXURAL MODULUS RETENTION	97	>80	PASS
AMOCO GASOLINE			
FLEXURAL STRENGTH, psi	9,209		
STANDARD DEVIATION	1278		
% FLEXURAL STRENGTH, psi RETENTION	97	>80	PASS
FLEXURAL MODULUS, psi	567,531		
STANDARD DEVIATION	4,611		
% FLEXURAL MODULUS RETENTION	100	>80	PASS

VEGETABLE OIL			
FLEXURAL STRENGTH, psi	11,809		
STANDARD DEVIATION	2,484		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	549,755		
STANDARD DEVIATION	27,235		
% FLEXUARAL MODULUS RETENTION	97	>80	PASS
0.1% DETERGENT			
FLEXURAL STRENGTH, psi	8,073		
STANDARD DEVIATION	1,732		
% FLEXURAL STRENGTH, psi RETENTION	85	>80	PASS
FLEXURAL MODULUS, psi	511,284		
STANDARD DEVIATION	15,837		
% FLEXUARAL MODULUS RETENTION	91	>80	PASS
0.1% SOAP			
FLEXURAL STRENGTH, psi	11,756		
STANDARD DEVIATION	325		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	PASS
FLEXURAL MODULUS, psi	549,192		
STANDARD DEVIATION	11,869		
% FLEXURAL MODULUS RETENTION	97	>80	PASS

August 1, 1999

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing any application before committing to production. Our recommendation should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.

<p>WHMIS (Canada)</p>  <p>B-2 D-2A D-2B</p>	<p>NFPA (USA)</p> <p>Fire: 3, Health: 2, Reactivity: 2</p>  <p>Specific hazard</p>	<p>HMIS (USA)</p> <table border="1"> <tr> <td>Health hazards</td> <td>* 2</td> </tr> <tr> <td>Flammability</td> <td>3</td> </tr> <tr> <td>Physical hazards</td> <td>2</td> </tr> <tr> <td>Personal protection</td> <td>X</td> </tr> </table>	Health hazards	* 2	Flammability	3	Physical hazards	2	Personal protection	X	<p>Protective clothing</p> 
Health hazards	* 2										
Flammability	3										
Physical hazards	2										
Personal protection	X										

Section 1. Chemical product and company identification

Trade name	L704-NET-11	
Product type	Polyester Resin Solution	
Chemical family	Aromatic.	
Material uses	Used in the manufacture of thermoset plastic parts.	
Manufacturer	AOC, LLC 950 Highway 57 East Collierville, TN U.S.A. 38017 Website: www.aoc-resins.com Phone Number: (901) 854-2800 8am-5pm (Central Time) Mon-Fri	<p>In case of emergency</p> <p>CHEMTREC (US): 24 hours/7 days (800) 424-9300 CANUTEC (Canada): 24 hours/7 days (613) 996-6666</p>

Section 2. Hazards identification

OSHA status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Routes of entry	Eye contact, Skin contact, Inhalation, Ingestion
Potential acute health effects	<p>Eyes: Severe eye irritant which may result in redness, burning, tearing and blurred vision.</p> <p>Skin: Skin irritant which may result in burning sensation. Repeated or prolonged skin contact may cause dermatitis.</p> <p>Ingestion: Ingestion may result in mouth, throat and gastrointestinal irritation, nausea, vomiting and diarrhea.</p> <p>Inhalation: Inhalation of spray mist or liquid vapors may cause upper respiratory irritation and possible central nervous system effects including headaches, nausea, vomiting, dizziness, drowsiness, loss of coordination, impaired judgement and general weakness.</p>
Potential chronic health effects	<p>CARCINOGENIC EFFECTS: Styrene: Classified A4 (not classifiable for human or animal) by ACGIH. Classified 2B (possible for human) by IARC. An increased incidence of lung tumors was observed in mice from a recent inhalation study. The relevance of this finding is uncertain since data from other long-term animal studies and from epidemiology studies of workers exposed to styrene do not provide a basis to conclude that styrene is carcinogenic to humans. Lung effects have been observed in mouse studies following repeated exposure.</p> <p>Silica, Amorphous: Classified 3 (not classifiable for human) by IARC.</p> <p>MUTAGENIC or TERATOGENIC EFFECTS: No known effect according to our database.</p>

Section 3. Composition/information on ingredients

Name	CAS #	% by weight
1) Styrene	100-42-5	40.7
2) Silica, Amorphous	7631-86-9	1 - 5

Section 4. First aid measures

Eye contact	Flush with a continuous flow of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Use of buffered baby shampoo will aid in removal. Seek medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Move the victim to a safe area as soon as possible. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Seek immediate medical attention.

Section 5. Fire-fighting measures

The product is:	Flammable liquid, Class IC.
Auto-ignition temperature	914°F(490°C) Styrene
Flash point	87.6°F (31°C) Styrene
Flammable limits	Lower: 0.9% Upper: 6.8% (Styrene)
Products of combustion	May produce carbon monoxide, carbon dioxide, and irritating or toxic vapors, gases or particulate.
Fire hazard	Flammable in the presence of open flames, sparks, or heat.
Explosion hazard	Can react with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. Material may polymerize when container is exposed to heat (fire) and polymerization will increase pressure in a closed container which may cause the container to rupture violently.
Fire-fighting media and instructions	SMALL FIRE: Use carbon dioxide, foam, dry chemical or water fog to extinguish. LARGE FIRE: Evacuate surrounding areas. Use carbon dioxide, foam, dry chemical or water fog to extinguish. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Prevent run off to sewers or other water ways.

Section 6. Accidental release measures

Small spill	Absorb with an inert material and place in an appropriate waste disposal container.
Large spill	Stop leak if without risk. Eliminate all ignition sources. Contain with an inert material, recover as much as possible and place the remainder in an appropriate waste disposal container. Warn unauthorized personnel to move away. Prevent entry into sewers or confined areas.

Section 7. Handling and storage

Handling	WARNING! Use only in well-ventilated areas. Store away from direct sunlight. Avoid inhalation and contact with eyes, skin, and clothing. Wear appropriate personal protective equipment for your task. Ground and bond all containers when transferring the material. Empty containers may retain product and product vapor. Do not expose to heat, flame, sparks or other ignition sources such as cutting, welding, drilling, grinding or static electricity. Do not pressurize. Provide adequate safety showers and eyewashes in the area of use. Note: If product contains metal compounds (Section III), avoid dust from dried product or grinding of articles made from this material.
Storage	Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Containers should be grounded.

Section 8. Exposure controls/personal protection

Exposure limits	Styrene	<p>ACGIH TLV (United States, 2/2010). Absorbed through skin. TWA: 20 ppm 8 hour(s). TWA: 85 mg/m³ 8 hour(s). STEL: 40 ppm 15 minute(s). STEL: 170 mg/m³ 15 minute(s).</p> <p>OSHA PEL Z2 (United States, 11/2006). TWA: 100 ppm 8 hour(s). CEIL: 200 ppm AMP: 600 ppm 5 minute(s).</p> <p>NIOSH REL (United States, 6/2009). TWA: 50 ppm 10 hour(s). TWA: 215 mg/m³ 10 hour(s). STEL: 100 ppm 15 minute(s). STEL: 425 mg/m³ 15 minute(s).</p> <p>NIOSH REL (United States, 6/2009). TWA: 6 mg/m³ 10 hour(s).</p> <p>While the federal workplace exposure limit for styrene is 100 ppm, OSHA accepted the styrene industry's proposal to voluntarily meet a PEL of 50 ppm on an 8 hours TWA.</p>
	Silica, Amorphous	
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Provide adequate safety showers and eyewashes in the area of use.	
Personal protection	<p>Personal protective equipment may vary depending on the job being performed.</p> <p>Eye/face: Wear eye protection such as safety glasses with side shields, splash goggles or face shield with safety glasses.</p> <p>Skin: Avoid skin contact. Impervious gloves should be worn. Other items may include long sleeves, lab coats, or impervious jackets.</p> <p>Respiratory: Determine if airborne concentrations are below the recommended exposure limits in accordance your company's PPE program and regulatory requirements. If they are not, select a NIOSH-approved respirator that provides adequate protection from the concentration levels encountered. Air-purifying respirators are generally adequate for organic vapors. Use positive pressure, supplied-air respirators if there is potential for an uncontrolled release, if exposure levels are unknown, or under circumstances where air-purifying respirators may not provide adequate protection. Reference OSHA 29 CFR 1910.134.</p>	
Personal protection in case of a large spill	Chemical resistant gloves, full protective suit, and boots. Respiratory protection in accordance with OSHA regulation 29 CFR 1910.134. A self-contained breathing apparatus should be used to avoid inhalation of the product vapors.	

Section 9. Physical and chemical properties

Physical state	Liquid.
Color	Clear to Amber.
Odor	Aromatic.
Molecular weight (g/mol)	1000 to 15000
Boiling point	293°F(145°C) Styrene
Melting point	Not available.
pH (1% soln/water)	Not applicable.
Vapor pressure	4.5 mm Hg@ 68°F (20°C) Styrene
Vapor density	3.59 Styrene (Air = 1)
Specific gravity	1.1 (Water = 1)
Water/oil dist. coeff.	Not available.
Evaporation rate	Not available.

Section 9. Physical and chemical properties

Odor threshold	0.14 ppm Styrene
Solubility in water	Slight.
Dispersibility properties	Not dispersed in water.

Section 10. Stability and reactivity

Stability	This product is normally stable, but can become unstable at elevated temperatures and undergo polymerization, which could produce heat and fumes resulting in over-pressurization and rupture in a closed container.
Instability temperature	>170°F (77°C)
Conditions of instability	Heat.
Incompatibility with various substances	Polymerizes in the presence of organic peroxides, oxidizing materials, or heat.
Corrosivity	Our database contains no additional remark on the corrosivity of this product

Section 11. Toxicological information

Toxicity to animals	Name	Result	Species	Dose	Exposure
	Styrene	LD50 Oral	Rat	2650 mg/kg	-
		LC50 Inhalation Vapor	Rat	5634.2 ppm	4 hours
Special remarks on toxicity to animals	Lung effects have been observed in mouse studies following repeated exposure.				
Special remarks on chronic effects on humans	No additional remark.				
Special remarks on other toxic effects on humans	No additional remark.				


Section 12. Ecological information

Ecotoxicity	Toxic to aquatic organisms. Should not be released to sewage system or other bodies of water at concentrations above limits established in regulations or permits.
--------------------	--

Section 13. Disposal considerations

Waste disposal	Recycle to process, if possible. Consult your local or regional authorities. Ignitable characteristic.
-----------------------	--

Section 14. Transport information

DOT	UN1866; Resin Solution; 3; III.	Labels 
TDG	UN1866; Resin Solution; 3; III.	
IATA/IMDG	UN1866; Resin Solution; 3; III	
Additional information	US regulations require the reporting of spills when the amount exceeds the Reportable Quantity (RQ) for specific components of this material. See CERCLA in Section 15, Regulatory Information, for the Reportable Quantities.	

Section 14. Transport information**Section 15. Regulatory information****Other regulations**

This section does not reference all applicable regulatory compliance lists.

TSCA: All ingredients are listed or compliant with TSCA.

DSL: All ingredients are listed or compliant with the NSNR.

Proposition 65 Warning: This product contains a chemical(s) known to the State of California to cause cancer, birth defects and/or reproductive harm.

SARA 302 component(s): None.

SARA 313 component(s): Styrene.

CERCLA(RQ): Styrene - 1000 lbs. (453.6 kg)

Section 16. Other information**Prepared by**

AOC, LLC - Corporate Regulatory Affairs.

CA; FL; ON

LEGAL DISCLAIMER

The information contained in this data sheet is furnished in good faith and without warranty, representation, or inducement or license of any kind, except that it is accurate to the best of AOC, LLC's knowledge, or was obtained from sources believed by AOC, LLC to be reliable. The accuracy, adequacy or completeness of health and safety precautions set forth herein cannot be guaranteed, and the buyer is solely responsible for ensuring that the product is used, handled, stored, and disposed of safely and in compliance with applicable federal, state or provincial, and local laws. AOC, LLC disclaims liability for any loss, damage or personal injury that arises from, or is in any way related to, use of the information contained in this data sheet.

CLIENT: AOC
950 Hwy 57 East
Collierville, TN 38017
Attn: Bruce Curry

Re: PO 5061

MATERIAL: One set of fifty rectangular coupons made with 6mm felt impregnated with Vipel™L704 resin were submitted and identified by the client.

TESTING: Chemical Resistance testing per ASTM D5813-95, paragraphs 6.4.1 and 8.2.1 was conducted. Coupons were exposed in accordance with ASTM D543-95 in the solutions shown in the table below at room temperature for a one-year immersion period. Flexural properties testing as described below will be conducted at the conclusion of the immersion period.

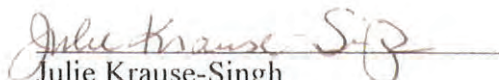
Chemical Solution	Concentration, %
Nitric acid	1
Sulfuric acid	5
ASTM Fuel C	100
Vegetable oil	100
Detergent	0.1
Soap	0.1

One set of Control coupons was tested for initial flexural properties as reported in Hauser Laboratories Test Report No. M00248A on August 31, 1999. A second set of Control coupons was exposed for one year at 50% Relative Humidity, and 23°C. These coupons were tested on August 9, 2000 along with the exposed coupons. All testing was conducted in accordance with ASTM D790-98, Procedure A using a span-to-depth ratio of 16:1.

RESULTS: The results are summarized in Table 1 and presented in detail in Table 2. All values exceeded the ASTM D5813 requirements of at least 80% retention of flexural modulus after one-year immersion in all solutions.

TESTING SUPERVISED BY:

TESTING CONDUCTED BY:


Julie Krause-Singh
Department Manager


Dale J. Beasley
Technician III

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from Hauser Laboratories. This report may be copied only in its entirety.



TABLE 1
SUMMARY OF CHEMICAL RESISTANCE TEST RESULTS

Solution	Average Retention of Flexural Strength*	Average Retention of Flexural Modulus*
	%	%
Nitric Acid	89	96
Sulfuric Acid	103	95
ASTM Fuel C	145	97
Mineral Oil	112	98
Detergent	118	95
Soap	90	94
ASTM D5813 Requirement		80 minimum

*These calculations were based on the data from the Control sample tested 8/9/00.

TABLE 2
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
Vipel™L704		
Control 8/31/99		
1	4570	736000
2	5300	709000
3	5410	686000
4	4680	682000
5	7600	665000
6	8670	726000
7	8560	681000
Average	6400	698000
Std. Dev.	1820	26300
Control 8/9/00		
1	8530	528000
2	5180	548000
3	7750	548000
4	4520	590000
5	5340	586000
6	4530	556000
Average	5980	559000
Std. Dev.	1730	24200
1% Nitric Acid		
1	5580	528000
2	5650	531000
3	5800	543000
4	4400	527000
5	5080	521000
6	5300	555000
Average	5300	534000
Std. Dev.	510	12700

TABLE 2 CONTINUED
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
5% Sulfuric Acid		
1	5820	530000
2	5220	519000
3	5430	520000
4	5750	545000
5	7550	538000
6	6980	537000
Average	6130	531000
Std. Dev.	930	10300
ASTM Fuel C		
1	10300	521000
2	7640	535000
3	4990	536000
4	8490	574000
5	9080	542000
6	11600	560000
Average	8670	545000
Std. Dev.	2280	19200
Mineral Oil		
1	6680	523000
2	5930	509000
3	7790	582000
4	8610	571000
5	5030	566000
6	6290	548000
Average	6720	550000
Std. Dev.	1290	29000

TABLE 2 CONTINUED
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
Detergent		
1	7320	529000
2	7690	564000
3	4890	514000
4	7480	536000
5	7000	549000
6	7920	507000
Average	7050	533000
Std. Dev.	1100	21600
Soap		
1	5170	508000
2	5410	517000
3	4600	535000
4	5630	526000
5	4330	520000
6	6980	537000
Average	5350	524000
Std. Dev.	940	11100

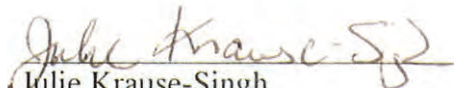
CLIENT: AOC
950 Highway 57 East
Collierville, TN 38017
Attn: Dave Treadwell

MATERIAL: Six each rectangular specimens from two plastic materials identified as felt composites L471 and L704 were submitted by the client. The specimens were each approximately 6 inches x ½ inch x 0.3 inches.

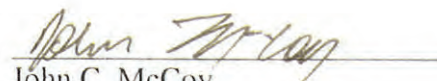
TESTING: Flexural creep testing per ASTM D2990-95 using a three-point static-load configuration with a span to depth ratio of approximately 16:1 and a stress level of 400 psi at 23°C and 50% Relative Humidity.

RESULTS: The results for 10000 hours are presented as both graphical and tabular data of flexural modulus versus time for each group of five specimens tested. Tabular results for sample L471 are presented in Table 1 and tabular results for sample L704 are presented in Table 2

TESTING SUPERVISED BY:


Julie Krause-Singh
Department Manager

TESTING CONDUCTED BY:


John C. McCoy
Technician II

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from Hauser Laboratories. This report may be copied only in its entirety.



