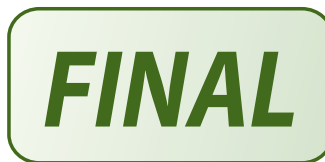


City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless, Corp.
ADDRESS: 22118 S. Vermont Ave. Torrance, CA 90502
TELEPHONE NO.: 310-329-8717 Ex. 104 **FAX NO.:**
CITY CONTACT: Antoinette Sanfilippo, Contract Specialist, **Email:** ASanfilippo@sandiego.gov
Phone No. (619) 533-3439, **Fax No.** (619) 533-3633
R. Owen / A. Jaro / ss

BIDDING DOCUMENTS



FOR

PIPELINE REHABILITATION AN-1

BID NO.: K-18-1708-DBB-3
SAP NO. (WBS/IO/CC): B-16135
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 7
PROJECT TYPE: JA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

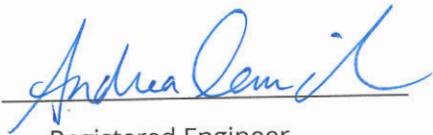
- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:

2:00 PM
FEBRUARY 22, 2018
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101

DEPUTY CITY ENGINEER

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



Registered Engineer
For City Engineer



Date

Seal:



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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 AN-1**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$5,341,000**.
4. **BID DUE DATE AND TIME ARE: February 22, 2018 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification(s) are required for this contract: **A or 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	5.1%
2. ELBE participation	10.2%
3. Total mandatory participation	15.3%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
 - 7.2.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on 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.

8. PRE-BID MEETING:

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

Date: FEBRUARY 8, 2018
Time: 10:00 AM
Location: 1010 Second Avenue, Suite 1400, San Diego, CA 92101

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

9. AWARD PROCESS:

9.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.

9.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening. The City will then award the Contract within approximately 14 days of receipt of properly signed Contract, bonds, and insurance documents.

9.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.

9.4. The low Bid will be determined by Base Bid alone.

9.5. Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone; or for the Base bid plus one or more alternates.

10. SUBMISSION OF QUESTIONS:

10.1. The Director (or Designee) of the Public Works Department is responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:

Public Works Contracts
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Antoinette Sanfilippo

OR:

ASanfilippo@sandiego.gov

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

11. PHASED FUNDING: For Phased Funding Conditions, see Attachment B.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

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

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

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- 1.3. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [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 and electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.

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

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

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

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

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

9. INSURANCE REQUIREMENTS:

- 9.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 9.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

10. REFERENCE STANDARDS: Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2015	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2015	PWPI070116-02
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2016	PWPI070116-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2016	PWPI092816-04
California Department of Transportation (CALTRANS) Standard Specifications - http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-05
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-06
California Manual on Uniform Traffic Control Devices Revision 1 (CA MUTCD Rev 1) - http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPI092816-07
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

11. CITY'S RESPONSES AND ADDENDA: The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.

- 12. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- 13. CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
- 14. SUBCONTRACTOR INFORMATION:**
- 14.1. LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.
- 14.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the

listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

- 14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 16. AWARD:**
- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 17. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
- 19. 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

- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
- 21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 21.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.
- 22. AWARD OF CONTRACT OR REJECTION OF BIDS:**
- 22.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 22.3.** The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.

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

23. BID RESULTS:

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

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

- 24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 26.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 26.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 26.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.

- 26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

27. PRE-AWARD ACTIVITIES:

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

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southwest Pipeline and Trenchless, Corp., a corporation, as principal, and Liberty Mutual 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 Nine Hundred Seventy-One Thousand Four Hundred Fifty-Six Dollars and Forty Cents (\$3,971,456.40)** for the faithful performance of the annexed contract, and in the sum of **Three Million Nine Hundred Seventy-One Thousand Four Hundred Fifty-Six Dollars and Forty Cents (\$3,971,456.40)** 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.

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

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

Dated April 10, 2018

Approved as to Form

Southwest Pipeline and Trenchless Corp.

Principal

By 

JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMG

Printed Name SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

Liberty Mutual Insurance Company

Surety

By 

Noemi Quiroz, Attorney-in-fact

Approved:

By 

Stephen Samara
Principal Contract Specialist
Public Works Department

790 The City Drive South Ste 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

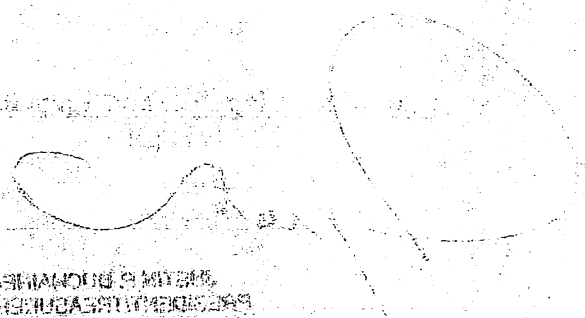
(714) 634-5720

Local Telephone No. of Surety

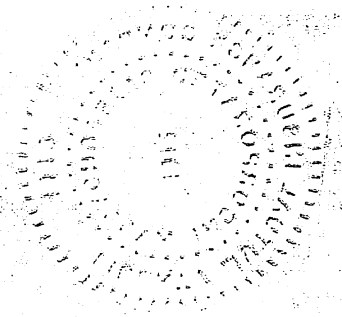
Premium \$ 30,234.00

Bond No. 024233237

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WASHINGTON STATE
DEPARTMENT OF
CORRECTIONS
PRISONERS



Handwritten signature or initials, possibly "MOK", located in the lower middle section of the page.

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)
) ss
County of Los Angeles)

On APR 10 2018, before me, Lisa L. Thornton, Notary Public, personally appeared Noemi Quiroz, 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: 
Lisa L. Thornton, Notary Public

(Seal)

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: The City of San Diego

Surety Bond Number: 024233237 Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 6th day of March, 2017.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company
By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of March, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 10th day of April, 2018.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

- 1. SCOPE OF WORK:** The rehabilitation of approximately 40,412 linear feet of existing sewer main, replacing 717 linear feet of existing sewer main, rehabilitation of 1,062 sewer laterals with clean outs, rehabilitation of 86 existing manholes and replacing 5 existing manholes. It also includes; the installation of 32 new sewer main clean outs. All this work will be done in City right of ways in the Community of Navajo, Council District 7.
 - 1.1.** The work shall be performed in accordance with:
 - 1.1.1.** The Notice Inviting Bids and Appendix L, Exhibit plan maps numbered 1 through 44, inclusive.
- 2. ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$5,341,000.**
- 3. LOCATION OF WORK: The location of the Work is as follows:**
See **Appendix E, Location Map.**
- 4. CONTRACT TIME:** The Contract Time for completion of the Work shall be **358 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 9-3, "PAYMENT.
- 1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:
 - 1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

2. POST-AWARD

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

PHASED FUNDING SCHEDULE AGREEMENT

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

BID NUMBER: K-18-1708-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AN-1

CONTRACTOR: Southwest Pipeline and Trenchless, Corp.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Rehabilitation of 2.1 mi of Sewer Main and the associated Laterals	6/18/18	11/30/18	\$1,100,000.00
2	Rehabilitation of 5.7 mi of Sewer Main and the associated laterals	12/1/18	NOC	\$2,871,456.40
3				
Contract Total				\$3,971,456.40

Notes:

- 1) WHITEBOOK section 9-3.6, "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: J Lindsay
Construction Manager

Signature: [Signature]

Date: 5/15/18

PRINT NAME: Regan Oweh
Project Manager

Signature: [Signature]

Date: 5/7/18

CONTRACTOR

PRINT NAME: Luis Salcedo

Title: Project Manager

Signature: [Signature]

Date: 5/7/18

ATTACHMENT C
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ATTACHMENT D
PREVAILING WAGES

PREVAILING WAGES

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.

- 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.

- 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.

- 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.

- 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 – 1861.

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

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

1.12. Exemptions for Small Projects. There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

1.12.1. Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)

1.12.2. Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).

1.12.3. List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

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

- 1-2 TERMS AND DEFINITIONS.** To the "WHITEBOOK", item 54, "Normal Working Hours", ADD the following:

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

SECTION 2 - SCOPE AND CONTROL OF WORK

- 2-3.2 Self Performance.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least **50%** of the base Bid and **50%** of any alternates.

**ADD:
2-10**

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

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

- 2-14.3 Coordination.** To the "WHITEBOOK", ADD the following:

2. Other adjacent City projects are scheduled for construction for the same time period. See Adjacent Conflicts Projects Map **Appendix F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) San Carlos Storm Drain Replacement Project, Project Mgr. Alejandra Gonzalez, wk. ph. 619-533-5155.

- b) Slurry Seal Group 1502 Project, Project Mgr. MD Rahman, wk. ph. 619-527-8073.
- c) FY 14 Overlay JOC 2, Project Mgr. Chris Hudson, wk. ph. 619-527-8081.
- d) AC Overlay Group 1502, Project Mgr. Brian Wang, wk. ph. 619-527-7638.
- e) Navajo Storm Drain Replacement Project, Project Mgr. Ronak Rekani wk. ph. 619-533-6647.

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

SECTION 3 – CHANGES IN WORK

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

**ADD:
3-5.1**

Claims.

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

3-5.1.1 **Initiation of Claim.**

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

3-5.1.1.1 Claim Certification Submittal.

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

3-5.1.2 Initial Determination.

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

3-5.1.3 Settlement Meeting.

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

3-5.1.7 City's Final Determination.

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

3-5.1.8 Mandatory Assistance.

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

3-5.1.8.1 Compensation for Mandatory Assistance.

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

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

1. A single mediator, knowledgeable in construction aspects and acceptable to both parties, shall be used to mediate the dispute.
2. To initiate mediation, the initiating party shall serve a Request for Mediation at the American Arbitration Association (AAA) on the opposing party.
3. If AAA is used, the initiating party shall concurrently file with AAA a "Request for Mediation" along with the appropriate fees, a copy of requested mediators marked in preference order, and a preference for available dates.
4. If AAA is selected to coordinate the mediation (Administrator), within 10 Working Days from the receipt of the initiating party's Request for Mediation, the opposing party shall file the following:
 - a) A copy of the list of the preferred mediators listed in preference order after striking any mediators to which they have any objection.
 - b) A preference for available dates.
 - c) Appropriate fees.
5. If the parties cannot agree on a mediator, then each party shall select a mediator and those mediators shall select the neutral third party to mediate the matter.

3-5.3 Forum of Litigation. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. It is the express intention that all legal actions and proceedings related to the Contract or Agreement with the City or to any rights or any relationship between the parties arising therefrom shall be solely and exclusively initiated and maintained in courts of the State of California for the County of San Diego.

SECTION 4 - CONTROL OF MATERIALS

4-1.3.3 Inspection of Items Not Locally Produced. To the "WHITEBOOK", DELETE in its entirety.

ADD:

4-1.3.3 Inspection of Items Not Locally Produced. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. When you intend to purchase materials, fabricated products, or equipment from sources located more than 200 miles (321.9 km) outside the geographical limits of the City, City Lab staff or a qualified inspection agency approved by the Engineer, shall be engaged at your expense to inspect the materials, equipment, or process.
2. This approval shall be obtained before producing any material or equipment. City Lab staff or inspector shall evaluate the materials for conformance with the requirements of the Plans and Specifications. You shall forward reports required by the Engineer. No materials or equipment shall be shipped nor shall any processing, fabrication or treatment of such materials be done without proper inspection by City Lab staff or the approved agent. Approval by said agent shall not relieve you of responsibility for complying with the requirements of the Contract Documents.
3. The Engineer may elect City Lab staff to perform inspection of an out-of-town manufacturer. You shall incur additional inspection costs of the Engineer including lodging, meals, and incidental expenses based on Federal Per Diem Rates, along with travel and car rental expenses. If the manufacturing plant operates a double shift, a double shift shall be figured in the inspection costs.
 - a) At the option of the Engineer, full time inspection shall continue for the length of the manufacturing period. If the manufacturing period will exceed 3 consecutive weeks, you shall incur additional inspection expenses of the Engineer's supervisor for a trip of 2 Days to the site per month.
 - b) When the Engineer elects City Lab staff to perform out-of-town inspections, the wages of staff employed by the City shall not be part of the additional inspection expenses paid by you.
 - c) Federal Per Diem Rates can be determined at the location below:

<https://www.gsa.gov/portal/content/104877>

4-1.3.5 Special Inspection. To the "WHITEBOOK", ADD the following:

5. The payment for special inspection Work specified under this section shall be paid in accordance with 4-1.3.4.1, "Payment".

4-1.3.6 Preapproved Materials. To the "WHITEBOOK", ADD the following:

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

4-1.6 Trade Names or Equals. To the "WHITEBOOK", ADD the following:

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

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

SECTION 5 - UTILITIES

5-2 PROTECTION. To the "WHITEBOOK", item 2, ADD the following:

- g) Refer to **Appendix J** for more information on the protection of AMI devices.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-1.1 Construction Schedule. To the "WHITEBOOK", item 22, subsection b, DELETE in its entirety and SUBSTITUTE with the following:

- b) A curve value percentage comparison between the Contract Price and the updated cash flow forecast for each Project ID included in the Contract Documents. Curve values shall be set on a scale from 0% to 100% in intervals of 5% of the Contract Time. Refer to the Sample City Invoice materials in the Contract Documents and use the format shown. Your invoice amounts shall be supported by this curve value percentage. For previous periods, use the actual values and percentages and update the curve value percentages accordingly.

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 here:

No trenching work within 100ft of MHPA from February 01 Through September 15 to avoid the General Avian Breeding Season.

For street resurfacing moratoriums, see Adjacent Conflict Projects Map in Appendix F and scope of work sheets.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AN-1**, Project No. **B-16135.02.06** as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.

2. Compliance with the City's environmental document shall be included in the Contract Price.

6-7.1 TIME OF COMPLETION. To the "WHITEBOOK", ADD the following:

4. You shall complete 6.71 miles of sewer main work with the lateral reinstatements and replacements as verified by the Engineer by 05/30/19. You shall also complete all remaining miles of sewer main work with the lateral reinstatements and replacements as verified by the Engineer by 05/30/20. Additionally, all remaining Work as part of this project, including lateral lining and post-lining CCTV video, shall be completed within the remaining number of Working Days.

6-7.1 General. To the "WHITEBOOK", item 3, ADD the following:

- d) 30 Days for full depth asphalt final mill and resurfacing work required per SDG-107.

6-8.3 Warranty. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date that the Work was accepted by the City. Additionally, you shall warranty the Work against all latent and patent defects for a period of 10 years.

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

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

7-3 INSURANCE.

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

7-3.1 Policies and Procedures.

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in

accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.

4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

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

<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

7-3.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or

later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").

2. All costs of defense shall be outside the limits of the policy.

7-3.2.3 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.

7-3.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

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

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

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

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

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

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials,

officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

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

7-3.5.2 Commercial Automobile Liability Insurance.

7-3.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 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.

7-3.5.3.2 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.

7-3.5.3.3 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.

7-3.6 Deductibles and Self-Insured Retentions. You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

7-3.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

7-3.8 Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

7-3.9 Excess Insurance. Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

7-4 NOT USED. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

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

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

2. Limits for this insurance shall be not less than the following:

<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.

7-4.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

ADD:

7-6 THE CONTRACTORS REPRESENTATIVE. To the "GREENBOOK", ADD the following:

1. Both the representative and alternative representative shall be employees of the Contractor and shall not be assigned to a Subcontractor unless otherwise approved by the City in writing.

7-8.1 General. To the "WHITEBOOK", ADD the following:

2. Use a PM-10 certified self-loading motorized street sweeper equipped with a functional water spray system for this project as directed by the Engineer.

7-8.6 Water Pollution Control. To the "WHITEBOOK", ADD the following:

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

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

2. Virtual Project Manager shall be used on this Contract.

7-21.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

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

SECTION 9 - MEASUREMENT AND PAYMENT

9-3.2 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.

SECTION 203 – BITUMINOUS MATERIALS

203-3.4.4 Rubber Polymer Modified Slurry (RPMS). To the "WHITEBOOK", DELETE in its entirety.

203-3.4.4.1 General. To the "WHITEBOOK", DELETE in its entirety.

ADD:

203-3.4.4.1 General. To the "GREENBOOK", paragraph (2), ADD the following:

- e) Crumb rubber shall be a product of recycled material from the City if unavailable from the San Diego County region.

ADD:

203-5.6 Rubber Polymer Modified Slurry (RPMS).

203-5.6.1 General.