TABLE 2
 FLEXURAL CREEP DATA
 SAMPLE L704

TEMPERATURE: 23° C/ 50% RH
 STRESS: 400 psi

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
0.00						
0.02	810900	879100	649100	664400	739500	748600
0.10	810900	879100	649100	655900	729500	744900
0.20	798400	879100	641200	631600	710300	732100
0.50	774600	865200	633400	631600	710300	723000
1.00	774600	851700	618500	601900	666400	702600
2.00	741400	838600	604300	588000	666400	687800
3.43	720800	825900	597500	574800	658300	675500
22.08	632900	707900	547700	522000	580400	598200
68.58	625300	681300	505500	491900	550800	571000
114.2	570300	656700	469400	465100	509200	534200
257.4	503900	524100	381000	409300	461400	455900
456.0	439800	514200	378200	362800	412100	421400
792.8	393200	454200	339200	332200	374900	378700
1414.3	368100	436000	326600	321800	350500	360600
1651.6	360400	425800	320600	315800	339500	352400
1802.0	341400	400800	303900	292300	325200	332700
2011.3	339200	400800	303900	292300	323200	331900
2109.6	337000	400800	302200	290700	321300	330400
2154.9	337000	397900	302200	290700	321300	329800
2322.8	332700	397900	302200	289000	317500	327900
2660.8	332700	397900	300400	289000	315700	327100
2808.1	330600	395000	300400	287400	313800	325400
3002.1	330600	395000	300400	287400	313800	325400
3193.5	328500	386600	292100	285800	312000	321000
3312.6	314500	378500	288900	278000	305000	313000
3547.9	310800	373300	282700	272100	301600	308100
3618.8	309800	372100	282700	272100	301600	307700
3834.1	308900	370800	282700	272100	299900	306900
4003.4	307100	370800	282700	272100	299900	306500
4171.3	305300	370800	282700	270700	298200	305500
4513.7	300000	365800	281200	267900	295000	302000

TABLE 2 CONTINUED
 FLEXURAL CREEP DATA
 SAMPLE L704

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
4676.1	298300	365800	279700	266500	295000	301000
5012.2	298300	363400	278200	265100	295000	300000
5186.1	298300	363400	278200	265100	295000	300000
5392.3	296600	361000	278200	262400	293400	298300
5689.7	296600	361000	276700	262400	293400	298000
5901.7	294900	361000	275300	262400	293400	297400
6021.8	294900	361000	273800	262400	291800	296800
6167.8	291600	361000	273800	259700	290200	295300
6331.0	291600	361000	275300	259700	290200	295500
6719.3	291600	358600	273800	259700	290200	294800
7338.3	283600	349400	268200	254500	281100	287400
7507.1	283600	349400	271000	253300	281100	287700
7866.4	285200	349400	266900	254500	282600	287700
8251.8	285200	347200	266900	253300	281100	286700
8376.1	282100	347200	266900	253300	281100	286100
8512.6	282100	347200	266200	253300	281100	286000
9016.1	279800	345000	266900	252000	278200	284400
9261.1	279000	342800	265500	250800	278200	283300
9324.3	278300	342800	265500	250800	276800	282800
9571.7	278300	342800	265500	249600	276800	282600
9911.3	274600	338600	264200	248400	275400	280200
10025.4	274600	338600	264200	248400	275400	280200

FLEXURAL CREEP DATA SAMPLE L704
AT 400 PSI STRESS

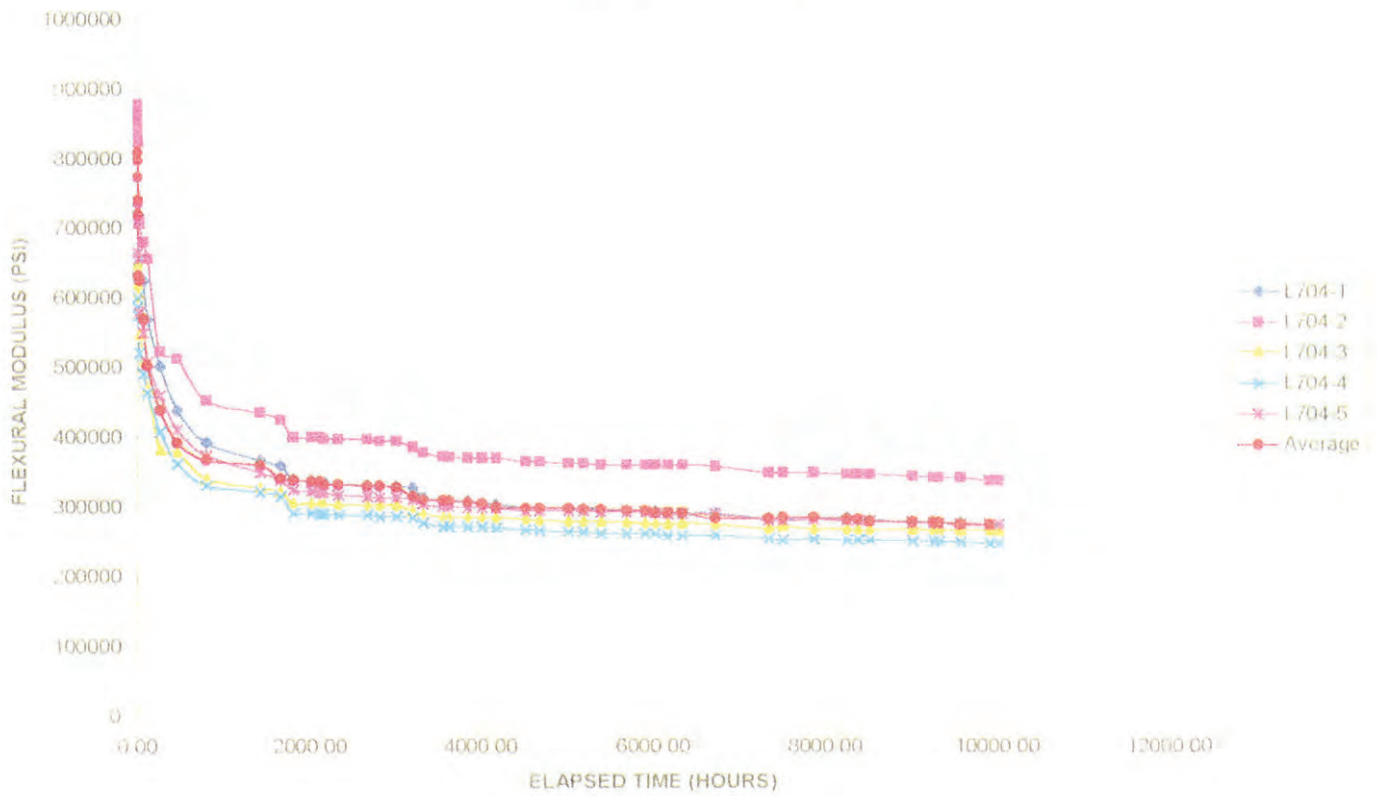


TABLE I
 FLEXURAL CREEP DATA
 SAMPLE L471

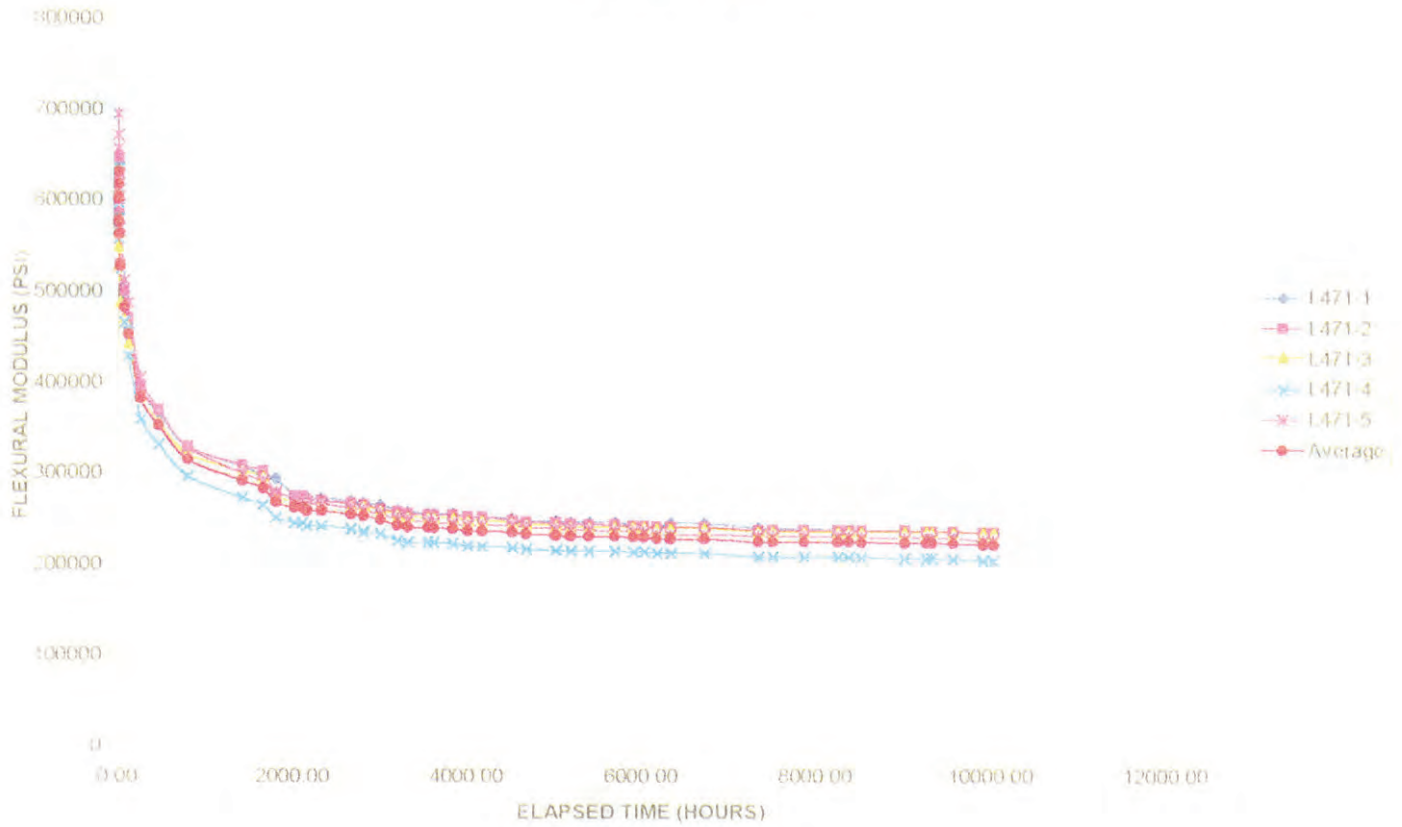
TEMPERATURE: 23° C/ 50% RH
 STRESS: 400 psi

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
0.00						
0.02	643500	648300	562900	635700	696200	631600
0.10	643500	648300	562900	616100	672900	617300
0.20	629900	626200	547800	603600	658300	603300
0.50	623400	626200	547800	597600	658300	601300
1.00	604500	605600	528900	574600	630900	578200
2.00	598400	605600	528900	569100	630900	576300
3.67	586700	592500	524400	558500	605700	562900
22.4	529600	529900	487000	524200	571400	527500
68.8	498700	501000	468400	466900	513300	482800
114.4	460300	471000	441400	429900	488400	453300
257.6	393700	393600	383500	360000	406500	383300
456.3	367100	369800	354700	332000	371600	352700
793.1	328800	330000	319600	297300	329200	315300
1414.6	308500	309600	302300	274100	299800	292100
1651.9	297700	302800	295000	265600	291200	283900
1802.3	294800	278300	272700	252200	280400	268400
2011.5	275800	275500	269100	245900	272800	262600
2109.8	275800	275500	269100	245900	271600	262200
2155.2	274500	271500	266800	242900	266800	258800
2323.0	273300	270100	266773	242900	266800	258800
2661.0	270800	267500	263300	239000	262200	254900
2808.4	268400	266200	263300	236200	259900	253200
3002.4	266000	261200	258900	234400	255500	249600
3193.7	260200	258700	2535500	227200	250300	243700
3312.9	257900	256300	251466	224700	248200	241400
3548.2	256800	255100	250400	224700	247200	240800
3619.0	255700	255100	250400	224700	246200	240400
3834.4	255700	255100	250400	223800	245200	239800
4003.7	252500	252800	247400	221300	243200	237300
4171.6	252500	252800	247400	220500	243200	237100
4513.9	251400	249300	245400	219700	243233	236124

TABLE 1 CONTINUED
 FLEXURAL CREEP DATA
 SAMPLE L471

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
4676.4	248300	247100	243500	218100	241300	234300
5012.4	248300	246000	241600	216500	239400	232500
5186.3	247300	244900	240600	215700	238400	231600
5392.6	247300	244400	240600	215700	238400	231600
5689.9	247300	243800	240600	215700	237500	231300
5901.9	243300	242800	240600	215000	237500	231000
6022.0	242300	242800	240600	215000	236600	230700
6168.1	241300	241700	239700	213400	233800	229000
6331.3	246300	241700	239700	213400	233800	229000
6719.6	246300	241700	239700	213400	233800	229000
7338.6	241300	238600	236000	209700	232100	225900
7507.4	240300	238600	236000	209700	232100	225900
7866.7	240300	238600	236000	209700	232100	225900
8252.1	239400	238600	236000	209700	232100	225900
8376.3	239400	238600	235991	209700	232100	225909
8512.8	238400	238600	236000	209000	231200	225400
9016.3	237500	238600	236000	208200	230300	224800
9261.4	236500	237500	236000	208200	230300	224800
9324.6	236500	237500	236000	208200	230300	224800
9572.0	236500	237500	235100	207500	230300	224800
9911.6	235600	236500	234600	206100	227700	222800
10025.7	235600	236500	234600	206100	227700	222800

FLEXURAL CREEP DATA SAMPLE L471
AT 400 PSI STRESS





Nu-Line Technologies, LLC Project References – CIPP/SPR

CIPP Project / Description	Owner / Contact	Contract Amount	Date
<u>2014 Wing Ave Flood Control</u> Clean/CCTV & CIPP lining of 159 LF of 18-inch & 24-inch Storm Drain, Flow Diversion.	Flatiron/City of El Cajon 1770 La Costa Meadows Drive San Marcos, Ca 92708 Ruben Claudio 760-916-9100	33,030.00	<u>Completion</u> 5/28/2014
<u>2014 Pipeline Rehabilitation Phase W-1</u> CIPP lining of 21,754 LF of 8-inch diameter sanitary sewer. Point Repairs, Manhole Rehabilitation, 425 Top Hats (SLC's) and 425 Lateral Launch Video, 425 4-inch CIPP Lateral Installation.	City of San Diego 525 B Street, Ste. 750 San Diego, CA 92101 Maryam Liaghat, P.E. 619-533-5192	2,465,095.10	<u>Start</u> 6/16/2014 <u>Completion</u> 3/19/2015
<u>2014 Sewer Rehabilitation Project No. 9</u> CIPP lining of 9,166 LF of 8" & 10" diameter sanitary sewer. Clean & CCTV, Bypass Pumping	Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Attn: Jose Pou 626-458-2191	232,000.00	<u>Start</u> 9/2/2014 <u>Completion</u> 10/31/2014
<u>2014 Pipeline Rehabilitation Phase X-1</u> CIPP lining of 4,092 LF of 6", 8", 10" & 15" diameter sanitary sewer. Point Repairs, Manhole Rehabilitation, 44 Service Lateral Connections and 44 Lateral Launch Video, 44 CIPP Lateral Installation.	City of San Diego 9485 Aero Drive San Diego, CA 92101 Jericho Gallardo, R.E. 619-533-7523	513,000.00	<u>Start</u> 11/21/2014 <u>Completion</u> 3/16/2015
<u>2014 Sewer Pipeline and Storm Drain Repairs</u> CIPP lining of 3,367 LF of 6", 8" & 18" diameter sanitary sewer & Storm Drain. Point Repairs, Manhole Rehabilitation,	City of Solana Beach 9485 Aero Drive Solana Beach , CA 92075 Taryn Kjolsing 858-720-2470	455,414.50	<u>Start</u> 9/22/2014 <u>Completion</u> 11/26/2014
<u>2014 Sewer & Water Group 833</u> CIPP lining of 3,876 LF of 6", 8" and 10" Sanitary Sewer Main Replacement. Point Repairs, Manhole Rehabilitation, Service Lateral Connections, Bypass Pumping.	City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba, R.E. 619-533-5191	513,000.00	<u>Start</u> 12/1/2014 <u>Completion</u> 1/26/2015
<u>2013 Sewer & Water Group 720</u> CIPP lining of 621 LF of 6-inch, Sanitary Sewer Main Replacement. Point Repairs, Manhole Rehabilitation, Service Lateral Connections, Bypass Pumping	City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba, R.E. 619-533-5191	21,735.00	<u>Start</u> 11/8/2014 <u>Completion</u> 11/8/2014
<u>2013 Sewer & Water Group 758</u> CIPP lining of 2,612 LF of 8-inch and 10,135 LF sanitary sewer replacement. Point Repairs, Manhole Rehabilitation, 30 (SLC's), CIPP Lateral Installation, Bypass Pumping.	City of San Diego 1200 Third Avenue., Ste. 200 San Diego, CA 92101 Luis Schaar, R.E. 619-533-4641	81,518.80	<u>Start</u> 5/29/2014 <u>Completion</u> 12/16/2014