1. Rubber polymer modified slurry (RPMS) is a crumb rubber asphalt slurry-seal surface treatment. RPMS shall be a stable mixture of asphaltic emulsion, mineral aggregate, set-control additives, specially produced and graded crumb rubber, polymer, mineral fillers, carbon black, and water. The materials for RPMS shall conform to 203-5.4, "Emulsion-Aggregate Slurry (EAS)" and these specifications. Mixing and spreading of RPMS shall be as described in 302-4.12, "Rubber Polymer Modified Slurry (RPMS)".
2. RPMS shall be used for this Contract.

203-5.6.2 Materials.

1. The ingredients of RPMS immediately prior to the mixing shall conform to the following:
 - a) Asphaltic emulsion shall be a quick-set type and shall conform to the requirements of CQS-1h and to the following requirements in accordance with the specified test methods:

Quality Tests for Emulsion	Test	Requirements
AASHTO T59	Residue after Distillation	60% min.
ASTM D244		
Quality Tests for Residue	Test	Requirements
AASHTO T49	Penetration at 77° F (25° C)	40% - 90%
ASTM D2397		

- b) Quick setting Type CQS-1h Asphaltic Emulsion shall test positive for Particle Charge when tested in accordance with the applicable ASTM test designation. If the Particle Charge Test result is inconclusive, the asphaltic emulsion shall meet a pH requirement of 6.7 maximum.
- c) Water shall be potable and of such quality that the asphalt will not separate from the emulsion before the application of slurry seal.
- d) If necessary for workability, a set-control agent that will not adversely affect the RPMS material may be added.
- e) Polymer additive shall be SBR Latex or approved equal, which is added at a minimum of 2% by weight of the asphaltic emulsion.
- f) Crumb Rubber.
 - i. Crumb rubber shall be ambient granulated or ground from whole passenger tires, truck tires, or a combination only in conformance with the requirements indicated in Tables 203-5.6.2 (A), 203-5.6.2 (B), and 203-5.6.2 (C).
 - ii. Un-curing or de-vulcanized rubber shall not be acceptable. Rubber tire buffing from either recapping or manufacturing processes may not be used as a supplement to the crumb rubber mixture.

- iii. In order to remove steel and fabric, an initial separation stage which subjects the rubber to freezing temperatures may be used.
- iv. The crumb rubber shall not be elongated or hair-like in shape and individual particles shall not be greater than 1/20 of an inch in length.
- v. The crumb rubber shall be free of contaminants including fiber, metal, and mineral matter within the following tolerances: the fiber content shall be less than 0.30% by weight and the crumb rubber shall be free of metal particles. Metal imbedded in rubber particles shall not be allowed. The amount of mineral contaminants allowed shall not exceed 0.10% by weight.
- vi. The crumb rubber shall be dry with a moisture content of less than 0.75%.

TABLE 203-5.6.2 (A)
CRUMB RUBBER CHEMICAL PROPERTIES SPECIFICATION

Property	Specification Limits
Specific Gravity	1.15 ± .05
Percent of Carbon Black	35.0 Maximum
Percent of Rubber Hydrocarbon	55.0 Maximum
Percent Ash	6.0 Maximum
Percent of Acetone Extract	10.0 Maximum
Percent of Chloroform Extract	3.0 Maximum
Percent Natural Rubber	40 Minimum

TABLE 203-5.6.2 (B)

CRUMB RUBBER GRADATION REQUIREMENTS

Sieve Size	Percent Passing
No. 30	100
No. 40	90 - 100
No. 50	75 - 85
No. 100	25 - 35
No. 200	0 - 10

TABLE 203-5.6.2 (C)

TESTING METHODS FOR CRUMB RUBBER ANALYSIS

Property	Test Method
Specific Gravity	ASTM D1817
Carbon Black	ASTM D297
Ash	ASTM D297
Chloroform Extract	ASTM D297
Natural/Synthetic Rubber	ASTM D297
Sieve Analysis	ASTM C136

- vii. Carbon black solution shall be non-ionic in charge and liquid in form. The carbon black shall be compatible with the emulsion system, polymers, and additives being used and shall conform to the requirements indicated in 203-5.6.2 (D) and ASTM D1511.

TABLE 203-5.6.2 (D)

Specification	Tolerances
Total Solids	40 - 44
% Black by Weight	35 - 37
Type Black	Medium Furnace Color
Type Dispersing	Non-ionic

- viii. Additives may be used to accelerate or retard the break-set of the RPMS. The use of additives shall be in quantities specified in the mix design.
- ix. Mineral filler such as Portland cement, hydrated lime, limestone dust, fly ash, or other approved filler meeting the requirements of ASTM D242 shall be used if required by the mix design and may be used to facilitate set times as needed. Any cement used shall be considered as part of the dry aggregate weight for mix design purposes.
- x. The mineral aggregate used shall be the type and grade specified for the particular Type of RPMS. The aggregate shall be manufactured crushed stone such as granite, slang, limestone, chat, other high quality aggregate, or a combination thereof. Aggregate shall consist of rock dust except that 100% of any aggregate of combination of aggregates larger than the

No. 50 sieve size used in the mix shall be obtained by crushing rock. The material shall be free from vegetable matter and other deleterious substances. The aggregate shall be free of caked lumps and oversized particles. The aggregate shall also conform to the following requirements in Table 203-5.6.2 (E).

TABLE 203-5.6.2 (E)

Test	California Test	Requirements
Sand Equivalent	217	45 min.
Durability Index	229	55 min.

- xi. Crumb rubber shall be a product of recycled material from the City if unavailable from the San Diego County region.

203-5.6.3 Composition and Grading.

1. The percentage composition by weight of the aggregate shall conform to the requirements indicated in the tables below when determined by California Test 202 and modified by California Test 105 when there is a difference in specific gravity of 0.20 or more between blends of different aggregates.

TABLE 203-5.6.3 (A)

TYPE I SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.4	100	± 5%
No.8	90 - 100	± 5%
No.16	65 - 90	± 5%
No.30	40 - 60	± 5%
No.50	25 - 42	± 4%
No.200	10 - 20	± 2%

TABLE 203-5.6.3 (B)

TYPE II SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.3/8	100	± 5%
No.4	90 - 100	± 5%
No.8	65 - 90	± 5%
No.16	45 - 70	± 5%
No.30	30 - 50	± 5%
No.50	18 - 36	± 4%

Sieve Size	Percentage Passing	Stockpile Tolerance
No.100	10 - 24	± 3%
No.200	5 - 15	± 2%

TABLE 203-5.6.3 (C)
TYPE III SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.3/8	100	± 5%
No.4	70 - 90	± 5%
No.8	45 - 70	± 5%
No.16	28 - 50	± 5%
No.30	19 - 34	± 5%
No.50	12 - 25	± 4%
No.100	7 - 18	± 3%
No.200	5 - 15	± 2%

2. The job mix (target) gradation shall be within the gradation band for the desired type. After the target gradation has been submitted, the percent passing each sieve shall not be more than the stockpile tolerance.
3. The aggregate shall be accepted at the Site or stockpile. The stockpile shall be accepted based on 5 gradation tests according to California Test 202, modified by California Test 105 when there is a difference in specific gravity of 0.2 or more between blends of different aggregates. If the average of the 5 tests is within the gradation tolerances, then the material will be accepted. If the test shows the material to be out, you may choose to remove the material or blend other aggregates with the stockpile material to bring it into compliance with these specifications. Materials used in blending shall meet the quality test before blending and shall be blended in a manner to produce a consistent gradation.
4. When the results of either the Aggregate Grading or the Sand Equivalent test do not conform to the requirements specified, the aggregate shall be removed. However, if requested in writing and approved by the Engineer, the aggregate may be used and you shall pay to the agency \$1.75 per ton for such aggregate left in place. No single aggregate grading or sand equivalent tests shall represent more than 300 tons or one day's production, whichever is smaller.

203-5.6.4 Mix Design.

1. Before Work begins, you shall submit laboratory reports of mix designs performed in accordance with the tests identified in Table 203-5.6.4 at your expense and shall utilize the specific materials to be used on the project. The design shall be prepared by a laboratory experienced in designing rubber

asphalt slurry-seal surface treatments. After the mix design is approved, no substitution shall be made unless approved by the Engineer. The proposed rubber asphalt slurry-seal surface treatment mix design shall verify compatibility of the aggregate, emulsion, mineral filler, set-control additive, and rubber blend.