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>2015 Sewer & Water Group 815</u> CIPP lining of 545 LF of 8-inch sanitary sewer. Point Repairs, Manhole Rehabilitation, 5 (SLC's), Bypass Pumping.</p>	<p>City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba, R.E. 619-533-5191</p>	<p>29,975.00</p>	<p><u>Completion</u> 2/17/2015</p>
<p><u>City of San Diego Skylark Canyon Rehabilitation</u> CIPP lining of 1,417 LF of 8-inch sanitary sewer. Bypass Pumping.</p>	<p>Weir Construction Corporation 2255 Barham Drive Escondido, Ca 92029 (760) 743-6776</p>	<p>95,215.00</p>	<p><u>Start</u> 12/24/2014 <u>Completion</u> 1/9/2015</p>
<p><u>Back Bay Drive Storm Drain Rehabilitation</u> CIPP/SPR lining of 1,892 LF of 12-inch to 42-Inch storm Drain. Bypass Pumping/Dewatering.</p>	<p>City of Newport Beach 100 Civic Center Drive Newport Beach, CA 92660 Peter Tauscher, P.E. 949-644-3309</p>	<p>297,208.80</p>	<p><u>Start</u> 1/19/2015 <u>Completion</u> 4/8/2015</p>
<p><u>Sewer Capital Improvements Project-Lemon Grove</u> CIPP Lining of 3,480 LF of 6-Inch and 8-Inch sanitary Sewer, manhole installations, cleanout installations, bypass pumping.</p>	<p>City of Lemon Grove 3232 Main Street Lemon Grove, Ca 91945 Scott Adamson P.E</p>	<p>189,946</p>	<p><u>Start</u> 9/28/2015 <u>Completion</u> 10/15/2015</p>
<p><u>Bataquitos Force Main (B1/B2) Force Main City of Leucadia</u> Installation of 383 LF of 21-Inch Force Main Carlsbad Blvd from Proto Drive</p>	<p>Leucadia Wastewater District 1960 La Costa Ave Carlsbad Ca, 92009</p>	<p>76,500</p>	<p><u>Start</u> 5/5/2015 <u>Completion</u> 3/6/2015</p>
<p><u>Annual Sewer Rehabilitation Program CIP. 15701</u> CIPP Lining of 7,702 LF of 6-Inch, 8-Inch, 21-inch and 36-Inch sanitary Sewer and storm drain, manhole installations, cleanout installations, bypass pumping.</p>	<p>City of San Juan Capistrano 32400 Paseo Adelanto San Juan Capistrano CA, 92675</p>	<p>\$ 1,385,061.00</p>	<p><u>Start</u> 8/17/2015 <u>Completion</u> 12/28/2015</p>
<p><u>Pipeline Rehab F-2 (Laterals)</u> Clean & CCTV of 93,955 LF of sanitary sewer.</p>	<p>City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Ryan Reed, R.E. 619-533-5191</p>	<p>\$ 101,471.00</p>	<p><u>Start</u> 2/15/2015 <u>Completion</u> 8/25/2015</p>
<p><u>Sewer and AC Water Group 752</u> CIPP Lining of 5,182 LF of 8-Inch sanitary Sewer and bypass pumping. Clean & CCTV, Top Hats</p>	<p>Public Utilities Department 9150 Topaz Way, MOC 1 San Diego, CA 92123 (585) 614-4564 Ed M. Cartas</p>	<p>\$ 281,411.00</p>	<p><u>Start</u> 7/9/2015 <u>Completion</u> 7/17/2015</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Sewer and AC Water Group 1004</u> CIPP Lining of 948 LF of 8-Inch sanitary Sewer and bypass pumping. Clean & CCTV, 14 Top Hats</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 (858) 997-7989 Armin Asadyari</p>	<p>\$ 70,159.00</p>	<p><u>Completion</u> 9/15/2015</p>
<p><u>South Oceanside Waterline Replacement</u> Clean & CCTV, Post Video of 5,887 LF 8-Inch New Installation, Manhole Rehabilitation</p>	<p>City of Oceanside 300 North Coast Highway, Oceanside, CA 92054 (760) 435-5913 Greg Keppler</p>	<p>\$ 90,092.75</p>	<p><u>Completion</u> 2015</p>
<p><u>Gravity Pipeline Rehabilitation</u> Clean & CCTV, Post Video of 1,887 LF 6-Inch, 8-Inch and 12-Inch sanitary sewer. Sectional Lining</p>	<p>Leucadia Wastewater District 1960 La Costa Avenue, Carlsbad, CA 92009 (760) 753-0155 Robin Morishita</p>	<p>\$137,987.00</p>	<p><u>Start</u> 7/9/2015 <u>Completion</u> 9/16/2015</p>
<p><u>Pipeline Rehab Z-1</u> Clean & CCTV, Post Video of 13,500 LF 8-Inch sanitary sewer, SPR/CIPP Lining of 13,500 LF of 8-Inch sanitary sewer and installation of 300 Top Hats</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 (619) 549-5451 Dave Engel</p>	<p>\$ 507,079.50</p>	<p><u>Start</u> 10/6/2015 <u>Completion</u> 12/11/2015</p>
<p><u>Los Angeles County Dept of Public Work – Project #11</u> SPR/CIPP Lining of 13,842 LF of 8-Inch sanitary Sewer and bypass pumping.</p>	<p>LACDPW 900 South Fremont Avenue Alhambra, California 91803 (626) 458-4951 Tim Bazinet</p>	<p>\$435,233.50</p>	<p><u>Start</u> 1/18/2016 <u>Completion</u> 2/29/2016</p>
<p><u>Industry Rd Sewer @ Ha-Hana Rd.</u> CIPP Lining of 748 LF of 24-Inch sanitary Sewer and bypass pumping.</p>	<p>Just Construction 3103 Market Street San Diego, CA 92102 (619) 702-4002</p>	<p>\$ 136,127.00</p>	<p><u>Awaiting</u> <u>NTP</u></p>
<p><u>CULVERT REPAIR AND REPLACEMENT FISCAL YEAR 2014-15</u> CIPP/SPR Lining of 499LF of 18-Inch to 42-Inch storm drain culvert.</p>	<p>Tri-Group Construction 9580 Black Mountain Rd Ste. L San Diego, CA 92126 (858) 583-1846</p>	<p>\$ 159,239.00</p>	<p><u>Start</u> 10/5/2015 <u>Completion</u> 11/30/2015</p>
<p><u>Huntington Beach FY 201415 Sewer Lining Project</u> CIPP Lining of 11,189 LF of 8-Inch sanitary Sewer and bypass pumping.</p>	<p>City of Huntington Beach 2000 Main Street, 1st Floor Huntington Beach, CA 92648 Jose Fuentes (714) 536-5431</p>	<p>\$250,000.00</p>	<p><u>Start</u> 3/1/2016 <u>Completion</u> 4/14/2016</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Encinitas 2014-2015 Annual Storm Drain Rehabilitation</u> CIPP Lining of 2,322LF of 12-Inch to 36-Inch storm drain culvert.</p>	<p>City of Encinitas 505 S. Vulcan Encinitas, CA 92024 Kipp Heffner (760) 633-2775</p>	<p>\$ 558,399.00</p>	<p><u>Start</u> 10/5/2015 <u>Completion</u> 3/30/2016</p>
<p><u>Sewer and AC Water Group 840</u> Final main video of 2,098 LF, 8-Inch sewer</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 (858) 573-5084 Avram Yu</p>	<p>\$3,147.00</p>	<p><u>Completion</u> 9/21/2015</p>
<p><u>Sewer Group 798</u> Clean & Video, SPR/CIPP Lining of 11,894LF of 8-Inch sanitary sewer, 164 Service Lateral Connections</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 (858) 573-5084 Avram Yu</p>	<p>\$ 410,114.30</p>	<p><u>Start</u> 12/15/2015 <u>Completion</u> 2/10/2016</p>
<p><u>2015 Sewer Repair Project - Rossmoor/Los Alamitos</u> Clean & Video, CIPP Lining 2,545 LF of 8-Inch, Point repairs, Top Hats</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$123,124.00</p>	<p><u>Start</u> 3/3/2016 <u>Completion</u> 4/1/2016</p>
<p><u>2015 GRAVITY SEWER REHABILITATION</u> Clean & Video, CIPP Lining 2,237 LF of 6-Inch, 8-Inch and 12-Inch sanitary sewer, 29 Service Lateral Connections, Bypass Pumping</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p>\$161,524.50</p>	<p><u>Start</u> 8/26/2015 <u>Completion</u> 12/23/2015</p>
<p><u>CIPP Lining of 15" & 18" CMP Storm Drain</u> Clean & Video, CIPP Lining 360 LF of 15-Inch and 18-Inch storm drains.</p>	<p>City of Buena Park 6650 Beach Blvd, Buena Park, Ca 90622 Francisco Gutierrez (714) 562-3687</p>	<p>\$ 51,991.00</p>	<p><u>Start</u> 3/3/2016 <u>Completion</u> 3/4/2016</p>
<p><u>Storm Drain Lining of 21" to 54"</u> Clean & Video, CIPP Lining 2,415 LF of 18-Inch, 21-Inch, 24-Inch, 30-Inch and 36-Inch storm drains, Sectional Repairs, Invert Grouting of storm drains prior to rehabilitation.</p>	<p>City of Chula Vista 1800 Maxwell Road, Chula Vista, CA 91911 Kalani Camacho (619) 921-2922</p>	<p>\$433,391.00</p>	<p><u>Start</u> 1/4/2016 <u>Completion</u> 4/21/2016</p>
<p><u>Storm Drain Lining 2014-15; Project No. 52716</u> Clean & Video, CIPP Lining 2,420 LF of 8-Inch, 10-Inch sanitary sewer, 12-Inch and 18-Inch storm drains, Sectional Repairs, Invert Grouting of storm drains prior to rehabilitation.</p>	<p>City of Fullerton PWD –Engineering 303 West Commonwealth Avenue, Fullerton, CA 92832 Vince Oseguera (714) 738-6845</p>	<p>\$117,973.00</p>	<p><u>Start</u> 2/22/2016 <u>Completion</u> 4/25/2016</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>The Oaks - CIPP Lining of 36-Inch Storm Drain</u> Clean & CCTV 100 LF of 36-Inch storm Drain, Easement access installation of 100 LF of 36-Inch storm Drain, Post Video</p>	<p>Davidson Communities 1302 Camino Del Mar, Del Mar, CA 92014 Tim O'Grady (858) 259-8500</p>	<p style="text-align: center;">\$ 32,000.00</p>	<p style="text-align: center;"><u>Start</u> 4/29/2016 <u>Completion</u> 4/29/2016</p>
<p><u>Eastern Municipal Water District 12-Inch Sanitary Sewer</u> Clean & CCTV, Rehabilitate 413 LF of 12-Inch Sanitary Sewer, Reinstate 5 Lateral Connections, Bypass Pumping</p>	<p>Eastern Municipal Water District 2270 Trumble Road, Perris, CA 92572-8300 Mark Chamberlin (951) 928-3777 Ext 6290</p>	<p style="text-align: center;">\$ 22,715.00</p>	<p style="text-align: center;"><u>Start</u> 2/26/2016 <u>Completion</u> 2/26/2016</p>
<p><u>City of Los Angeles – Sewers 5 Program</u> Clean & CCTV, Rehabilitate 7,147 LF of 8-Inch, 10-Inch, 16-Inch Sanitary Sewer, Reinstate 160 Lateral Connections, Bypass Pumping, Post Video</p>	<p>Mathew & Stewart Co Inc. 2841 Gardena Ave, Signal Hill, CA 90755 Bruce Flowers (562) 595-5471</p>	<p style="text-align: center;">\$ 304,603.00</p>	<p style="text-align: center;"><u>Start</u> 6/17/2015 <u>Completion</u> On Call</p>
<p><u>Rancho Palos Verdes Storm Drain</u> Clean & CCTV 134 LF of 18-Inch storm Drain, Easement access installation of 134 LF of 18-Inch storm Drain, Post Video</p>	<p>Grfco Inc Po Box 1747 Brea, CA 92822 Jim Jackson (714) 412-4712</p>	<p style="text-align: center;">\$ 21,942.50</p>	<p style="text-align: center;"><u>Start</u> 12/30/2015 <u>Completion</u> 12/30/2015</p>
<p><u>City of San Diego Group 703A</u> Clean & CCTV 627 LF of 8-Inch sanitary sewer, Easement access installation of 627 LF of 8-Inch sanitary sewer, Post Video</p>	<p>Weir Construction Corporation 2255 Barham Drive, Escondido, Ca 92029 Allan Weir (760) 743-6776</p>	<p style="text-align: center;">\$ 30,347.50</p>	<p style="text-align: center;"><u>Start</u> 3/8/2016 <u>Completion</u> 3/9/2016</p>
<p><u>La Costa Golf Course</u> Clean & CCTV 360 LF of 10-Inch sanitary sewer, Easement access installation of 360 LF of 10-Inch sanitary sewer, Post Video</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p style="text-align: center;">\$ 18,720.00</p>	<p style="text-align: center;"><u>Start</u> 11/20/2015 <u>Completion</u> 11/20/2015</p>
<p><u>Manning Canyon Sewer and Water Replacement</u> Clean & CCTV 15,508 LF of 8-Inch sanitary sewer, Rehabilitate 2,582 LF of 8-Inch sanitary sewer w/SPR, 56 Sewer Lateral Connections, Post CCTV Video of 15,508 LF, Bypass Pumping</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 212,865.00</p>	<p style="text-align: center;"><u>Start</u> 3/22/2016 <u>Completion</u> 2/28/17</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p>9 Clean & CCTV, Post Video of 40,279 LF 8-Inch sanitary sewer, 889 Lateral Launch Video, SPR/CIPP Lining of 40,279 LF of 6", 8" and 10 -Inch sanitary sewer and installation of 889 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$1,040,214.00</p>	<p style="text-align: center;"><u>Start</u> 4/4/2016 <u>Completion</u> 10/18/2016</p>
<p>Sewer Rehabilitation Project No. 13 SPR/CIPP lining of 19,943 LF of 8-Inch diameter sanitary sewer, reinstate 459 House connections, Clean & CCTV, Bypass Pumping</p>	<p>Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Attn: Joel Zaragoza (626) 458-4973</p>	<p style="text-align: center;">\$ 476,649.00</p>	<p style="text-align: center;"><u>Start</u> 4/7/2016 <u>Completion</u> 11/8/2016</p>
<p>Sewer & Water Group 834 Clean & CCTV, Post Video of 8,996 LF 8-Inch sanitary sewer, Lateral Launch Video, SPR Lining of 975 LF of 10", 12" and 14 -Inch sanitary sewer and installation Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 109,284.50</p>	<p style="text-align: center;"><u>Start</u> 3/21/2016 <u>Completion</u> 3/21/2017</p>
<p>SPR Lining of 36-Inch Storm Drain Clean & CCTV 140 LF of 36-Inch Storm Drain under 805 Freeway Southbound Lane, Post Video</p>	<p>SKANSKA 5196 Governor Drive, San Diego, California 92122 Keith Jackson (858) 646-0921</p>	<p style="text-align: center;">\$ 85,089.00</p>	<p style="text-align: center;"><u>Start</u> 5/12/2016 <u>Completion</u> 5/14/2016</p>
<p>LACDPW CRR. 436 CIPP lining of 598 LF of 18", 36" and 60-Inch diameter storm drain, Clean & CCTV, Spot Repairs, Frame and Cover Installations</p>	<p>Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Attn: Fred Kheradvar (626) 458-4973</p>	<p style="text-align: center;">\$ 297,203.50</p>	<p style="text-align: center;"><u>Start</u> 5/27/2016 <u>Completion</u> 7/13/2016</p>
<p>2016 SEWER MAIN CIPP REHABILITATION Clean & CCTV, Post Video of 3,700 LF 6", 8" and 10-Inch sanitary sewer, Traffic Control, Bypass Pumping.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Alex Thomas (714) 701-3115</p>	<p style="text-align: center;">\$ 189,823.00</p>	<p style="text-align: center;"><u>Start</u> 4/14/2016 <u>Completion</u> 7/28/2016</p>
<p>SSRP P08 Daly Street & Avenue 26 Clean & CCTV, Rehabilitate 5,405 LF of 8-Inch Sanitary Sewer, Reinstatement 163 Lateral Connections, Bypass Pumping, Post Video</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p style="text-align: center;">\$ 258,160.00</p>	<p style="text-align: center;"><u>Start</u> 12/12/16 <u>Completion</u> 1/31/2018</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>SANITARY SEWER MASTER PLAN PHASE 1</u> Clean & CCTV, Post Video of 2,230 LF 8", 10" & 12-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of South El Monte 1415 Santa Anita Avenue, South El Monte, CA 91733 Aidan Mousavi (626) 652-3110</p>	<p>\$163,798.00</p>	<p><u>Start</u> 6/7/2016 <u>Completion</u> 10/28/16</p>
<p><u>2016 GRAVITY PIPELINE REHABILITATION PROJECT</u> Clean & CCTV, CIPP Lining of 1,280 LF 8" & 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p>\$ 240,000.00</p>	<p><u>Start</u> 7/28/2016 <u>Completion</u> 12/15/2016</p>
<p><u>Caltrans No. 08-0J8104</u> Clean & CCTV, SPR & CIPP Lining of 1,160 LF of 18", 24", 30", 36" and 42-Inch Storm Drain, Pipe Repairs, Post Video</p>	<p>Dreambuilder 1324 E. Lawson Ln, Placentia, CA 92870 (714) 646-3697</p>	<p>\$311,540.00</p>	<p><u>Start</u> 1/9/2017 <u>Completion</u> 3/3/2017</p>
<p><u>HillTop Area Sewer Lining Project</u> Clean & CCTV, CIPP Lining of 12,956 LF 6", 8", 10" & 12-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of Redding 777 Cypress Avenue, Redding, CA 96001 Darren Langfield (530) 225-4469</p>	<p>\$519,330.00</p>	<p><u>Start</u> 7/5/2016 <u>Completion</u> 9/30/2016</p>
<p><u>Sewer & Water Group 701</u> Clean & CCTV, CIPP Lining of 1,280 LF 8" & 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of San Diego 1200 Third Avenue., Ste. 200 San Diego, CA 92101 Luis Schaar, R.E. 619-533-4641</p>	<p>\$27,864.75</p>	<p><u>Start</u> 3/5/2018 <u>Completion</u> TBD</p>
<p><u>Tyrian St and Soledad Ave and AC Water Main</u> Clean & CCTV, CIPP Lining of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of San Diego 1200 Third Avenue., Ste. 200 San Diego, CA 92101 Luis Schaar, R.E. 619-533-4641</p>	<p>\$13,164.00</p>	<p><u>Start</u> 3/15/17 <u>Completion</u> 3/17/17</p>
<p><u>RFB 7402 San Diego San District</u> Clean & CCTV, sectional Lining and Top Hat Installation, 8" VCP sanitary sewer.</p>	<p>County of San Diego 5560 South Overland Avenue, Suite B, San Diego CA 92123 Jaclyn Smith, 858-5058-6367</p>	<p>\$5,850.00</p>	<p><u>Start</u> 7/11/16 <u>Completion</u> 7/12/16</p>
<p><u>City of LA ESR 69th & Vermont</u> Clean & CCTV, CIPP Lining of 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$13,777.50</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

Fresno E. Home Avenue Sewer Rehab Clean & CCTV, CIPP Lining of 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	City of Fresno 1721 Van Ness Avenue, Fresno, CA 93721 Mike Brown,	\$75,255.00	<u>Start</u> 3/15/2017 <u>Completion</u> 6/5/2017
Pacific Beach Pipeline South Video Inspecting 9,000 LF of Pipelines and Culverts for Acceptance.	TC Construction 10540 Prospect Avenue Santee, CA 92071 Elan Schier	\$41,207.00	<u>Start</u> April, 2017 <u>Completion</u> TBD
6-Inch CIPP Lining at U.C.L.A Clean & CCTV, CIPP Lining of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	PipeTec PO Box 2337 Irwindale, CA 91706 Mike Ashker	\$14,425.00	<u>Start</u> 6/17/2016 <u>Completion</u> 6/17/2016
Mission Trails Collection - Santee 1 Video Inspecting 1,001 LF of Pipelines and Culverts for Acceptance.	Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822	\$2,862.00	<u>Start</u> TBD <u>Completion</u> TBD
City of El Monte – Sewer Lining Project Clean & CCTV, CIPP Lining of 8-Inch and 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	City of El Monte Richard Ruyle 626-808-1909	\$163,098.00	<u>Start</u> 9/27/2016 <u>Completion</u> 11/23/2016
Ross Valley Sanitation Clean & CCTV, CIPP Lining of 22,202 LF of 6-Inch and 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	Ranger Pipelines 1790 Yosemite Ave. San Francisco, CA 94124 Tom Grover (415) 822-3700	\$864,999.50	<u>Start</u> April, 2017 <u>Completion</u> 5/1/2018
Via De La Valle bridge in Del Mar, CA Clean & CCTV, CIPP Lining of 10-Inch Ductile Iron Pipe, Traffic Control	PAL Engineering 5374 Eastgate Mall San Diego, CA 92121 Diana Hsu	\$24,235.50	<u>Start</u> 10/26/2016 <u>Completion</u> 10/26/2016
Pipeline Rehabilitation AM-1 Clean & CCTV, Post Video of 41,127 LF 8-Inch sanitary sewer, 1,127 Lateral Launch Video, SPR/CIPP Lining of 41,127 LF of 8-Inch sanitary sewer and installation of 1,127 Top Hats	Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822	\$1,755,384.50	<u>Start</u> 12/5/2016 <u>Completion</u> 6/30/2017





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Fresno Sewer Rehabilitation in Congo and H-Broadway Downtown</u> Clean & CCTV, CIPP Lining of 1,441 LF of 8-Inch and 10-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p style="text-align: center;">\$114,434.50</p>	<p style="text-align: center;"><u>Start</u> April 2017 <u>Completion</u> 4/15/2018</p>
<p><u>Massachusetts Avenue Sewer Improvements-La Mesa</u> Clean & CCTV, CIPP Lining of 937 LF of 6-Inch, 8-Inch and 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>S.C. Valley Engineering, Inc. 656 Front St. El Cajon, CA 92020 Kevin Prescott (619) 444-2366</p>	<p style="text-align: center;">\$85,709.81</p>	<p style="text-align: center;"><u>Start</u> 12/12/2016 <u>Completion</u> 2/3/2017</p>
<p><u>Sewer Capital Improvements – Lemon Grove</u> Clean & CCTV, CIPP Lining of 112 LF of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>S.C. Valley Engineering, Inc. 656 Front St. El Cajon, CA 92020 Kevin Prescott (619) 444-2366</p>	<p style="text-align: center;">\$10,080.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Val Sereno Storm Drain Rehabilitation & Extension</u> Clean & CCTV, CIPP Lining of 143LF of 24-Inch storm drain, clearing and grubbing, Traffic Control, Concrete Headwall, Invert Paving Repairs.</p>	<p>City of Encinitas 505 S. Vulcan Avenue Encinitas, CA 92024 Kipp Hefner (760) 633-2775</p>	<p style="text-align: center;">\$49,000.00</p>	<p style="text-align: center;"><u>Start</u> 10/27/2016 <u>Completion</u> 11/7/2016</p>
<p><u>Small Diameter Sewer Rehabilitation - 2017-1</u> Clean & CCTV, CIPP Lining of 143LF of 24-Inch storm drain, clearing and grubbing, Traffic Control, Concrete Headwall, Invert Paving Repairs.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$253,674.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Fresno Sewer Rehab & Replace in N Central Downtown</u> Clean & CCTV, CIPP Lining of 857 LF of 6-Inch sanitary sewer, lateral reinstatement.</p>	<p>Bill Nelson GEC, Inc. 2741 E. Malaga Avenue Fresno, CA 93725 Jeff Nelson</p>	<p style="text-align: center;">\$83,942.59</p>	<p style="text-align: center;"><u>Start</u> 5/2/2017 <u>Completion</u> 5/31/2017</p>
<p><u>Trenchless Repair Replacement & Rehab Los Alamos</u> Clean & CCTV, SPR Lining of 1,450 LF of 8-Inch sanitary sewer, lateral reinstatement.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$106,515.00</p>	<p style="text-align: center;"><u>Start</u> 12/12/2016 <u>Completion</u> 12/16/2016</p>
<p><u>Rehabilitation of 2 Sewer Lift Stations 24th St & Oak St</u> Clean & CCTV, CIPP Lining of 486 LF of 15-Inch sanitary sewer, lateral reinstatement.</p>	<p>GSE Construction Company, Inc. 6950 Preston Avenue Livermore, CA 94551</p>	<p style="text-align: center;">\$53,415.00</p>	<p style="text-align: center;"><u>Start</u> April, 2017 <u>Completion</u> 10/17/2017</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Yorba Linda Water District 8in DIP</u> Clean & CCTV, CIPP Lining of 208 LF of 8-Inch Ductile Iron sanitary sewer, lateral reinstatement.</p>	<p>Murrieta Development Inc. 42540 Rio Nedo Rd. Temecula, CA 92590 Bill Estrada (909) 721-0362</p>	<p>\$12,376.00</p>	<p><u>Start</u> 11/16/2016 <u>Completion</u> 11/16/2016</p>
<p><u>City of Bell - Sewer Modernization Project</u> Clean & CCTV, CIPP Lining of 4,839LF of 8-Inch sanitary sewer, lateral reinstatement.</p>	<p>Tunnelworks Services Inc. 13502-H Whittier Blvd. Ste. 165 Whittier, CA 90605 William Duarte (562) 553-2734</p>	<p>\$142,862.75</p>	<p><u>Start</u> 2/14/17 <u>Completion</u> 4/10/2017</p>
<p><u>I-25 South 18-Inch Sanitary Sewer</u> Clean & CCTV, SPR Lining of 550 LF of 18-Inch sanitary sewer, lateral reinstatement.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p>\$168,440.00</p>	<p><u>Start</u> 12/15/2016 <u>Completion</u> 3/31/2017</p>
<p><u>Pipeline Rehabilitation AG-1</u> Clean & CCTV, SPR/CIPP Lining of 35,992 LF of 8-Inch sanitary sewer and installation of 797 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$1,414,852.50</p>	<p><u>Start</u> April 2017 <u>Completion</u> 7/24/2017</p>
<p><u>Bonillo Drive Storm Drain</u> Cleaning and Video Inspection of 24" Storm Drain</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$2,169.11</p>	<p><u>Start</u> 2/7/17 <u>Completion</u> 2/7/17</p>
<p><u>Lemon Drive 8-Inch Lining</u> Clean & CCTV, CIPP Lining of 10 LF of 10-Inch sanitary sewer.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Diane Dalton (714) 701-3115</p>	<p>\$7,385.00</p>	<p><u>Start</u> 3/10/17 <u>Completion</u> 3/10/17</p>
<p><u>Sunset Lane Easement 8-Inch Lining</u> Clean & CCTV, CIPP Lining of 345 LF of 8-Inch sanitary sewer.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Diane Dalton (714) 701-3115</p>	<p>\$17,424.75</p>	<p><u>Start</u> 2/27/17 <u>Completion</u> 2/27/17</p>
<p><u>Sierra Madre Rehab Project</u> Clean & CCTV, CIPP Lining of 2,785LF of 8-Inch sanitary sewer.</p>	<p>City of Sierra Madre 232 W. Sierra Madre Blvd Sierra Madre, CA Chris Cimino (626) 335-6615</p>	<p>\$150,752.50</p>	<p><u>Start</u> April 2017 <u>Completion</u> 6/23/2017</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<u>City of Pasadena - La Loma</u> Clean & CCTV, CIPP Lining of 140LF of 8-Inch sanitary sewer, Bypass Pumping.	Ramona Inc 302 N 1st Ave Ste 1 Arcadia, CA 91006 Michael Grbavac (626) 355-1350	\$12,950.00	<u>Start</u> 3/9/17 <u>Completion</u> 3/9/17
<u>North Long Beach Sewer Improvement Project</u> Clean & CCTV, CIPP Lining of 4,229LF of 8-Inch, 10-inch and 12-inch sanitary sewer, Bypass Pumping, Traffic Control, Top Hats, Point Repairs.	City of Long Beach 1800 East Wardlow Road, Long Beach, CA 90807 (562) 570-2419	\$529,504.35	<u>Start</u> 10/2/2017 <u>Completion</u> 12/18/2017
<u>2017 CMP Storm Drain Relining and Point Repair</u> Clean & CCTV, CIPP Lining of 912LF of 12-Inch, 15-inch and 18-inch & 21-Inch storm drain, Point Repairs, Traffic Control,	City of Pasadena 100 N. Garfield Ave, Pasadena, CA 91109 (626) 744-3921	\$201,368.10	<u>Start</u> 3/5/2018 <u>Completion</u> TBD
<u>CalTrans 12-0Q0604 Huntington Beach CA</u> Clean & CCTV, CIPP Lining of 1,100LF of 12-Inch, 18-inch and 24-Inch storm drain, Point Repairs, Traffic Control,	Jabra Contracting 1813 Manzanita Lane, Manhattan Beach, CA 90266 (310) 545-5015	\$113,650.00	<u>Start</u> 9/11/2017 <u>Completion</u> 11/6/2017
<u>La Mesa 24-Inch Storm Drain</u> CCTV Inspection 24-Inch storm drain	Wayne Pointer 4740 Alta Rica Drive La Mesa, CA 91941 (619) 818-1116	\$660.00	<u>Start</u> 3/8/2016 <u>Completion</u> 3/8/2016
<u>Water & Sewer Group 954</u> Clean & CCTV 1,816LF, CIPP Lining of 1,316LF of 8-Inch sanitary sewer, Traffic Control,	Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822	\$55,710.00	<u>Start</u> TBD <u>Completion</u> TBD
<u>Imperial Beach – Sewer Pump Station 4 & 6 Rehabilitation</u> Clean & CCTV 128LF, CIPP Lining of 128 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control,	NEWest Construction 9235 Trade Pl. Suite A, San Diego, CA 92126 Corey Jennette (858) 436-4880	\$14,164.00	<u>Start</u> 4/7/2017 <u>Completion</u> 4/13/2017
<u>Goleta West Sanitary District Project #16-04</u> Clean & CCTV 5,882 LF, SPR & CIPP Lining of 5,882 LF of 6", 8", 10", 12" 15" & 18-Inch sanitary sewer, Bypass Pumping, Traffic Control, Manhole Rehabilitation at various locations.	Goleta West Sanitary District PO Box 4 Goleta, CA 93116-0004 Mark Nation (805) 968-2617 Office	\$566,502.00	<u>Start</u> 7/27/2017 <u>Completion</u> 12/8/2017