TABLE 203-5.6.4

Test	Description	Specification
ISSA T-106	Slurry Seal Consistency	Pass
ISSA TB-109	Excess Asphalt	50 grams/ft ² maximum
ISSA TB-100 (Type I)	The Wet Track Abrasion	50 grams/ ft ² maximum
ISSA TB-100 (Type II)	The Wet Track Abrasion	60 grams/ ft ² maximum
ISSA TB-100 (Type III)	The Wet Track Abrasion	60 grams/ ft ² maximum
ISSA TB-113	Mixing Time	Controllable to 150 seconds minimum
ISSA TB-114	The Wet Stripping	Pass

2. The Mixing Time test shall be done at the highest temperatures expected during construction. The original lab report shall be signed by the laboratory that performed the mix design and shall show the results of the tests on individual materials. The report shall clearly show the proportions of aggregate, mineral filler (minimum and maximum), water (minimum and maximum), additive (s) (usage), asphalt emulsion, and asphalt rubber blend based on the dry weight of the aggregate.
3. Component materials used in the mix design shall be representative of your proposed materials. The percentage of each individual material required shall be shown in the laboratory report. Adjustments may be required during the construction based on field conditions.
4. The component materials shall be within the following limits:
 - a) Residual Asphalt Type I, 10% - 16% based on dry weight of aggregate.
 - b) Residual Asphalt Type II, 7.5% - 13.5% based on dry weight of aggregate.
 - c) Residual Asphalt Type III, 6.5% - 12% based on dry weight of aggregate.
 - d) The crumb rubber will be added to the rubberized slurry mix at a rate of 5% by volume to the asphalt cement.
 - e) Polymer additive shall be added at 2% of finished emulsion.

- f) Carbon Black shall be added at 1.3% to 2% of the finished emulsion.
- g) Mineral filler shall be 0.5% - 2.0% (if required by mix design) based on dry weight of aggregate.
- h) Additives, as needed.
- i) Water, as needed to achieve proper mix consistency (total mix liquids shall not exceed the loose aggregate voids).

SECTION 217 – BEDDING AND BACKFILL MATERIALS

217-2.2 Stones, Boulders, and Broken Concrete. To the “GREENBOOK”, Table 217-2.2, DELETE in its entirety and SUBSTITUTE with the following:

TABLE 217-2.2

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12" (300 mm) below pavement subgrade or ground surface	2.5" (63 mm)	As required by the Plans or Special Provisions.
Street or Surface Zone Backfill of Tunnels beneath Concrete Flatwork		Sand	Sand equivalent of not less than 30.
Trench Zone	From 12" (300 mm) below pavement subgrade or ground surface to 12" (300 mm) above top of pipe or box	6" (150 mm)	
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Over excavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 302 – ROADWAY SURFACING

ADD:

302-4.12.2.1.1 Slurry Treatment.

1. When slurry treatment is required by the Contract Documents, notify the Engineer at least 10 Working Days prior to the first application of slurry. The Engineer, upon assessment of street condition and classification, will verify the slurry type to be applied.

2. Application of sequential layers of slurry shall not commence until approved by the Engineer and until the following have been completed:
 - a) Mix design and wet track abrasion testing for the first-step slurry application has been approved by the Engineer. Unless otherwise directed by the Engineer, this testing may require 4 Working Days from field sampling to reporting of test results to the Engineer.
 - b) Corrective actions have been executed in accordance with 302-4.11.1.2, "Reduction in Payment Based on WTAT" such as reductions in payment, non-payment, or removal of material not meeting specifications, as directed by the Engineer.

302-4.12.4 Measurement and Payment. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The payment for RPMS shall be the total square footage used on the project calculated using the method described and shall be paid under the following Bid items:

BID DESCRIPTION	UNIT
Rubber Polymer Modified Slurry (RPMS) Type I	SF
Rubber Polymer Modified Slurry (RPMS) Type II	SF
Rubber Polymer Modified Slurry (RPMS) Type III	SF
Rubber Polymer Modified Slurry (RPMS) Type I (Bike Lane)	SF

The Bid items for RPMS shall include full compensation for the specified surface preparation not included in other Bid items and shall include the Work necessary to construct the RPMS as specified on the Plans. Sweeping, removals, and furnishing the aggregate required for the mix design shall also be included in this Bid item.

302-5.9 Measurement and Payment. To the "WHITEBOOK", item 2, DELETE in its entirety.

SECTION 304 -METAL FABRICATION AND CONSTRUCTION

304-5 PAYMENT. To the "WHITEBOOK", REVISE section "304-5" to "304-6".

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-6.5.1 General. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. For PVC water pipes:
 - a) Bedding material shall:
 - i. Either be sand, crushed aggregate, or native free-draining granular material.
 - ii. 100% of the bedding material shall pass the no. 4 sieve and shall have an expansion when saturated with water of not more than 0.5%.
 - iii. Have a sand equivalent of SE 50. SE 30 or higher may be substituted for SE 50 as bedding material if all of the following requirements are met:
 - The top of the pipe and haunch areas are mechanically compacted by means of tamping, vibrating roller, or other mechanical tamper.
 - Equipment is of size and type approved by the Engineer.
 - 90% relative compaction or better is achieved.
 - b) When jetting, care shall be exercised to avoid floating of the pipe.
2. PVC sewer pipes shall be bedded in 3/8 inch (9.5 mm) or 1/2 inch (12.5 mm) crushed rock in accordance with 200-1.2, “Crushed Rock and Rock Dust”. Crushed rock for PVC sewer pipes may contain recycled Portland Cement Concrete and shall conform to gradation requirements for 3/8 inch or 1/2 inch nominal size as shown in Table 200-1.2.1 (A).
3. Storm drains and all types of non-PVC sewer mains shall be bedded in 3/4 inch (19 mm) crushed rock in accordance with 200-1.2, “Crushed Rock and Rock Dust”. Crushed rock for storm drains may contain recycled Portland Cement Concrete and shall conform to gradation requirements for 3/4 inch nominal size as shown in Table 200-1.2.1 (A). Bedding shall be placed to a depth of 4 inches (101.6 mm) below the outside diameter of the pipe or 1 inch (25.4 mm) below the bell of the pipe, whichever is greater.

306-15.2 Shoring and Bracing. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. The Bid item for “Trench Shoring” shall include full compensation for furnishing, installing, maintaining, and removing all sheeting, shoring, or bracing for any conditions encountered that require shoring including the preparation of engineered Shoring Plans in accordance with 7-10.4.2.2, “Shoring Plan”. No additional payment shall be made.

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

314-4.3.7 Payment. To the "GREENBOOK", ADD the following:

1. The payment for the replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of traffic striping, pavement markings, and pavement markers.

314-4.4.6 Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. No separate payment shall be made for establishing alignment for stripes and layout Work.
2. The payment for the thermoplastic traffic striping of continental crosswalks shall be included in the Bid item for "Continental Crosswalks".
3. The payment for the replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of traffic striping, pavement markings, and pavement markers

SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION

500-1.1.2.1 Initial Submittals. To the "WHITEBOOK", ADD the following:

4. Within 3 Working Days of the Bid opening date, the 3 apparent low bidders shall submit the following:
 - a) Contractor's Experience; past project documentation
 - b) Manufacturer Certification
 - c) Authorize Installer Certificates

ADD:

500-1.1.6.1 Order of Work for Rehabilitation Installation.

5. Rehabilitation shall be performed in the following order of Work:
 - a) First: Rehabilitation of Sewer Main, including sampling and testing.
 - b) Second: Installation of Sewer Lateral Connections and End Seals.
 - c) Third: Rehabilitation of Sewer Laterals, including sampling and testing.
6. You shall plan and schedule Work accordingly. Additional payment for demobilization or mobilization and additional Working Days shall not be granted for delays due to the order of rehabilitation Work.

ADD:

500-1.6.1 **General.** To the "WHITEBOOK", item 2, sentence 1, DELETE in its entirety and SUBSTITUTE with the following:

2. The cured-in-place liner shall extend the entire length of the lateral from the access point at the property line to the mainline. The location of the cleanout shall not be modified unless approved in writing by the Engineer.

500-1.6.3 **General.** To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. You shall excavate an access pit at the property line cleanout location. The excavation pit shall be located entirely within the public right-of-way, and shall not encroach into the private property. You shall replace in kind all existing improvements impacted by the installation process.