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>CalTrans No. 07-3W1104 Place Pipeliner & Repair Culverts</u> Clean & CCTV, CIPP Lining of 1,400 LF of 18-Inch, 24-inch and 39-Inch storm drain in various locations of San Fernando CA</p>	<p>Jabra Contracting 1813 Manzanita Lane, Manhattan Beach, CA 90266 (310) 545-5015</p>	<p>\$236,767.50</p>	<p><u>Start</u> <u>7/10/2017</u> <u>Completion</u> <u>9/29/2017</u></p>
<p><u>San Diego Sewer Group 818</u> Clean & CCTV 133LF, CIPP Lining of 133LF of 6-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Dick Miller Jean Grace (760) 471-6842 ext 13</p>	<p>\$18,569.75</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>
<p><u>San Diego - AC Water & Sewer Group 1017</u> Clean & CCTV 350 LF, CIPP Lining of 350LF of 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$20,650.00</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>
<p><u>Lake Arrowhead Shelter Cove Aqua-Fria</u> Clean & CCTV 3,170 LF, CIPP Lining of 3,170LF of 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Lake Arrowhead Community Services District 27307 State Highway 189, Blue Jay, CA Richard Pretzinger (909) 336-7139</p>	<p>\$325,329.00</p>	<p><u>Start</u> <u>8/7/2017</u> <u>Completion</u> <u>10/31/2017</u></p>
<p><u>San Diego - AC Water & Sewer Group 955</u> Post Video Inspection 1,796LF various diameters</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$4,041.00</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>
<p><u>La Mesa 8-Inch Cast Iron Pipe</u> Clean & CCTV 8" Cast Iron Pipe x 450ft</p>	<p>PSOMAS 401 B Street, Suite San Diego, CA 92101 Sean Diaz (619) 961-2812</p>	<p>\$4,000.00</p>	<p><u>Start</u> <u>6/1/2017</u> <u>Completion</u> <u>6/30/2017</u></p>
<p><u>Leucadia 18-Inch Ductile Iron Pipe Rehabilitation</u> Clean & CCTV, Cured In Place Lining and end seal 18" Ductile Iron Pipe</p>	<p>CCL Contracting Inc 1938 Don Lee Pl Escondido, CA 92029 Rod Chilcote (760) 743-2254</p>	<p>\$39,232.00</p>	<p><u>Start</u> <u>7/23/2017</u> <u>Completion</u> <u>7/26/2017</u></p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Sewer Rehabilitation in N Abby and E Hammond</u> Clean & CCTV 1,714 LF, SPR Lining of 1,714 LF of 20-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>City of Fresno 2600 Fresno Street, Room 2015, Fresno, CA 93721 Jesus Gonzales (559) 621-1332</p>	<p style="text-align: center;">\$702,673.50</p>	<p style="text-align: center;"><u>Start</u> <u>3/16/2018</u> <u>5/24/2018</u></p>
<p><u>LACDPW - Project No. 15</u> Clean & CCTV 22,132 LF, SPR & CIPP Lining of 22,132 LF of 8", 10"and 12-Inch sanitary sewer, Bypass Pumping, Traffic Control, Point Repairs at various locations.</p>	<p>LACDPW 900 South Fremont Ave Alhambra, CA 90014 Fred Kheradvar (626) 458-4973 Office</p>	<p style="text-align: center;">\$664,667.00</p>	<p style="text-align: center;"><u>Start</u> <u>10/3/2017</u> <u>Completion</u> <u>1/16/2018</u></p>
<p><u>Beale Air Force Base - Repair Sub Basins 1, 2, 3, 9 and MUNS</u> Clean & CCTV 5,638 LF, CIPP Lining of 5,638 LF of 6", 8", 10"and 12" and 21-Inch sanitary sewer, Bypass Pumping, Traffic Control, Point Repairs at various locations.</p>	<p>Allright Construction Inc 1485 S. Industrial Way Kerman, CA 93630 Steve Martinez (559) 284-3236 Office</p>	<p style="text-align: center;">\$522,566.00</p>	<p style="text-align: center;"><u>Start</u> <u>8/2/2018</u> <u>Completion</u> <u>TBD</u></p>
<p><u>2016-2017 Citywide Annual Sewer Rehabilitation</u> Clean & CCTV 17,980 LF, CIPP Lining of 17,980 LF of 6", 8", 10"and 14-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control, Manhole Rehabilitation Point Repairs at various locations.</p>	<p>City of Encinitas 505 S. Vulcan Avenue Encinitas, CA 92024 Kipp Hefner (760) 633-2775 Office</p>	<p style="text-align: center;">\$1,351,415.75</p>	<p style="text-align: center;"><u>Start</u> <u>11/6/2017</u> <u>Completion</u> <u>5/31/2018</u></p>
<p><u>Monrovia Renewal – Northwest Area Infrastructure Improvements Project</u> Clean & CCTV 6,035 LF, CIPP Lining of 6,035LF of 6"and 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control, Manhole Rehabilitation Point Repairs at various locations.</p>	<p>Sully-Miller Contracting, Inc. 135 S. State College Blvd, Brea CA 92821 Jesse Flores (714) 578-9600 Office</p>	<p style="text-align: center;">\$335,935.00</p>	<p style="text-align: center;"><u>Start</u> <u>11/15/2017</u> <u>Completion</u> <u>Projected</u> <u>5/31/2018</u></p>
<p><u>Sewer System Repair Project- Montclair CA</u> Clean & CCTV 766 LF, CIPP Lining of 766 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control at various locations.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p style="text-align: center;">\$31,980.50</p>	<p style="text-align: center;"><u>Start</u> <u>9/18/2017</u> <u>Completion</u> <u>10/9/2017</u></p>
<p><u>Sewer and AC Water Group 764A</u> Clean & CCTV 7,791 LF, CIPP Lining of 617 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control at various locations.</p>	<p>KTA Construction 821 Tavern Rd. Alpine, CA Adam Ogden (619) 562-9464</p>	<p style="text-align: center;">\$46,611.00</p>	<p style="text-align: center;"><u>Start</u> <u>2/1/2018</u> <u>Completion</u> <u>TBD</u></p>
<p><u>Techite Sewer Replacement, Diversion Structure- Padre Dam</u> Clean & CCTV 390 LF, CIPP Lining of 390 LF of 6-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control at various locations.</p>	<p>Charles King Company 2841 Gardena Avenue Signal Hill, CA 90755 Scott King (562) 426-2974</p>	<p style="text-align: center;">\$36,864.00</p>	<p style="text-align: center;"><u>Start</u> <u>2/26/2018</u> <u>Completion</u> <u>2/27/2018</u></p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Sewer Rehabilitation Project 2016/2017</u> Clean & CCTV 8,620 LF, CIPP Lining of 8,620 LF of 8” and 10-Inch sanitary sewer, Top Hats, Bypass Pumping, Point Repairs and Traffic Control at various locations.</p>	<p>City of West Hollywood 5 Hutton Centre Drive, Suite 500 Santa Ana, CA 92707 Kieler Smith (949) 330-4172</p>	<p style="text-align: center;">\$861,970.00</p>	<p style="text-align: center;"><u>Start</u> 12/11/2017 <u>Completion</u> Projected 5/30/2018</p>
<p><u>2017 CMP Repairs – City of Poway</u> Clean & CCTV 1,031 LF, CIPP Lining of 1,031 LF of 18” and 24-Inch storm drain, Invert Repairs, Point Repairs and Traffic Control at various locations.</p>	<p>City of Poway 13325 Civic Center Drive Poway, CA 92064 Brian Banzuelo (858) 668-4623</p>	<p style="text-align: center;">\$318,244.00</p>	<p style="text-align: center;"><u>Start</u> 11/10/2017 <u>Completion</u> 12/27/2017</p>
<p><u>18-inch Storm Drain Rehabilitation</u> Clean & CCTV 1,308 LF, CIPP Lining of 1,280 LF of 18” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>The Gill Company 28069 Diaz Rd, Suite B Temecula, CA 92590 Darren Gill (951)501-5623</p>	<p style="text-align: center;">\$108,191.00</p>	<p style="text-align: center;"><u>Start</u> 12/11/2017 <u>Completion</u> 2/1/2018</p>
<p><u>JOC Task P15S004</u> Clean & CCTV 69 LF, CIPP Lining of 69 LF of 24” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$12,915.00</p>	<p style="text-align: center;"><u>Start</u> 4/26/2018 <u>Completion</u> 4/26/2018</p>
<p><u>Caltrans – Contract No. 08-0Q6804</u> Clean & CCTV 520 LF, CIPP Lining of 520 LF of 18” & 24” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>American Pacific Construction 7161 Citrus Valley Ave Eastvale, CA 92880 Ashish Sehgal (559) 577-9999</p>	<p style="text-align: center;">\$130,875.00</p>	<p style="text-align: center;"><u>Start</u> 2/1/2018 <u>Completion</u> 4/25/2018</p>
<p><u>Caltrans – Contract No. 08-0Q6904</u> Clean & CCTV 1,810 LF, CIPP Lining of 1,810 LF of 24” and 30” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>United Engineering & Construction, Inc., 336 N. Central Ave. 10A Glendale, CA 91203 Reza Fard (818) 662-8055</p>	<p style="text-align: center;">\$381,090.00</p>	<p style="text-align: center;"><u>Start</u> 2/1/2018 <u>Completion</u> 5/23/2018</p>
<p><u>Emergency Sewer CCTV for Lake Helix Drive</u> Clean, Remove Tuberculation & CCTV 8” Cast Iron Pipe x 200ft</p>	<p>City of La Mesa 8130 Allison Avenue La Mesa, CA 91942 Hamed Hashemian (760) 975-5856</p>	<p style="text-align: center;">\$8,350.00</p>	<p style="text-align: center;"><u>Start</u> 1/8/2018 <u>Completion</u> 1/30/2018</p>
<p><u>FY2016/17 Gravity Sewer Rehabilitation Project</u> Clean & CCTV, CIPP Lining of 24,064 LF of 6-Inch and 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Ranger Pipelines 1790 Yosemite Ave. San Francisco, CA 94124 Tom Grover (415) 822-3700</p>	<p style="text-align: center;">\$1,072,720.00</p>	<p style="text-align: center;"><u>Start</u> 6/13/2017 <u>Completion</u> 4/19/2018</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Rehabilitate 10-Inch Siphon</u> Clean & CCTV, CIPP Lining of 250 LF of 10-Inch sanitary sewer siphon, Traffic Control, Bypass Pumping.</p>	<p>City of Laguna Beach - Water Quality Department 505 Forest Avenue Laguna Beach, CA 92651 Hannah Johnson (949) 464-6615</p>	<p>\$56,625.00</p>	<p><u>Start</u> 12/1/2017 <u>Completion</u> 12/5/2017</p>
<p><u>Culvert Repair and Replacement Fiscal Year 2016-17, Oracle Project No. 1020695</u> Clean & CCTV, CIPP Lining of 721 LF of 18", 24", 30", 42" and 71 x 47-Inch storm drain, Traffic Control and invert repairs.</p>	<p>Tri-Group Construction 9580 Black Mountain Road, Ste L San Diego CA, 92126 Hani Assi (858) 689-0058</p>	<p>\$262,898.00</p>	<p><u>Start</u> 2/22/2018 <u>Completion</u> 5/30/2018</p>
<p><u>CIPP Lining of 18" CMP Storm Drain & Void Repair</u> Clean & CCTV, CIPP Lining of 100 LF of 18-Inch storm drain, Traffic Control and invert repairs.</p>	<p>City of Buena Park 6955 Aragon Circle Buena Park, Ca 90622 Frank Moore (714) 562-3708</p>	<p>\$30,000.00</p>	<p><u>Start</u> 12/18/2018 <u>Completion</u> 12/22/2018</p>
<p><u>Regal Road Sewer Main Extension</u> Clean & CCTV 133 LF of 8-Inch sanitary sewer and Traffic Control.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$1,100.00</p>	<p><u>Start</u> 1/18/2018 <u>Completion</u> 1/18/2018</p>
<p><u>Sewer & Water Group -701</u> Clean & CCTV 10,013 LF of 8-Inch sanitary sewer, Rehabilitate 8-inch Sewer, Top Hats and Traffic Control.</p>	<p>Ortiz Corporation 2000 Mc Kinley Avenue National City, CA 91950 Jose Ortiz (619) 434-7925</p>	<p>\$27,864.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Brio & Symphony 12" CIPP</u> Clean & CCTV 336 LF of 12-Inch sanitary sewer, Rehabilitate 12-inch Sewer and Traffic Control.</p>	<p>National Plant Services, Inc. 1461 Harbor Avenue Long Beach, CA 90813 Jeff Garcia (562) 436-7600</p>	<p>\$26,880.00</p>	<p><u>Start</u> 2/6/2018 <u>Completion</u> 2/6/2018</p>
<p><u>Contract No. 02-4G2504 Replace and Rehabilitate Culverts, and Construct RSP</u> Clean & CCTV 460 LF of 21" & 24-Inch storm drain, Rehabilitate 21" & 24-inch storm drain with SPR.</p>	<p>R. Brown Construction Company, Inc. P.O. Box 406 Willow Creek, CA 95573 Roger Brown (530) 629-3702</p>	<p>\$154,060.00</p>	<p><u>Start</u> 7/1/2018 <u>Completion</u> 7/28/2018</p>
<p><u>Ceres Trunk Rehabilitation Project No. 2017-23</u> Clean & CCTV 723 LF of 21-Inch sanitary sewer, Rehabilitate 21-inch sanitary sewer with cured in place liner.</p>	<p>Rolfe Construction 3573 Southern Pacific Ave Atwater, CA 95301 Jorge C. Avelar (209) 358-5548</p>	<p>\$133,241.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Caltrans 08-0Q6904 Culvert Repair</u> Clean & CCTV 1,810 LF of 24" & 30-Inch storm drain, Rehabilitate 21" & 24-inch storm drain with CIPP, Cement Spray & SPR lining systems.</p>	<p>United Engineering & Construction, Inc., 336 N. Central Ave. 10A Glendale, CA 91203 Reza Fard (818) 662-8055</p>	<p style="text-align: center;">\$981,090.00</p>	<p style="text-align: center;"><u>Start</u> 4/2/2018 <u>Completion</u> 5/30/2018</p>
<p><u>FY 2018 Gravity Pipeline CIPP Lining Rehabilitation Project</u> Clean & CCTV 7,410 LF of 8", 12" 14" & 15-Inch sanitary sewer, Point repairs, top hats, manhole rehab.</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p style="text-align: center;">\$ 667,998.00</p>	<p style="text-align: center;"><u>Start</u> 5/21/2018 <u>Completion</u> 9/30/2018</p>
<p><u>South Monrovia Renewal South Area Infrastructure Improvements</u> Clean & CCTV 2,850 LF of 6", 8" & 15-Inch sanitary sewer, Point repairs, top hats, sectional lining.</p>	<p>Sequel Contractors, Inc 13546 Imperial Hwy., Santa Fe Springs, CA 90670</p>	<p style="text-align: center;">\$ 215,569.00</p>	<p style="text-align: center;"><u>Start</u> 6/1/2018 <u>Completion</u> TBD</p>
<p><u>Pipeline Rehabilitation AK-1</u> Clean & CCTV, SPR/CIPP Lining of 29,295 LF of 8-Inch sanitary sewer and installation of 497 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$993,200.00</p>	<p style="text-align: center;"><u>Start</u> 5/14/2018 <u>Completion</u> TBD</p>
<p><u>Cal State San Bernardino Sewer Lining Quote</u> Clean & CCTV, SPR/CIPP Lining of 380 LF of 6-Inch and 10-Inch sanitary sewer.</p>	<p>W.A. Rasic Construction Company, Inc. 4150 Long Beach Blvd. Long Beach, CA 90807 Keith Fouts (562) 928-6111</p>	<p style="text-align: center;">\$35,700.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>City of San Diego - Water and Sewer Group 966</u> Clean & CCTV 3,462LF, SPR/CIPP Lining of 477 LF of 12-Inch sanitary sewer and installation of 2 Top Hats</p>	<p>El Cajon Grading & Engineering Co. Inc P.O. Box 967 Lakeside, Ca 92040 Wendy Frisch (619) 561-9840</p>	<p style="text-align: center;">\$49,355.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>8-Inch Sanitary Sewer Rehabilitation</u> Clean & CCTV 640 LF, CIPP Lining of 640 LF of 8-Inch sanitary sewer and Top Hats</p>	<p>City of Carlsbad 1200 Carlsbad Village Drive Carlsbad, CA 92008 Don Wasco (619) 561-9840</p>	<p style="text-align: center;">\$49,355.00</p>	<p style="text-align: center;"><u>Start</u> 6/22/2018 <u>Completion</u> 6/25/2018</p>
<p><u>Lining of IVY Glenn Drive Storm Drain Facilities</u> Clean & CCTV 1,200LF, CIPP Lining of 1,200 LF of 18-Inch storm drain.</p>	<p>City of Laguna Niguel, Public Works Department 30111 Crown Valley Pkwy Laguna Niguel, CA 92677 JC Herrera (949) 362-4337</p>	<p style="text-align: center;">\$95,000.00</p>	<p style="text-align: center;"><u>Start</u> 5/2/2018 <u>Completion</u> 6/15/2018</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Country Club Infiltration Project</u> Clean & CCTV 2,620LF, CIPP Lining of 2,620 LF of 18", 24", 36" 42" & 48-Inch storm drain. Point Repairs Dewatering.</p>	<p>City of Coronado 1825 Strand Way, Coronado, CA 92118 Katherine Odiorne (619) 522-2424</p>	<p>\$1,370,000.00</p>	<p><u>Start</u> 5/21/2018 <u>Completion</u> TBD</p>
<p><u>City of San Joaquin - Sewer Collection System Improvements Project</u> Clean & CCTV 17,585 LF of 6', 8", 10", 12" & 16-Inch sanitary sewer, Rehabilitate 17,585 LF various diameters sanitary sewer with cured in place liner.</p>	<p>Rolfe Construction 3573 Southern Pacific Ave Atwater, CA 95301 Jorge C. Avelar (209) 358-5548</p>	<p>\$598,972.50</p>	<p><u>Start</u> 8/1/2018 <u>Completion</u> TBD</p>
<p><u>El Cajon Sewer & Storm Drain Repair & Replacement</u> Clean & CCTV 8,589 LF of 6-inch to 60-Inch sanitary sewer & storm drain, Rehabilitate 8,589 LF various diameters sanitary sewer and storm drain with cured in place liner.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$701,604.00</p>	<p><u>Start</u> 6/11/2018 <u>Completion</u> TBD</p>
<p><u>San Rafael Storm Drain (Lindaro Pump Station)</u> Clean & CCTV 250LF, CIPP Lining of 250 LF of 24-Inch storm drain. Point Repairs Dewatering.</p>	<p>Terra Pacific Group 201 N. Civic Drive, Suite 135 Walnut Creek, CA 94596 Pat Barrese (925) 667-7464</p>	<p>\$202,750.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Caltrans 12-0Q7504 Culvert Repair</u> Clean & CCTV 1,730 LF of 18", 24" & 30-Inch storm drain, Rehabilitate 18", 24" & 30-inch storm drain with CIPP lining system.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$199,140.00</p>	<p><u>Start</u> 9/17/2018 <u>Completion</u> TBD</p>
<p><u>Lake Helix Sewer Rehabilitation</u> Clean & CCTV 344 LF of 8 cast-iron sanitary sewer, Rehabilitate with CIPP lining system.</p>	<p>City of La Mesa 8130 Allison Avenue La Mesa CA, 91942 Casey Crown (619) 667-1380</p>	<p>\$48,422.00</p>	<p><u>Start</u> 7/17/2018 <u>Completion</u> 8/31/2018</p>
<p><u>Sanitary Sewer Rehab and Replacement Prgm Project 1</u> Clean & CCTV 10,594 LF of 8", 10" & 12" sanitary sewer, UV Sectionals & Top Hats, Rehabilitate with CIPP lining system.</p>	<p>City of Long Beach 333 W. Ocean Blvd./7th Floor Long Beach, CA 90802 Valeri Karakanov (562) 570-2331</p>	<p>\$575,000.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>RFP - Sewer Cured in Place Pipe Repairs 2018</u> Clean & CCTV 3,308 LF of 8" & 10" sanitary sewer, Top Hats, Rehabilitate with CIPP lining system.</p>	<p>Padre Dam Municipal Water District 9300 Fanita Parkway Santee, CA 719003 (619) 258-4635</p>	<p>\$200,003.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>Santa Barbara – Anacapa St 8” Emergency</u> Clean & CCTV 290 LF of 8” sanitary sewer. Rehabilitate with SPR lining system.</p>	<p>City of Santa Barbara Public Works 630 Garden Street Santa Barbara, CA 93101 Bradley Rahrer (619) 258-4635</p>	<p>\$36,270.00</p>	<p><u>Start</u> 6/19/2018 <u>Completion</u> 6/19/2018</p>
<p><u>CalTrans 07-3W9704 -105 Freeway</u> Clean & CCTV 1,320 LF of 18”, 24”, 30” & 36” CMP storm drain. Rehabilitate with CIPP lining system.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$227,790.00</p>	<p><u>Start</u> 8/7/2018 <u>Completion</u> TBD</p>
<p><u>2018 Sewer Main Rehabilitation Project</u> Clean & CCTV 14,425 LF of 8” & 10” rehabilitate sanitary sewer with CIPP lining system.</p>	<p>Ojai Valley Sanitary District 1072 Tico Road Ojai , CA 93023 Jon Turner (805) 658-6800</p>	<p>\$425,000.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>CIP 18-100 CIPP Lining of Sanitary Sewer System</u> Clean & CCTV 30,480 LF of 6”, 8”, 10”, 15” & 18” rehabilitate sanitary sewer with CIPP lining system.</p>	<p>City of Laguna Beach 505 Forest Avenue Laguna Beach, CA 92651 Hannah Johnson (949) 464-6615</p>	<p>\$1,259,748.00</p>	<p><u>Start</u> 9/4/2018 <u>Completion</u> TBD</p>
<p><u>Summerland Emergency 8” Cast Iron Repair</u> Clean & CCTV 150 LF of 8” , rehabilitate sanitary sewer with SPR lining system.</p>	<p>CUSHMAN CONTRACTING CORP. P.O. Box 147 Goleta, California Blair Cushman (805) 964-8661</p>	<p>\$30,025.00</p>	<p><u>Start</u> 8/27/2018 <u>Completion</u> 8/28/2018</p>
<p><u>ESR City of Los Angeles - Bonnie Brae</u> Clean & CCTV 110 LF of 8” sanitary sewer with CIPP lining system.</p>	<p>Pipe Tec 5103 Elton Street Baldwin Park, CA 91706 Tom Vukojevic (626) 222-1998</p>	<p>\$19,060.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Palisades Slip Lining Phase 2</u> Clean & CCTV 2,348 LF of 6” sanitary sewer. Rehabilitate with CIPP lining system and install new manhole structures & cleanouts.</p>	<p>Lake Arrowhead Community Ser PO Box 700 Lake Arrowhead, CA 92352 Scott Schroeder (909) 336-7136</p>	<p>\$366,930.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>AC Water & Sewer Group 1018</u> Clean & CCTV 1,000 LF of 8” sanitary sewer. Rehabilitate 1,953 with CIPP lining system and install UV Top Hats.</p>	<p>Orion Construction Corp. Rob Wilson (760) 597-9660</p>	<p>\$192,402.50</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>City of Vista - Pilot Project Information</u> Clean & CCTV 329 LF of 8" sanitary sewer. Rehabilitate with SPR lining system.</p>	<p>City of Vista 200 Civic Center Drive Vista CA 92804 Elmer Alex (760) 726-1340</p>	<p>\$15,802.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Fulton Road Rehab</u> Clean & CCTV 1,592 LF of 8" sanitary sewer. Rehabilitate with CIPP & SPR lining systems.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$200,525.00</p>	<p><u>Start</u> 6/2/2018 <u>Completion</u> TBD</p>
<p><u>JOC - Sewer Rehab Phase AT-1</u> Clean & CCTV 39,685 LF of 8" sanitary sewer. Rehabilitate with CIPP & SPR lining systems, install 1,023 UV Top Hats & Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$1,907,764.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>CMP Rehabilitation FY 2017-18 Measure P</u> 20,659 LF of 18" to 54" CMP Storm Drain Repairs. Rehabilitate with CIPP & SPR lining systems.</p>	<p>Spiniello Companies William Camp (310) 720-0277</p>	<p>\$1,984,764.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>LACSD Belvedere Trunk Sewer Rehabilitation</u> 10,260 LF of 15", 21" & 24" sanitary sewer. Rehabilitate with CIPP lining systems.</p>	<p>Spiniello Companies William Camp (310) 720-0277</p>	<p>\$1,248,340.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>SKF Gilroy 18th Avenue Sewer Project</u> 797 LF of 12", 14" & 18" sanitary sewer. Rehabilitate with SPR lining systems.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p>\$155,713.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Santa Monica - FY 17/18 Annual Wastewater Main Improvements</u> Clean & CCTV 2,135 LF of 8" sanitary sewer. Rehabilitate with CIPP lining system, install UV Top Hats.</p>	<p>Mike Prlich & Sons Inc. 5103 Elton St Baldwin Park, CA 91706 Lonny Lavin (626) 813-1700</p>	<p>\$156,265.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><u>Vellicitos Rock Springs Sewer Replacement</u> Clean & CCTV 2,701 LF of 8", 12" & 15" sanitary sewer. Rehabilitate 303 LF with CIPP lining system.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$20,814.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><u>JOC - Sewer Rehab Phase AO-1</u> Clean & CCTV 42,800 LF of 8", 10" & 12" sanitary sewer. Rehabilitate with CIPP & SPR lining systems, install 413 UV Top Hats & Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$1,332,009.00</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>
<p><u>Caltrans – State Minor B, Solicitation No. 10A2041</u> Clean & CCTV 85 LF of 18" & 30" storm drain. Rehabilitate with CIPP lining systems, install 85LF & Post Video.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$62,850.00</p>	<p><u>Start</u> <u>May 2019</u> <u>Completion</u> <u>TBD</u></p>
<p><u>(SSRP) H31 Beachwood Drive & Scenic Avenue</u> Clean & CCTV 12,419 LF of 6" & 8" sanitary sewer. Rehabilitate with CIPP lining systems, install 12,419 LF, Top Hats & Post Video.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 Joe Vasilj (626) 480-1442</p>	<p>\$1,120,089.00</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>
<p><u>(SSRP) H31 Beachwood Drive & Scenic Avenue</u> Clean & CCTV 12,419 LF of 6" & 8" sanitary sewer. Rehabilitate with CIPP lining systems, install 12,419 LF, Top Hats & Post Video.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 Joe Vasilj (626) 480-1442</p>	<p>\$1,120,089.00</p>	<p><u>Start</u> <u>TBD</u> <u>Completion</u> <u>TBD</u></p>