500-1.6.6 **Payment.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for the service lateral rehabilitation Work of existing sewer laterals, existing cast iron sewer laterals, cleanout installations at the access point, and manual excavations for cleanout pits shall be included in the following Bid items:

Service Lateral Rehabilitation with Cleanout up to 7 Feet in Depth
Service Lateral Rehabilitation with Cleanout Greater than 7 Feet in Depth

These Bid items shall include all necessary labor, materials, and equipment in order to clean, repair, and line the Sewer Lateral. Removal and replacement of concrete and sidewalk panels are included in these Bid Items as required by the Engineer.

2. The point repair Work for sewer laterals shall be in accordance with 500-1.2, "Pipeline Point Repair/Replacement" and shall be included in the Bid item for each "Point Repair for Existing Sewer Lateral". Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft. (2.43 m) or less in length. This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, and inspect the Point Repair.
3. The payment for cleaning and video inspection for rehabilitated laterals shall be paid in accordance with 306-18.7, "Payment".

500-2.4.6 **Primer and Lining Materials.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

ADD:

500-2.4.6 **Chemical Resistance Test (Pickle Jar Test).**

1. Epoxy Lining Systems, Polyurethane and Epoxy Protective Lining Systems shall meet the requirements of 211-2, "Chemical Resistance Test (Pickle Jar Test)".

Proof of meeting these requirements shall be provided to the Engineer for approval at least 15 Days prior to commencement of Work.

2. The epoxy primer materials for the polyurethane lining system shall be 100% solids.
3. The epoxy materials for the epoxy lining system shall be 100% solids.

500-2.4.7 Lining Application. To the "WHITEBOOK", DELETE in its entirety.

500-2.4.8 Test. To the "WHITEBOOK", DELETE in its entirety.

500-2.4.10 Applicable Standards. To the "WHITEBOOK", DELETE in its entirety.

SECTION 600 - ACCESS

ADD:

600-1 GENERAL. To the "WHITEBOOK", item 5, DELETE in its entirety and SUBSTITUTE with the following:

5. If the City's crews are unable to provide the citizens with the mandated services due to your failure to comply with these specifications, you shall collect trash, recyclables, and yard waste on the City's schedule and deliver to the City's designated locations. If you fail to perform this Work, you shall incur additional costs for the City to reschedule pick up of an area.

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

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

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

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

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

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

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

Project Name: Pipeline Rehabilitation AN-1

Project No. / SCH No.: B-16135.02.06

Project Location-Specific: Multiple locations within the San Carlos Neighborhood within the Navajo Community Planning area, in Council District 7: Fontaine St, Formal Ct, Hamlet Ave, Hamlet Ct, Viar Ave, Margerum Ave, Comet View Ct, Gorge View Terr, Quiet Slope Dr, Clear Sky Rd, Cloud View Pl, Milky Way Pt, High Place Dr, Galaxy Ct, Camino Corto, Claremore Ave, Navajo Rd, Park Ridge Blvd, Oakridge Rd, Lynridge Rd, Lynridge Ct, Amberly St, Caminito Del Greco, Caminito Carlotta, Everglades Ave, Melotte St, Golfcrest Dr, Ruane St, Volclay Dr, Volclay Ct., Jennite Dr, Rowena St, Monte Verde Dr, Tuxedo Rd, Stoneview Ct, and Crowley Ct.

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

Description of nature and purpose of the Project: This project involves trenchless rehabilitation of approximately 7.81 miles of existing 8-inch deteriorated sewer mains. It will also include point repairs and pipeline replacement where needed, reconnection of 1,027 service laterals, rehabilitation of 32 manholes, replacement of 12 manholes, repair of 26 manholes, and installation of 34 new cleanouts. All excavation for this work will occur in previously disturbed soils.

The project will implement MHPA Land Use Adjacency guidelines in the four project locations that are less than 100 linear feet away from the MHPA. These four locations are: 1) the east end of Ruane Street, 2) the east end of Tuxedo Road, 3) the east end of Volclay Court, and 4) along Fontaine Street, near Luna Place. The total ground disturbance would be less than one acre.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: Natalie de Freitas, 525 B Street, Suite 750, San Diego, CA, 92117, (619) 533-4603

Exempt Status: (CHECK ONE)

- () Ministerial (Sec. 21080(b)(1); 15268);
- () Declared Emergency (Sec. 21080(b)(3); 15269(a));
- () Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- (X) Categorical Exemption: 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), 15303 (New Construction or Conversion of Small Structures), 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, Sections 15301 which allows for operation, repair, maintenance or minor alteration of existing public structures, facilities, involving negligible or no expansion of use, including publicly owned facilities used to provide sewerage (i.e. pipeline rehabilitation and manhole repair); Section 15302 which allows for replacement and 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 replaces, including replacement or reconstruction of existing utility systems involving negligible or no expansion of capacity (i.e. pipeline replacement); Section 15303 which allows for construction of new, small facilities or structures, including sewage (i.e. new cleanouts); and Section 15304 which allows for minor alteration to the condition of land which does not involve removal of healthy, mature, scenic trees, including minor trenching and backfilling, where the surface is restored (i.e. excavating in trenches); and where the exceptions listed in Section 15300.2 would not apply.

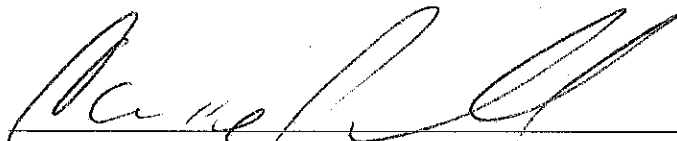
Lead Agency Contact Person: Natalie de Freitas

Telephone: (619) 533-4603

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, Interim Deputy Director

9/25/17

Date

Check One:

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

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

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

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

4. **POLICY**

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

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

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11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ “National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.
- 4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter**
- Process for Issuance
- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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

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

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

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

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

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	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.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:		Check Box if Reclaimed Water

Company Information

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe 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 SPEND CURVE