Nu-Line Technologies, LLC Project References – CIPP/SPR

Experience by Diameter

Size	2014	2015	2016	2017	2018	2019 WIP*	2020	Total
6"	1,668	4,543	8,249	8,654	36,158	9,519	0	68,791
8"	38,410	44,062	133,915	119,261	99,197	54,669	0	439,514
10"	516	773	4,878	1,250	9,294	2,002	0	18,713
12"	0	1,779	2,607	4,389	2,758	2,464	0	13,997
14"	0	102	448	0	641	221	0	1,412
15"	330	1,222	768	3,368	718	5,829	0	12,235
16"	0	285	0	0	0	1,594	0	1,879
18"	327	962	938	3,425	3,857	1,045	0	10,554
20"	0	0	0	0	1,720	0	0	1,720
21"	0	5,478	309	506	775	2,229	0	9,297
24"	95	952	1,141	2,053	4,038	6,030	0	14,309
27"	0	0	0	0	288	0	0	288
30"	0	656	779	701	1,003	250	0	3,389
33"	0	144	0	0	44	0	0	188
36"	0	40	882	40	1,448	0	0	2,410
39"	0	0	0	190	0	0	0	190
42"	0	61	0	180	1,166	0	0	1,407
48"	0	0	0	0	574	0	0	574
54"	0	0	0	0	214	0	0	214
60"	0	0	542	0	483	0	0	1,025
Total	41,346	61,059	155,456	144,017	164,376	85,852	0	652,106





Education

- Azusa High School, Azusa, CA

Training

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

Jorge Beltran

Superintendent

Professional Experience

Mr. Beltran has over twenty years' experience in the construction, trenchless technology and pipeline rehabilitation industry with a Career progression from a Laborer to Foreman up to a Superintendent. His expertise with the large diameter CIPP and Rib Loc sewer/storm drain lining include extensive knowledge in sewer bypass operations.

Nu-Line Technologies Operations Manager

- Leads scheduling, managing and organization of Nu-Line Technologies, LLC field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

RePipe-California Superintendent

- Responsible for management of crews for the installation of Both CIPP and RibLoc Pipe Rehabilitation Systems.
- Reports to the Operations and Project Managers with regard to Daily construction progress and activities.
- Schedules and manages weekly construction work and man-hours, and reports daily
- Construction hours and progress from lining Foremen and Cutters, to Operations and Accounting.
- Oversee daily bypass and traffic control (set-up, operation, tear-down)
- Provides field technical support, problem solving and Troubleshooting.
- Interaction and contact with City Engineers and Inspectors.
- Works in conjunction with Project Estimator on job walks prior To project bid.

**Preussag Pipe Rehabilitation, Inc.
Superintendent**

Management of crews for the installation of the RibLoc Pipe Rehabilitation System.

- Reported construction progress and activities.
- Managed weekly schedules.
- Provides field technical support, problem solving and Troubleshooting.
- Worked directly with project managers

**G.B. Cooke Pipeline Rehabilitation
Installation Supervisor**

- Responsibility for the supervision and scheduling of crews.
- Schedule projects, complete daily reports, complete employee time sheets, run projects and complete yearly employee evaluations.

**Insituform, Southwest
Installation Supervisor**

- Responsibility for the supervision and scheduling of crews.
- Schedule projects, complete daily reports, complete employee time sheets, run projects and complete yearly employee evaluations.
- Began employment as a Laborer and was promoted to a Supervisor.



Education

- Lynwood High School, Lynwood, CA

Training

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

Cesar Magana

Foreman

Professional Experience

Mr. Magana has over six years' experience in the construction, trenchless technology and pipeline rehabilitation industry, with a Career progression from a Laborer to Foreman. His expertise is with CIPP sewer/storm drain lining and includes extensive knowledge in sewer bypass operations.

Nu-Line Technologies Foreman

- Leads scheduling, managing, and organization of Nu-Line Technologies CIPP installation field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assists GM and Estimator with Project Estimates for bids.
- Analyzes and solves all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develops and implements sewer bypass systems.
- Identifies, initiates, and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

RePipe-California Laborer/Driver

- Responsible for the installation of CIPP Pipe Rehabilitation Systems.
- Oversaw daily bypass and traffic control (set-up, operation, and tear-down).

Kenny Construction Foreman

- Management of crews for the installation of the CIPP Pipe Rehabilitation System.
- Reported construction progress and activities.
- Managed weekly schedules.
- Provide field technical support, problem solving, and troubleshooting.
- Worked directly with project managers

RePipe-California Laborer/Driver

- Responsible for the installation of CIPP Pipe Rehabilitation Systems.
- Oversaw daily bypass and traffic control (set-up, operation, and tear-down).



Education

- Covina High School

Training

- Confined Space Training
- CCTV, Lateral Cutting and Chemical Grouting

Fernando Uribe

*CCTV/Cutter Operator
West Coast Region*

Professional Experience

With Over ten years' experience in the construction and pipeline rehabilitation industry, Mr. Uribe has progressed from a Technician, Supervisor and Superintendent in the Rib Loc, Cured-In-Place, and Fold & Form pipelining methods. Additionally he has successfully trained CCTV and Cutter operators for Burtech Pipeline.

Nu-Line Technologies, LLC Cutter/CCTV Operator

Oversee Cutting and CCTV Crew
Operation and maintenance of Cues equipment
Development and training of new employees.
Continuing education and research for development of efficiencies for lateral cutting.
Investigation, development and training of new technologies.

Repipe-California Cutter/CCTV Operator

CCTV, Cutting and Lateral Grouting
Operation and maintenance of Cues equipment
Development and training of new employees.
Continuing education and research for development of efficiencies for lateral cutting.
Investigation, development and training of new technologies.

Preussag Pipe Rehabilitation, Inc. Cutter/CCTV Operator

Operation and maintenance of Cues equipment.
Coordination of the Training for new technicians.
Research and development for efficiency of lateral cutting.



Education

- Serrano High School – Phelan, CA

Training

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

Joe Zilius

Foreman

Professional Experience

Mr. Zilius has over fifteen years' experience in the construction, trenchless technology and pipeline rehabilitation industry with a Career progression from a Laborer to Foreman. His expertise is with both CIPP and Spiral Wound Lining systems in sewer/storm drain lining include extensive knowledge in sewer bypass operations.

Nu-Line Technologies Foreman

- Responsible for management of crews for the installation of both CIPP and RibLoc Pipe Rehabilitation Systems
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

Arizona Pipeline Laborer

- Responsible for management of crews for the installation of dig and replace pipeline systems.
- Oversee daily bypass and traffic control (set-up, operation, and tear-down)
- Provides field technical support, problem solving and troubleshooting.



Education

- Rio Hondo Community College
- Arroyo High School, El Monte, CA

Training

- Small Crane Truck Certificate
- Commercial Class A Drivers License,
- Forklift certification.

Certifications

- 1995 Employee of the Year –Insituform Southwest.

Frank Durazo

*Operations Manager
West Coast Region*

Professional Experience

Mr. Durazo has over twenty years' experience in the trenchless technology industry with experience in Cured-In-Place and Rib Loc pipelining processes including CIPP Wetout. Using his expertise he has progressed from a supervisor to Warehouse Foreman and was promoted to the position of Project Manager.

Nu-Line Technologies Operations Manager

- Leads scheduling, managing and organization of Burtech Pipeline field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

Repipe-California, Inc., Ontario, CA Operations Manager

- Leads scheduling, managing and organization of Repipe-CA field activities.
- Provides technical and project approach guidance to Repipe-CA field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

Repipe-California, Inc. Ontario, CA Project Manager/Project Scheduler

- Responsible for scheduling and ordering of all lining materials, wet-out and delivery.
- Manage multiple CIPP and Rib Loc projects simultaneously from \$100k to \$2.5M.
- Review of job costs to ensure profitable projects.
- Prepare submittals, schedules, cost estimates, and interact with clients and contractors
- Assist GM and Estimator with Project Estimates for bids

**Repipe-California, Inc, Santa Ana, CA
Warehouse Foreman/Project Scheduler**

- Responsible for scheduling and ordering of all lining materials, wet-out and delivery.
- Maintain and repair of all Repipe-CA construction equipment and vehicles, management of all inventory and job-related materials, ordering of equipment materials and supplies, assistance to field as required on-site with Rib Loc, or CIPP installations, and establishment and maintenance of warehouse operations.
- Identify and negotiate with new suppliers
- Performs as the acting Safety Director and assures that OSHA safety compliance is adhered to in the field, corporate office and within the warehouse environment.

**Preussag Pipe Rehabilitation
Warehouse Foreman**

- Responsible for the maintenance and repair of all PPR construction equipment and vehicles, management of all inventory and job-related materials, ordering of equipment materials and supplies, assistance to field as required on-site with RibLoc, or CIPP installations, and establishment and maintenance of warehouse operations.
- Responsible for resourcing equipment and material vendors.
- Mechanical assistance to jobsite and field personnel.
- Oversee Driver Vehicle Inspection Reports and Driver Daily Logs for DOT Bit Inspections and coordinates quarterly maintenance for corporate fleet in preparation of DOT bit inspections.
- Performs as the acting Safety Director and assures that OSHA safety compliance is adhered to in the field, corporate office and within the warehouse environment.

**National Liner-West, Gardena, CA
Installation Supervisor**

- Supervision of the impregnation and installation for Cured-In-Place trenchless lining system for the Western Region of the United States.
- Installation Supervisor for 10 crewmembers for the U-Liner Fold and Form Lining System.
- Additional responsibilities included daily reporting to inspectors from various cities and counties, purchasing and ordering of equipment and materials and scheduling of equipment and personnel for projects.