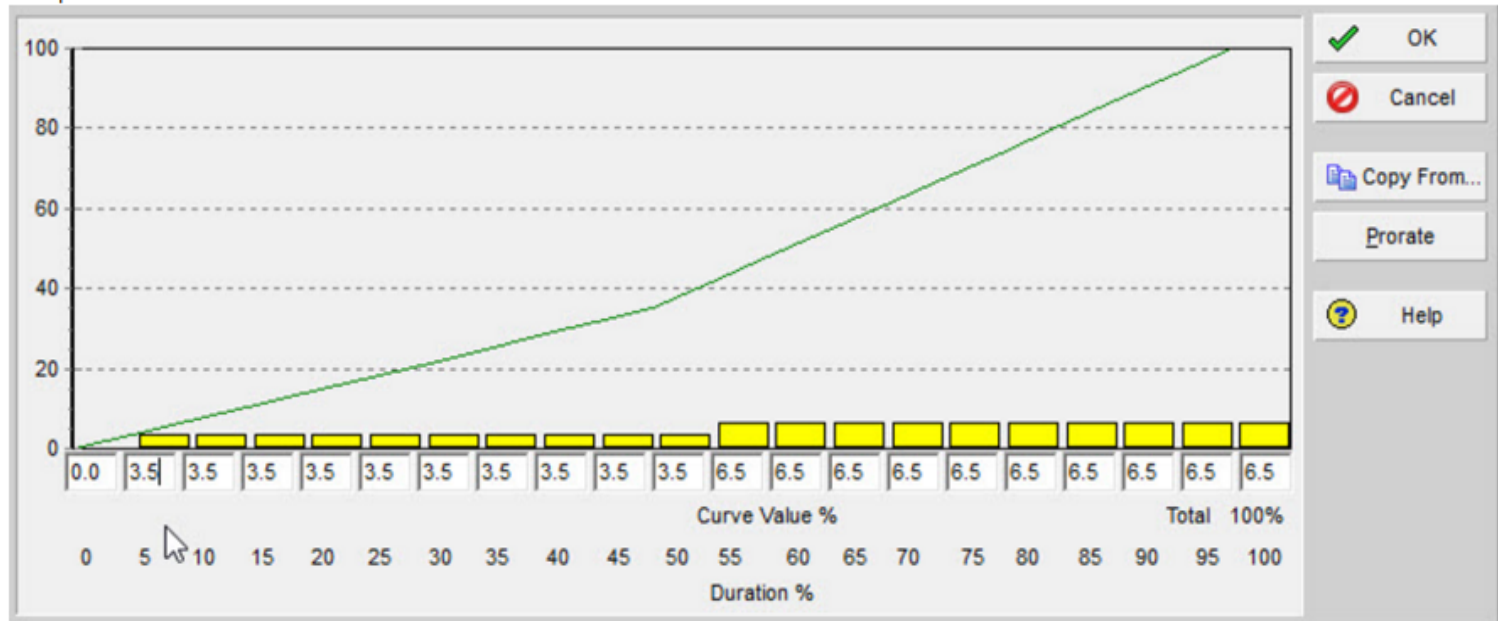
Sample Project Spend Curve

Sample Date Entries Required

Incremental Curve Value
Duration % Increment

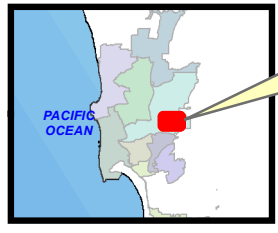
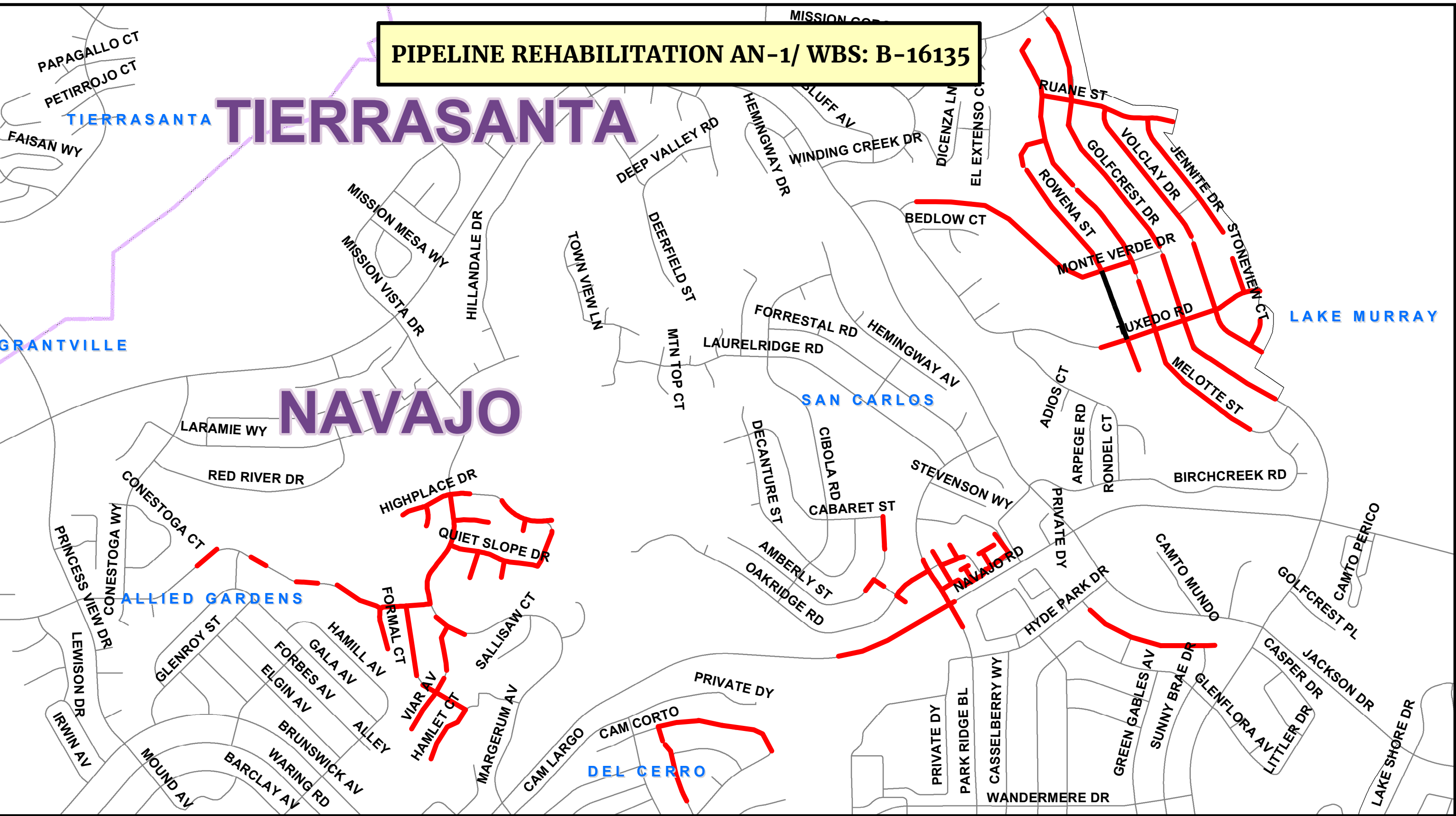
0.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%
0%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%

Sample Screenshot from Primavera P6



APPENDIX E
LOCATION MAP

PIPELINE REHABILITATION AN-1/ WBS: B-16135



PROJECT LOCATION

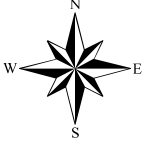
The City of **SAN DIEGO** Public Works
PIPELINE REHABILITATION AN-1

SENIOR ENGINEER: ANDREA DEMICH (619) 533-5126
 PROJECT MANAGER: REGAN OWEN (619) 533-5205
 PROJECT ENGINEER: SAL CASTILLO (619) 533-4609
 FOR QUESTIONS ABOUT THIS PROJECT: Call: (619) 533-4207, Email: engineering@sandiego.gov

Legend
 SEWER MAINS TO BE REHABILITATED
 REPLACE

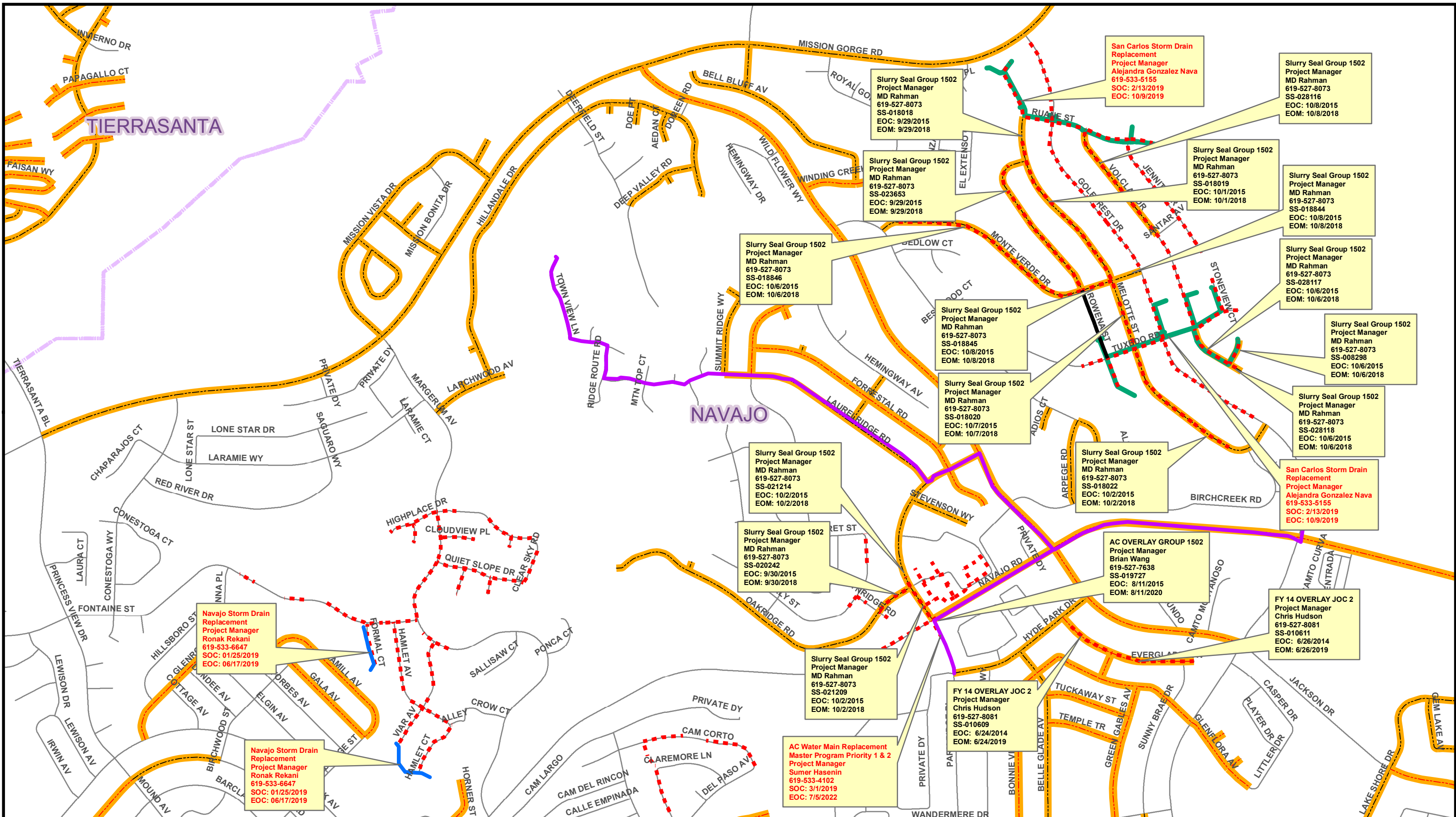
LOCATION MAP

COMMUNITY NAME: NAVAJO
 Date: November 3, 2017
 COUNCIL DISTRICT: 7
 SAP ID: B-16135 (S)