**Cooke Pipeline Rehabilitation
Installation Supervisor**

- Supervision for the impregnation and installation procedures for Cured-In-Place trenchless pipeliners and the Ultra-Liner Fold and Form System pipelining system.
- Acted as Purchasing Agent for equipment and materials for the jobsites and was responsible for bypass planning and traffic control setup.

**Insituform, Southwest
Installation Supervisor**

- Responsible for the impregnation procedure for the trenchless Cured-In-Place Lining System.
- Responsible for job scheduling; personnel and equipment, purchasing and ordering of materials and field sample testing and reporting.

Senior Welder

- Responsible for welding and fabrication of equipment for the snack food industry.
- Additional responsibilities included blueprint design, research and development for prototypes.



20520 Unico Road
McKenney, VA 23872
804.451.3667

January 15, 2015

To Whom it may concern:

Hector Mora is certified and approved by Ferratex Inc. as a boiler technician. He has vast experience in the installation and curing of Ferratex products.

Sincerely,

Gerhardt Rodenberger



October 29, 2017

To Whom It May Concern:

This letter is to certify that the following licensee of Sekisui SPR Americas LLC has been trained and certified to install SPR-EX spiral wound liners.

Nuline Technologies – Effective date – November 2015

With the license, the customer has purchased equipment as well as completed a training course on the proper installation method of SPR-EX spiral wound rehabilitation process.

Kind Regards,

Joseph P. Dominguez
Sr. Technical Services Engineer,
Sekisui SPR Americas LLC



August 14, 2015

Nu-Line Technologies, LLC
102 Second Street
Encinitas, CA 92024

CERTIFICATE OF INSTALLER

To Whom It May Concern:

This certificate verifies that **Nu-Line Technologies, LLC** has received all necessary Training for the preparation and installation procedures for the **Cosmic "TOPHAT" Lateral connection & Short liner spot repair sealing systems.** Nu-Line Technologies, LLC has been certified since January 2015.

If there are any questions, please contact Chris Scarratt at information listed below.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Scarratt", is written over a light blue circular stamp.

Chris Scarratt
Cosmic Engineering GmbH

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

10/02/20
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. In Appendix N- Lateral Spreadsheet and the Plan Sheets- There are some laterals that say Top Hat & Rehab Lateral and some that say Top Hat Installed Only (Sewer Lateral Connection). I have not fully counted but appears to be about 60% are Top Hat & Rehab lateral and 40% the other. What does this mean? The bid items call for 980 Service Lateral Connections "Top Hats" and also 980 Sewer Lateral, combined, Service Lateral Rehab with Cleanout. Are there 980 Service Lateral Connection "Top Hats" and 980 laterals for Rehab and a Cleanout? Or are the bid items incorrect and there are +/- 40% that are Top Hat Only?
- A1. In Appendix N-Lateral Spreadsheet & Plan Sheet- There are 457 (47%) sewer laterals that require top hat installations only because they are within an Condo/Townhome/HOA area which makes them considered private up to the City sewer main. There are 523 (53%) that require sewer lateral rehabilitation and top hat connection. The total top hats on the project is 980 total for Service Lateral Connections. See revised quantities for those bid items per this addendum.
- Q2. For bid item 41, are these potholes in the street, sidewalk, front lawns? There are no utilities shown on the plans.
- A2. Per SSP 402-8, "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.

- Q3. We would like to request that the Prime Contractor Self Performance Minimum be reduced to 30%, as done on previous projects with this scope of work. If the Prime minimum is not lower, it limits the amount of potential bidders. There are three major trades, Mainline CIPP, Lateral Rehab, Digging Lateral Cleanouts, as well as Paving items, Concrete items, etc.
- A3. The self performance shall remain at 50%.
- Q4. Bid Item 4- Archaeological and Native American Monitoring Program- This shows 7,000 LF in the bid schedule. Where is this to occur? How is 7,000 LF Calculated? This isn't a project with 7,000' of sewer line open trench in a row. The digging is done in 4x4 pits, is this 16 LF or only 4 LF, which are around a location that has already been dug. On this type of project, this can be a larger cost, as Contractor may technically only be getting 25' per day, at a cost of \$800 per day for the monitor archaeologist.
- A4. Archaeological and Native American Monitoring shall occur at locations where excavation is required within the community areas listed in Appendix A: Addendum to Mitigated Negative Declaration, which includes the following scope: point repairs, cleanout installation, sewer lateral replacement, and sewer manhole installation/replacement. The 7,000 LF was calculated by including the linear footage for point repairs. See schematic maps (Appendix G) and spreadsheets (Appendix L) to view point repair locations.
- Q5. Bid Items 11 and 12- RPMS- Where is this to occur?
- A5. Rubber Polymer Modified Slurry (RPMS) Type I 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).
- Q6. Bid Item 10- Subgrade Imported Backfill- Is this expected at all Point Repair and new Manhole locations? Does the City have a Geo Report, so contractor can see where this may be needed, instead of native. This is a larger quantity than normal on previous projects similar to this.
- A6. See revised quantity for "Subgrade Imported Backfill" per this addendum. Exact areas that require subgrade imported backfill are not known at this time. No geotechnical report was completed as part of this project.

- Q7. Bid Item 18- Removal of Median- Where is this to occur? It is a Lump Sum item. What is the required removal?
- A7. Bid Item for "Removal of Median" will occur within the intersection of Carmel Valley Rd & Del Mar Scenic Py, see Appendix H- Curb Ramp Map, curb ramps #6-9. Appendix H - Curb Ramp Map sheet has been revised to show location of work. See also payment reference per this addendum.
- Q8. Bid Item 19- Cross Gutter- Where is this to occur?
- A8. Bid Item for "Cross Gutter" occurs within the intersection of Condesa Drive & 8th Street, see Appendix H- Curb Ramp Map, curb ramps #2-3.
- Q9. Bid Item 20- Residential Concrete Driveway- Where is this to occur?
- A9. Bid Item for "Residential Concrete Driveway" occurs along Mira Montana Drive where there are point repairs within the existing sewer pipeline beneath the sidewalk. See Appendix G, Site Map #7.

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 **\$4,960,000.**

D. SUPPLEMENTARY SPECIAL PROVISIONS

1. To SECTION 3, CONTROL OF THE WORK, Subsection 3-15.3, Coordination, page 44, item 3, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 3. Del Mar Hills Academy: Point of Contact for coordination and school hours would be the Principal or representative at (858) 755-9763. Working hours for the proposed work on Map 7 are either during night work 9:00 p.m. to 5:00 a.m. or when school is not in session. Del Mar Union School District-Del Mar Hills Academy is located at 14085 Mango Drive, Del Mar, CA 92014.

2. To SECTION 3, CONTROL OF THE WORK, Subsection 3-15.3, Coordination, page 44, **ADD** the following:
 5. Boys & Girls Clubs of San Dieguito: Point of Contact for coordination and organization hours would be Joe McLeod or representative at (858) 436-7508. Working hours for the proposed work on Map 7 are either during night work 9:00 p.m. to 5:00 a.m. or when the organization is not in session. Boys & Girls Clubs of San Dieguito is located at 14085 Mango Drive, Del Mar, CA 92014.
3. To Supplementary Special Provisions, **ADD** the following:

SECTION 401 – REMOVAL

401-7 Payment. To the "WHITEBOOK", ADD the following:

7. The Lump Sum Bid item for "Removal of Median" shall include payment for all median work necessary identified in Appendix H within the intersection of Carmel Valley Rd & Del Mar Scenic for Curb Ramps 6 through 9. This includes removal and disposal of median, adjustment of irrigation system, removal of vegetation, removal and replacement of curb, and removal and re-installation of traffic sign as required. No additional payments shall be made for this Work.
4. To Appendices, Appendix H, Curb Ramp Map, page 162, **DELETE** in its entirety and **SUBSTITUTE** with page 8 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
Main Bid	237310	Subgrade Imported Backfill	TON	<u>131</u> 245
Main Bid	237110	Cleaning and Video Inspection of Existing Laterals	LF EA	<u>29,400</u> 980

Section	Item Code	Description	UoM	Quantity
Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	LF	40,623 <u>70,023</u>
Main Bid	237110	4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth	EA	111 <u>106</u>
Main Bid	237110	4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth	EA	853 <u>401</u>
Alternate A	237110	Video Inspection of Pipelines and Culverts for Acceptance (Appendix Q)	LF	2,351 <u>4,049</u>

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *October 22, 2020*
San Diego, California

JN/RWB/mlw

City of San Diego

CITY CONTACT: Taylor Cox, Contract Specialist, Email: TJCox@sandiego.gov
Phone No. (619) 533-3033

ADDENDUM B



FOR

PIPELINE REHABILITATION AY-1

BID NO.: K-21-1957-DBB-3
SAP NO. (WBS/IO/CC): B-18212
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 1,2
PROJECT TYPE: JA

BID DUE DATE:

2:00 PM
NOVEMBER 19, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

B. BIDDER'S QUESTIONS

- Q1. Appendix M identifies work to be completed regarding sewer manholes. Five of these manholes are to be rehabbed w/point repair but there is no Line Item on the Bid Schedule for this scope of work. Is "Manhole w/ Point Repair" supposed to be included with Line Item 52 "Rehabilitate Existing Manhole"? If so, the QTY should be 32.
- A1. The quantity provided within the bid list for Rehabilitate Existing Manhole is correct. The five manholes w/Point Repairs bid description named "Manhole (PVC Lined, 5ft X3ft)" has been replaced with an updated bid item name "Rehabilitate Existing Manhole with Cured-in-Place Manhole Liner".
- Q2. Which 5 manholes are included in Line Item 28. "Manholes (PVC Lined, 5ft X 3 ft)"
- A2. See response to Q1. The 5 manholes to be rehabbed with point repairs are: MH86, MH85, MH95, MH105, and MH 104. These manholes are shown and described in Appendix G-Site Maps 12 & 14 and Appendix M- Sewer Manhole Pipeline Rehabilitation AY-1 Spreadsheet.
- Q3. Base Bid Item 28 Manholes (PVC Lined, 5ft x 3ft) of 5 EA; Is the City's intent to install Remove & Replace existing Manholes with a New 5' diameter Manholes with Lining? I found no manholes with this description on the included Site Maps.
- A3. See response to #Q1.
- Q4. On Appendix M, I found 5EA Manhole Rehab w/ Point Repair. What Bid Item will this fall in?
- A4. See response to #Q1.

- Q5. Where does the City anticipate 7000 LF of Bid Item 4 Archaeological & Native American Monitoring?
- A5. See response to Addendum A, Q4.
- Q6. City Bid Item 51 Service Lateral Connection; Is this the pay item for 4" diameter Top Hats? If so, Bid Items 53 & 55 only add up to 507 EA, where's the rest of the 980 EA quantity on Bid Item 51?
- A6. The 980 quantity bid item for "Service Lateral Connection" includes payment for the total 523 Top Hats required for 4" and 6" service lateral rehabilitation Work. The remaining 457 quantity for "Service Lateral Connection" is for top hats/sealing installations only in the designated private areas as described in Addendum A, Q1.
- Q7. How about the 6" Top Hats? Can the City ADD a Bid Item for 6" Top Hats to match the 6" laterals on Bid Items 54 & 56 of 16 EA?
- A7. The Bid item for "Service Lateral Connection" includes the quantities and payment for all top hats and sealing required. No additional Bid item shall be provided.

C. ADDITIONAL CHANGES

1. The following are additional changes to the Line Items in the PlanetBids Tab:

For clarity where applicable, **ADDITIONS**, if any, have been Underlined and **DELETIONS**, if any, have been ~~Stricken out~~.

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	237110	Manholes (PVC Lined 5 ft x 3 ft) Rehabilitate Existing Manhole with cured-in-place Manhole Liner	EA	5	306-16.6 502-5.6.1

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *November 4, 2020*
San Diego, California

JN/RWB/BR

Bid Results**Bidder Details**

Vendor Name Burtech Pipeline Incorporated
Address 102 Second Street
 Encinitas, CA 92024
 United States

Respondee DOMINIC J. BURTECH
Respondee Title PRESIDENT & CEO
Phone 760-634-2822 Ext.
Email buddy@burtechpipeline.com
Vendor Type PQUAL,CADIR,Local
License # 718202
CADIR 1000006324

Bid Detail

Bid Format Electronic
Submitted November 19, 2020 1:35:39 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 233277
Ranking 0

Respondee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
Contractors Certiifcation of Pending Actions	Contractors Certiifcation of Pending Actions.pdf	CONTRACTORS CERTIFICATION OF PENDING ACTIONS
Mandatory Disclosure of Business Interests	Mandatory Disclosure of Business Interests Form.pdf	MANDATORY DISCLOSURE OF BUSINESS INTERESTS
Debarment and Suspension Certification Prime	Debarment and Suspension Certification Prime.pdf	DEBARMENT AND SUSPENSION CERTIFICATION (PRIME)
Debarment and Suspension Certification Subs	Debarment and Suspension Certification Subs.pdf	DEBARMENT AND SUSPENSION CERTIFICATION (SUBS)
Contractors Experience & Past Project Document	Contractors Experience & Past Project Documentations.pdf	CONTRACTORS EXPERIENCE AND PAST PROJECT DOCUMENTATION
Manufacturer Authorized Installer Certs	AY-1 Manufacturer Authorized Installer Certification.pdf	MANUFACTURER AUTHORIZED INSTALLER CERTIFICATION
Subcontractor Add Deduct Alternate	Subcontractor Add Deduct Alternate.pdf	ALTERNATE SUBCONTRACTORS FORM
Bid Bond	Bid Bond K-21-1957-DBB-3.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
	Main Bid					

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
1	Bonds (Payment and Performance)					
	524126	LS	1	\$30,000.00	\$30,000.00	
2	Remote Control Camera Inspection (EOC Type II)					
	334290	AL	1	\$20,000.00	\$20,000.00	
3	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$2,500.00	\$2,500.00	
4	Archaeological and Native American Monitoring Program					
	541690	LF	7000	\$1.00	\$7,000.00	
5	Suspension of Work - Resources					
	541690	DAY	5	\$1.00	\$5.00	
6	Archaeological and Native American Mitigation and Curation (EOC Type I)					
	541690	AL	1	\$15,000.00	\$15,000.00	
7	Mobilization					
	237110	LS	1	\$121,244.35	\$121,244.35	
8	Field Orders (EOC Type II)					
		AL	1	\$157,000.00	\$157,000.00	
9	Asphalt Pavement Repair					
	237310	TON	22	\$2.00	\$44.00	
10	Subgrade Imported Backfill					
	237310	TON	131	\$2.00	\$262.00	
11	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	420	\$12.00	\$5,040.00	
12	Rubber Polymer Modified Slurry (RPMS) Type II					
	237310	SF	420	\$12.00	\$5,040.00	
13	Pavement Restoration Adjacent to Trench					
	237310	SF	140	\$1.00	\$140.00	
14	Crack Seal					
	237310	LB	7	\$150.00	\$1,050.00	
15	Remove and Replace Existing Sidewalk					
	237310	SF	586	\$15.00	\$8,790.00	
16	Additional Curb and Gutter Removal and Replacement					
	237310	LF	380	\$1.00	\$380.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
17	Additional Sidewalk Removal and Replacement					
	237310	SF	293	\$12.00	\$3,516.00	
18	Removal of Median					
	237310	LS	1	\$100.00	\$100.00	
19	Cross Gutter					
	237310	SF	896	\$5.00	\$4,480.00	
20	Residential Concrete Driveway					
	237310	SF	185	\$16.10	\$2,978.50	
21	Curb Ramp (Type C1) with Spandrel and Stainless Steel Detectable Warning Tiles					
	237310	EA	2	\$7,200.00	\$14,400.00	
22	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles					
	237310	EA	9	\$3,300.00	\$29,700.00	
23	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles					
	237310	EA	6	\$3,550.00	\$21,300.00	
24	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles					
	237310	EA	4	\$3,550.00	\$14,200.00	
25	Additional Bedding					
	237110	CY	4	\$1.00	\$4.00	
26	Temporary Resurfacing					
	237310	TON	8	\$200.00	\$1,600.00	
27	Manholes (5 ft x 3 ft)					
	237110	EA	13	\$12,000.00	\$156,000.00	
28	Rehabilitate Existing Manhole with cured-in-place Manhole Liner					
	237110	EA	5	\$7,765.00	\$38,825.00	
29	Connection to Existing Manhole and Rechanneling					
	237110	EA	4	\$500.00	\$2,000.00	
30	Sewer Lateral and Cleanout (4 - Inch, Street)					
	237110	EA	16	\$2,000.00	\$32,000.00	
31	Sewer Lateral and Cleanout (6 - Inch, Street)					
	237110	EA	1	\$4,000.00	\$4,000.00	
32	Sewer Lateral and Cleanout (4 - Inch, Alley)					
	237110	EA	1	\$1,000.00	\$1,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
33	Sewer Main Cleanout					
	237110	EA	34	\$4,500.00	\$153,000.00	
34	Cleaning and Video Inspection of Existing Pipelines and Culverts					
	237110	LF	40623	\$1.00	\$40,623.00	
35	Cleaning and Video Inspection of Existing Laterals					
	237110	LF	29400	\$1.00	\$29,400.00	
36	Video Inspection of Pipelines and Culverts for Acceptance					
	237110	LF	70023	\$0.70	\$49,016.10	
37	Removal and Replacement of Existing Paint Striping					
	237310	LS	1	\$2,500.00	\$2,500.00	
38	Removal and Replacement of Existing Thermoplastic Striping and Markings					
	237310	LS	1	\$2,500.00	\$2,500.00	
39	Continental Crosswalks					
	237310	SF	5670	\$2.85	\$16,159.50	
40	Video Recording of Existing Conditions					
	238990	LS	1	\$3,000.00	\$3,000.00	
41	Potholing Existing Utilities Not Shown on Plans (Depth up to 7 Feet)					
	237110	EA	47	\$460.00	\$21,620.00	
42	Adjust Existing Manhole Frame and Cover to Grade					
	237310	EA	13	\$1.00	\$13.00	
43	Adjust Existing Gate Valve Frame and Cover to Grade					
	237310	EA	6	\$1.00	\$6.00	
44	Adjust Existing Survey Monument to Grade					
	237310	EA	2	\$1.00	\$2.00	
45	Point Repair for Existing Sewer Main (8 - Inch)					
	237110	EA	14	\$2,000.00	\$28,000.00	
46	Point Repair for Existing Sewer Main (10 - Inch)					
	237110	EA	2	\$5,000.00	\$10,000.00	
47	Additional Point Repair for Existing Sewer Main (8 - Inch)					
	237110	LF	40	\$100.00	\$4,000.00	
48	Additional Point Repair for Existing Sewer Main (10 - Inch)					
	237110	LF	40	\$100.00	\$4,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
49	Rehabilitate Sewer Main (8 - Inch)					
	237110	LF	38350	\$21.50	\$824,525.00	
50	Rehabilitate Sewer Main (10 - Inch)					
	237110	LF	2273	\$24.00	\$54,552.00	
51	Service Lateral Connection					
	237110	EA	980	\$750.00	\$735,000.00	
52	Rehabilitate Existing Manhole					
	237110	EA	27	\$1,785.00	\$48,195.00	
53	4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth					
	237110	EA	106	\$1,700.00	\$180,200.00	
54	6" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth					
	237110	EA	7	\$1,800.00	\$12,600.00	
55	4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth					
	237110	EA	401	\$1,200.00	\$481,200.00	
56	6" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth					
	237110	EA	9	\$1,300.00	\$11,700.00	
57	Traffic Control and Working Drawings					
	541330	LS	1	\$10,000.00	\$10,000.00	
58	WPCP Development					
	541330	LS	1	\$1,000.00	\$1,000.00	
59	WPCP Implementation					
	237310	LS	1	\$10,000.00	\$10,000.00	
				Subtotal	\$3,432,410.45	
	Alternate A					
60	Manholes (5 FT x 3 FT) (Appendix Q)					
	237110	EA	1	\$12,000.00	\$12,000.00	
61	Sewer Lateral and Cleanout (4- Inch, Street) (Appendix Q)					
	237110	EA	2	\$2,000.00	\$4,000.00	
62	Sewer Main Cleanout (Appendix Q)					
	237110	EA	3	\$5,000.00	\$15,000.00	
63	Cleaning and Video Inspection of Existing Pipelines and Culverts (Appendix Q)					
	237110	LF	2351	\$1.00	\$2,351.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
64	Cleaning and Video Inspection of Existing Laterals (Appendix Q)					
	237110	LF	1698	\$1.00	\$1,698.00	
65	Video Inspection of Pipelines and Culverts for Acceptance (Appendix Q)					
	237110	LF	4049	\$0.70	\$2,834.30	
66	Point Repair for Existing Sewer Main (8 - Inch) (Appendix Q)					
	237110	EA	2	\$2,000.00	\$4,000.00	
67	Additional Point Repair for Existing Sewer Main (8- Inch) (Appendix Q)					
	237110	LF	40	\$100.00	\$4,000.00	
68	Rehabilitate Sewer Main (8 - Inch) (Appendix Q)					
	237110	LF	1328	\$21.25	\$28,220.00	
69	Rehabilitate Sewer Main (10 - Inch) (Appendix Q)					
	237110	LF	1023	\$24.75	\$25,319.25	
70	Service Lateral Connection (Appendix Q)					
	237110	EA	60	\$750.00	\$45,000.00	
71	Rehabilitate Existing Manhole (Appendix Q)					
	237110	EA	11	\$1,075.00	\$11,825.00	
72	4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (Appendix Q)					
	237110	EA	27	\$1,700.00	\$45,900.00	
73	4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (Appendix Q)					
	237110	EA	33	\$1,200.00	\$39,600.00	
74	Rubber Polymer Modified Slurry (RPMS) Type I (Appendix Q)					
	237310	SF	235	\$12.00	\$2,820.00	
75	Rubber Polymer Modified Slurry (RPMS) Type II (Appendix Q)					
	237310	SF	235	\$12.00	\$2,820.00	
76	Asphalt Pavement Repair (Appendix Q)					
	237310	TON	2	\$1.00	\$2.00	
77	Biological Monitoring and Reporting (Appendix Q)					
	541330	LS	1	\$200.00	\$200.00	
Subtotal					\$247,589.55	
Total					\$3,680,000.00	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
Sancon Technologies, Inc. 5841 Engineer Drive Huntington Beach , CA 92649 United States	Constructor - BI# 28 Cured- In-Place Manhole Liner	774055	1000008879	\$38,825.00	CAU,MALE,CADIR
Rectrucking inc 1128 2nd ave Chula vista, CA 91911 United States	Constructir - Trucking DMV MCP CA# 439696	DMV MCP CA# 439696	1000040647	\$25,000.00	ELBE,LAT,MALE

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Piperin Corporation 510 Venture Street Escondido, CA 92029 United States	Constructor - BI# 27 Manholes, Bid Items 45-48 Sewer Main Point Repairs	964028	1000000485	\$252,600.00	SLBE,CADIR,PQUAL
Zebron P.O. Box 2874 Newport Beach, CA 92659 United States	Constructor - BI #52 Rehabilitate existing Manhole	855170	1000004993	\$48,195.00	
Loveless Linton, Inc. Archaeological 1421 W. Lewis St San Diego, CA 92103 United States	Constructor - Archeological and Native American Monitoring Program, Mitigation and Curation	ELBE	1000047263	\$63,580.00	NAT,MALE,DBE,MBE,CADIR,SDB
Jerusalem Construction, Inc. DBA Miramar General Engineering 1827 Cleveland Ave National City, CA 91950 United States	Constructor - Curb Ramps, Concrete Works, AC Pavement Repair, Subgrade Import Backfill, Temp AC and Adjusting Covers to Grade	1009541	1000033057	\$167,607.00	CADIR,ELBE,PQUAL
Nu-Line Technologies, LLC 102 Second Street, Suite B Encinitas, CA 92024 United States	Constructor - Rehabilitation of Sewer Mains, Cleaning and Video Inspection of existing Sewer Mains, Final CCTV of Sewer Mains.	997520	1000003808	\$899,388.50	FEM,MBE,CADIR,WBE,PQUAL
CODE 3 Media 663 S Rancho Santa Fe Suite 177 San Marcos, CA 92078 United States	Constructor - Video Recording of existing Conditions	FAA 3930297	1000055028	\$1,530.00	ELBE
McGrath Consulting PO Box 2488 El Cajon, CA 92021 United States	Designer - WPCP Development	ELBE	1000037165	\$600.00	
payco specialties, inc 120 North Second Avenue Chula Vista, CA 91910 United States	Constructor - Striping, Markings and Continental Crosswalks	298637	1000003515	\$21,159.50	DBE, MBE, WBE

Section	Item Code	Description	Reference	Unit of Measure	Quantity	Burtech Pipeline Incorporated - Unit Price	Burtech Pipeline Incorporated - Line
Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$30,000.00	\$30,000.00
Main Bid	334290	Remote Control Camera Inspection (EOC Type II)	3-5.1.6	AL	1	\$20,000.00	\$20,000.00
Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	3-12.5.4	LS	1	\$2,500.00	\$2,500.00
Main Bid	541690	Archaeological and Native American Monitoring Program	6-6.2.1.1	LF	7000	\$1.00	\$7,000.00
Main Bid	541690	Suspension of Work - Resources	6-6.2.1.1 OR 6-6.2.2.1	DAY	5	\$1.00	\$5.00
Main Bid	541690	Archaeological and Native American Mitigation and Curation (EOC Type I)	6-6.2.3.1	AL	1	\$15,000.00	\$15,000.00
Main Bid	237110	Mobilization	7-3.4.1	LS	1	\$121,244.35	\$121,244.35
Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$157,000.00	\$157,000.00
Main Bid	237310	Asphalt Pavement Repair	301-1.7	TON	22	\$2.00	\$44.00
Main Bid	237310	Subgrade Imported Backfill	301-1.7	TON	131	\$2.00	\$262.00
Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	420	\$12.00	\$5,040.00
Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	420	\$12.00	\$5,040.00
Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	140	\$1.00	\$140.00
Main Bid	237310	Crack Seal	302-15.5	LB	7	\$150.00	\$1,050.00
Main Bid	237310	Remove and Replace Existing Sidewalk	303-5.9	SF	586	\$15.00	\$8,790.00
Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	380	\$1.00	\$380.00
Main Bid	237310	Additional Sidewalk Removal and Replacement	303-5.9	SF	293	\$12.00	\$3,516.00
Main Bid	237310	Removal of Median	401-7	LS	1	\$100.00	\$100.00
Main Bid	237310	Cross Gutter	303-5.9	SF	896	\$5.00	\$4,480.00
Main Bid	237310	Residential Concrete Driveway	303-5.9	SF	185	\$16.10	\$2,978.50
Main Bid	237310	Curb Ramp (Type C1) with Spandrel and Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	2	\$7,200.00	\$14,400.00
Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	9	\$3,300.00	\$29,700.00
Main Bid	237310	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	6	\$3,550.00	\$21,300.00
Main Bid	237310	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	4	\$3,550.00	\$14,200.00
Main Bid	237110	Additional Bedding	306-15.1	CY	4	\$1.00	\$4.00
Main Bid	237310	Temporary Resurfacing	306-15.9	TON	8	\$200.00	\$1,600.00
Main Bid	237110	Manholes (5 ft x 3 ft)	306-16.6	EA	13	\$12,000.00	\$156,000.00

Main Bid	237110	Rehabilitate Existing Manhole with cured-in-place Manhole Liner	502-5.6.1	EA	5	\$7,765.00	\$38,825.00
Main Bid	237110	Connection to Existing Manhole and Rechanneling	306-16.6	EA	4	\$500.00	\$2,000.00
Main Bid	237110	Sewer Lateral and Cleanout (4 - Inch, Street)	306-17.2	EA	16	\$2,000.00	\$32,000.00
Main Bid	237110	Sewer Lateral and Cleanout (6 - Inch, Street)	306-17.2	EA	1	\$4,000.00	\$4,000.00
Main Bid	237110	Sewer Lateral and Cleanout (4 - Inch, Alley)	306-17.2	EA	1	\$1,000.00	\$1,000.00
Main Bid	237110	Sewer Main Cleanout	306-17.2	EA	34	\$4,500.00	\$153,000.00
Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	40623	\$1.00	\$40,623.00
Main Bid	237110	Cleaning and Video Inspection of Existing Laterals	306-18.7	LF	29400	\$1.00	\$29,400.00
Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	70023	\$0.70	\$49,016.10
Main Bid	237310	Removal and Replacement of Existing Paint Striping	314-4.3.7	LS	1	\$2,500.00	\$2,500.00
Main Bid	237310	Removal and Replacement of Existing Thermoplastic Striping and Markings	314-4.4.6	LS	1	\$2,500.00	\$2,500.00
Main Bid	237310	Continental Crosswalks	314-4.4.6	SF	5670	\$2.85	\$16,159.50
Main Bid	238990	Video Recording of Existing Conditions	400-1.1.1	LS	1	\$3,000.00	\$3,000.00
Main Bid	237110	Potholing Existing Utilities Not Shown on Plans (Depth up to 7 Feet)	402-8	EA	47	\$460.00	\$21,620.00
Main Bid	237310	Adjust Existing Manhole Frame and Cover to Grade	403-5	EA	13	\$1.00	\$13.00
Main Bid	237310	Adjust Existing Gate Valve Frame and Cover to Grade	403-5	EA	6	\$1.00	\$6.00
Main Bid	237310	Adjust Existing Survey Monument to Grade	403-5	EA	2	\$1.00	\$2.00
Main Bid	237110	Point Repair for Existing Sewer Main (8 - Inch)	500-4.7	EA	14	\$2,000.00	\$28,000.00
Main Bid	237110	Point Repair for Existing Sewer Main (10 - Inch)	500-4.7	EA	2	\$5,000.00	\$10,000.00
Main Bid	237110	Additional Point Repair for Existing Sewer Main (8 - Inch)	500-4.7	LF	40	\$100.00	\$4,000.00
Main Bid	237110	Additional Point Repair for Existing Sewer Main (10 - Inch)	500-4.7	LF	40	\$100.00	\$4,000.00
Main Bid	237110	Rehabilitate Sewer Main (8 - Inch)	500-12	LF	38350	\$21.50	\$824,525.00
Main Bid	237110	Rehabilitate Sewer Main (10 - Inch)	500-12	LF	2273	\$24.00	\$54,552.00
Main Bid	237110	Service Lateral Connection	501-9	EA	980	\$750.00	\$735,000.00
Main Bid	237110	Rehabilitate Existing Manhole	502-8	EA	27	\$1,785.00	\$48,195.00
Main Bid	237110	4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth	503-6	EA	106	\$1,700.00	\$180,200.00
Main Bid	237110	6" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth	503-6	EA	7	\$1,800.00	\$12,600.00

Main Bid	237110	4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth	503-6	EA	401	\$1,200.00	\$481,200.00
Main Bid	237110	6" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth	503-6	EA	9	\$1,300.00	\$11,700.00
Main Bid	541330	Traffic Control and Working Drawings	601-7	LS	1	\$10,000.00	\$10,000.00
Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$1,000.00	\$1,000.00
Main Bid	237310	WPCP Implementation	1001-4.2	LS	1	\$10,000.00	\$10,000.00
							\$3,432,410.45
Alternate A	237110	Manholes (5 FT x 3 FT) (Appendix Q)	306-16.6	EA	1	\$12,000.00	\$12,000.00
Alternate A	237110	Sewer Lateral and Cleanout (4- Inch, Street) (Appendix Q)	306-17.2	EA	2	\$2,000.00	\$4,000.00
Alternate A	237110	Sewer Main Cleanout (Appendix Q)	306-17.2	EA	3	\$5,000.00	\$15,000.00
Alternate A	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts (Appendix Q)	306-18.7	LF	2351	\$1.00	\$2,351.00
Alternate A	237110	Cleaning and Video Inspection of Existing Laterals (Appendix Q)	306-18.7	LF	1698	\$1.00	\$1,698.00
Alternate A	237110	Video Inspection of Pipelines and Culverts for Acceptance (Appendix Q)	306-18.7	LF	4049	\$0.70	\$2,834.30
Alternate A	237110	Point Repair for Existing Sewer Main (8 - Inch) (Appendix Q)	500-4.7	EA	2	\$2,000.00	\$4,000.00
Alternate A	237110	Additional Point Repair for Existing Sewer Main (8- Inch) (Appendix Q)	500-4.7	LF	40	\$100.00	\$4,000.00
Alternate A	237110	Rehabilitate Sewer Main (8 - Inch) (Appendix Q)	500-12	LF	1328	\$21.25	\$28,220.00
Alternate A	237110	Rehabilitate Sewer Main (10 - Inch) (Appendix Q)	500-12	LF	1023	\$24.75	\$25,319.25
Alternate A	237110	Service Lateral Connection (Appendix Q)	501-9	EA	60	\$750.00	\$45,000.00
Alternate A	237110	Rehabilitate Existing Manhole (Appendix Q)	502-8	EA	11	\$1,075.00	\$11,825.00
Alternate A	237110	4" Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (Appendix Q)	503-6	EA	27	\$1,700.00	\$45,900.00
Alternate A	237110	4" Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (Appendix Q)	503-6	EA	33	\$1,200.00	\$39,600.00
Alternate A	237310	Rubber Polymer Modified Slurry (RPMS) Type I (Appendix Q)	302-4.12.4	SF	235	\$12.00	\$2,820.00
Alternate A	237310	Rubber Polymer Modified Slurry (RPMS) Type II (Appendix Q)	302-4.12.4	SF	235	\$12.00	\$2,820.00
Alternate A	237310	Asphalt Pavement Repair (Appendix Q)	301-1.7	TON	2	\$1.00	\$2.00