Not to Scale

APPENDIX F
ADJACENT CONFLICT PROJECTS MAP



Navajo Storm Drain Replacement
 Project Manager
 Ronak Rekani
 619-533-6647
 SOC: 01/25/2019
 EOC: 06/17/2019

Navajo Storm Drain Replacement
 Project Manager
 Ronak Rekani
 619-533-6647
 SOC: 01/25/2019
 EOC: 06/17/2019

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018018
 EOC: 9/29/2015
 EOM: 9/29/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-023653
 EOC: 9/29/2015
 EOM: 9/29/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018846
 EOC: 10/6/2015
 EOM: 10/6/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018845
 EOC: 10/8/2015
 EOM: 10/8/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018020
 EOC: 10/7/2015
 EOM: 10/7/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-021214
 EOC: 10/2/2015
 EOM: 10/2/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-020242
 EOC: 9/30/2015
 EOM: 9/30/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-021209
 EOC: 10/2/2015
 EOM: 10/2/2018

AC Water Main Replacement
 Master Program Priority 1 & 2
 Project Manager
 Sumer Hasenin
 619-533-4102
 SOC: 3/1/2019
 EOC: 7/5/2022

San Carlos Storm Drain Replacement
 Project Manager
 Alejandra Gonzalez Nava
 619-533-5155
 SOC: 2/13/2019
 EOC: 10/9/2019

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-028116
 EOC: 10/8/2015
 EOM: 10/8/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018019
 EOC: 10/1/2015
 EOM: 10/1/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018844
 EOC: 10/8/2015
 EOM: 10/8/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-028117
 EOC: 10/6/2015
 EOM: 10/6/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-008296
 EOC: 10/6/2015
 EOM: 10/6/2018

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-028118
 EOC: 10/6/2015
 EOM: 10/6/2018

San Carlos Storm Drain Replacement
 Project Manager
 Alejandra Gonzalez Nava
 619-533-5155
 SOC: 2/13/2019
 EOC: 10/9/2019

Slurry Seal Group 1502
 Project Manager
 MD Rahman
 619-527-8073
 SS-018022
 EOC: 10/2/2015
 EOM: 10/2/2018

AC OVERLAY GROUP 1502
 Project Manager
 Brian Wang
 619-527-7638
 SS-019727
 EOC: 8/11/2015
 EOM: 8/11/2020

FY 14 OVERLAY JOC 2
 Project Manager
 Chris Hudson
 619-527-8081
 SS-010611
 EOC: 6/26/2014
 EOM: 6/26/2019

FY 14 OVERLAY JOC 2
 Project Manager
 Chris Hudson
 619-527-8081
 SS-010609
 EOC: 6/24/2014
 EOM: 6/24/2019



- Legend**
- PROP MAIN REHAB AN-1
 - PROP REPLACE
 - SAN CARLOS STORM DRAIN REPLACE
 - NAVAJO STORM DRAIN REPLACEMENT
 - GS Streets - Overlay
 - GS Streets - Slurry
 - AC WATER MAIN REPLACE MASTER PROGRAM PRIORITY 1 & 2

NOTES:
 END OF CONSTRUCTION ---- EOC
 END OF MORATORIUM ----- EOM

PIPELINE REHABILITATION AN-1

SHEET NO. 41

CONFLICT MAP

WBS: B-16135



Not To Scale

APPENDIX G
HAZARDOUS FORMS/LABEL

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)		
<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____			
<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____			
<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.		
REPORTING FACILITY REPRESENTATIVE (print or type) _____			
SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____			

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

HAZARDOUS WASTE

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

GENERATOR NAME _____

ADDRESS _____ 24 HR. PHONE () _____

CITY _____ STATE _____ ZIP _____

EPA ID NO. _____ MANIFEST DOCUMENT NO. _____

EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / ____ / ____

CONTENTS, COMPOSITION _____

PROPER DOT SHIPPING NAME _____

TECHNICAL NAME (S) _____

UN/NA NO. WITH PREFIX _____

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

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

APPENDIX H

SEWER MAINS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES

APPENDIX I
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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• "No Parking" signs will be displayed 72 hours in advance of the work.
• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

APPENDIX J

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

- A. Endpoints, see Photo 1:

Photo 1



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

Photo 2



Network Devices, see Photo 3:

Photo 3



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

Photo 4



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

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

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

Photo 5

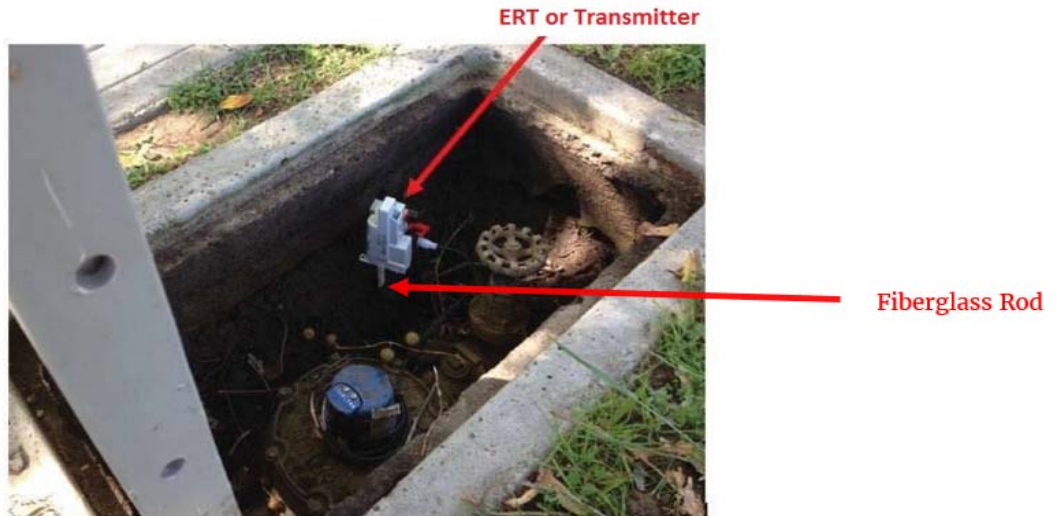


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



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

Photo 7



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

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

Photo 8



Network Device

Photo 9

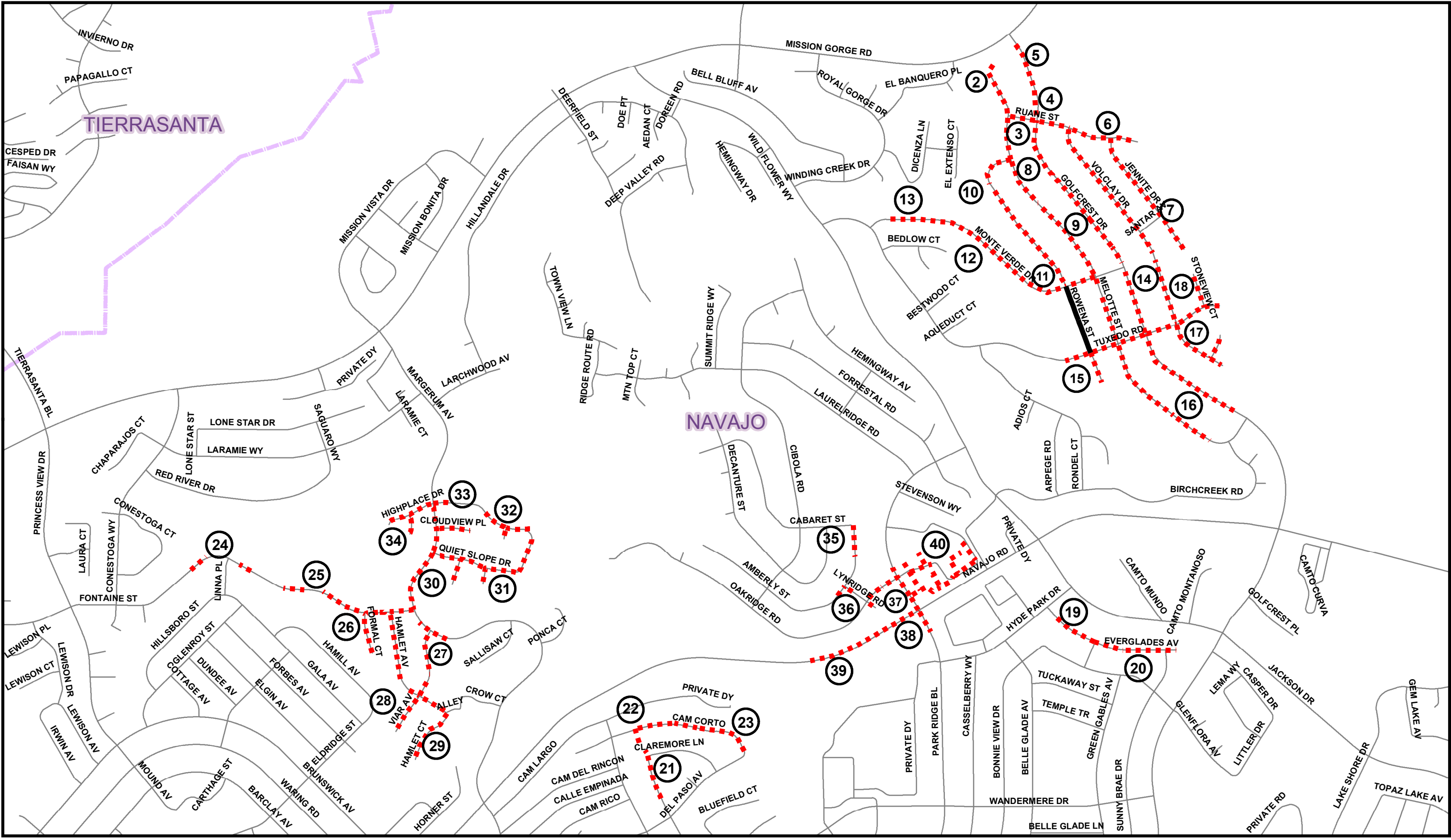


If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX K

SEWER REHABILITATION EXHIBIT PLAN MAPS AND STREET RESURFACING SHEETS

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The City of **SAN DIEGO** Public Works
 COMMUNITY NAME: NAVAJO
 COUNCIL DISTRICT: 7

PIPELINE REHABILITATION AN-1

SHEET NO. 1	KEY MAP	WBS: B-16135
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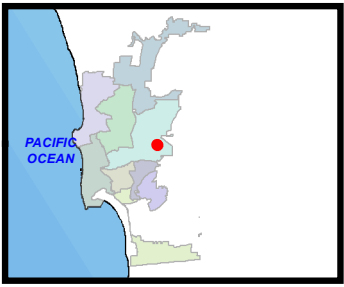
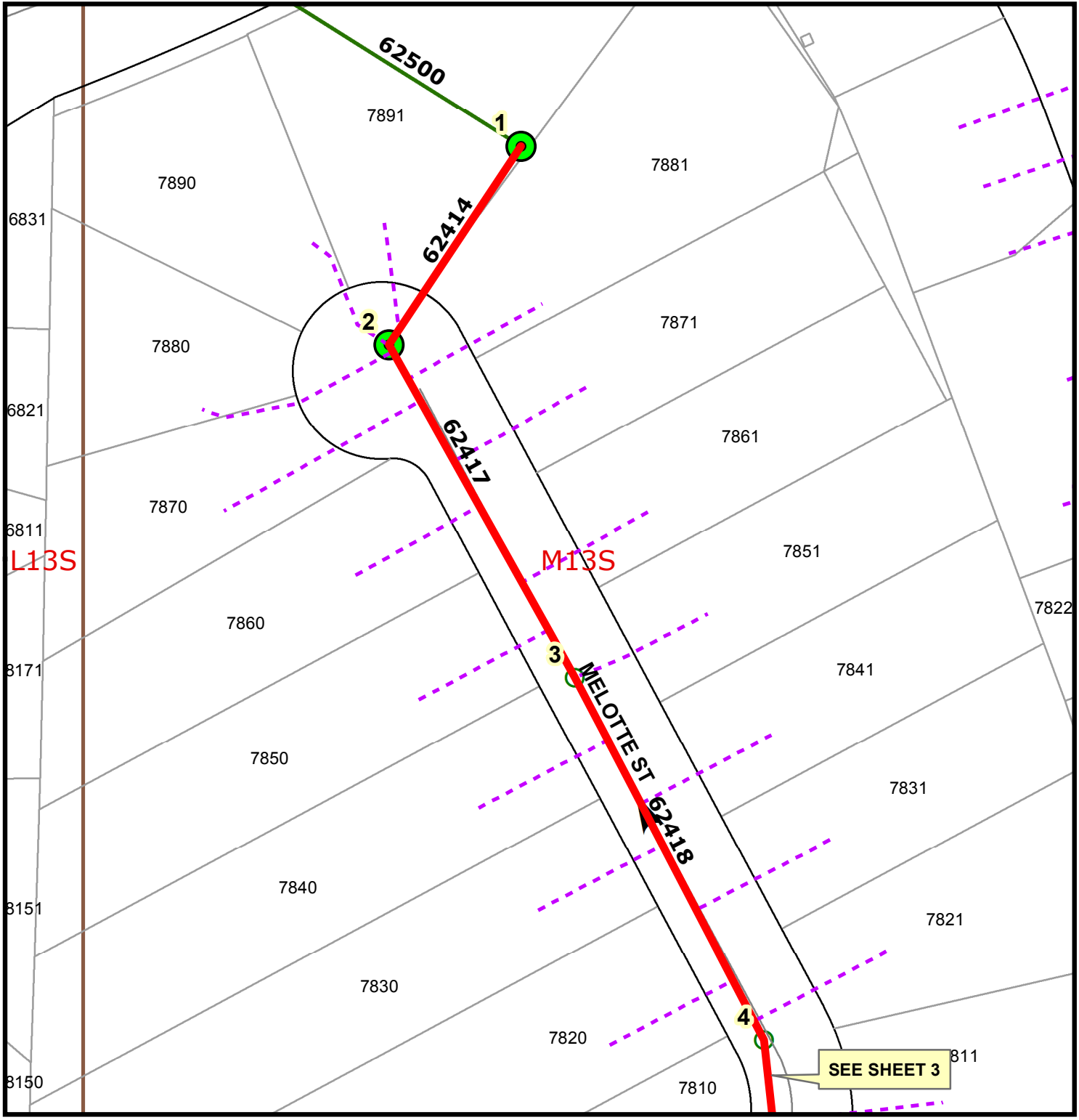
Legend

- PROPOSED MAIN TO BE REHABILITATED
- PROPOSED REPLACE
- (35) EXHIBIT PLAN SHEET NUMBERS

SHEETS 2 - 40	EXHIBIT MAP PLANS
SHEET 41	CONFLICT MAP
SHEETS 42 - 44	RESURFACING MAP

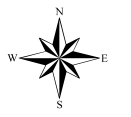


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- - - PROP_REHAB_LAT_OVER_7FT
- EX MAIN NOT PART OF SCOPE OF WORK
- EX SEWER PLUG
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO



Not To Scale

The City of **SAN DIEGO** Public Works

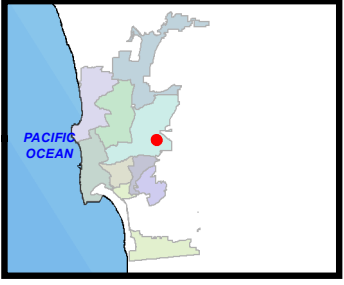
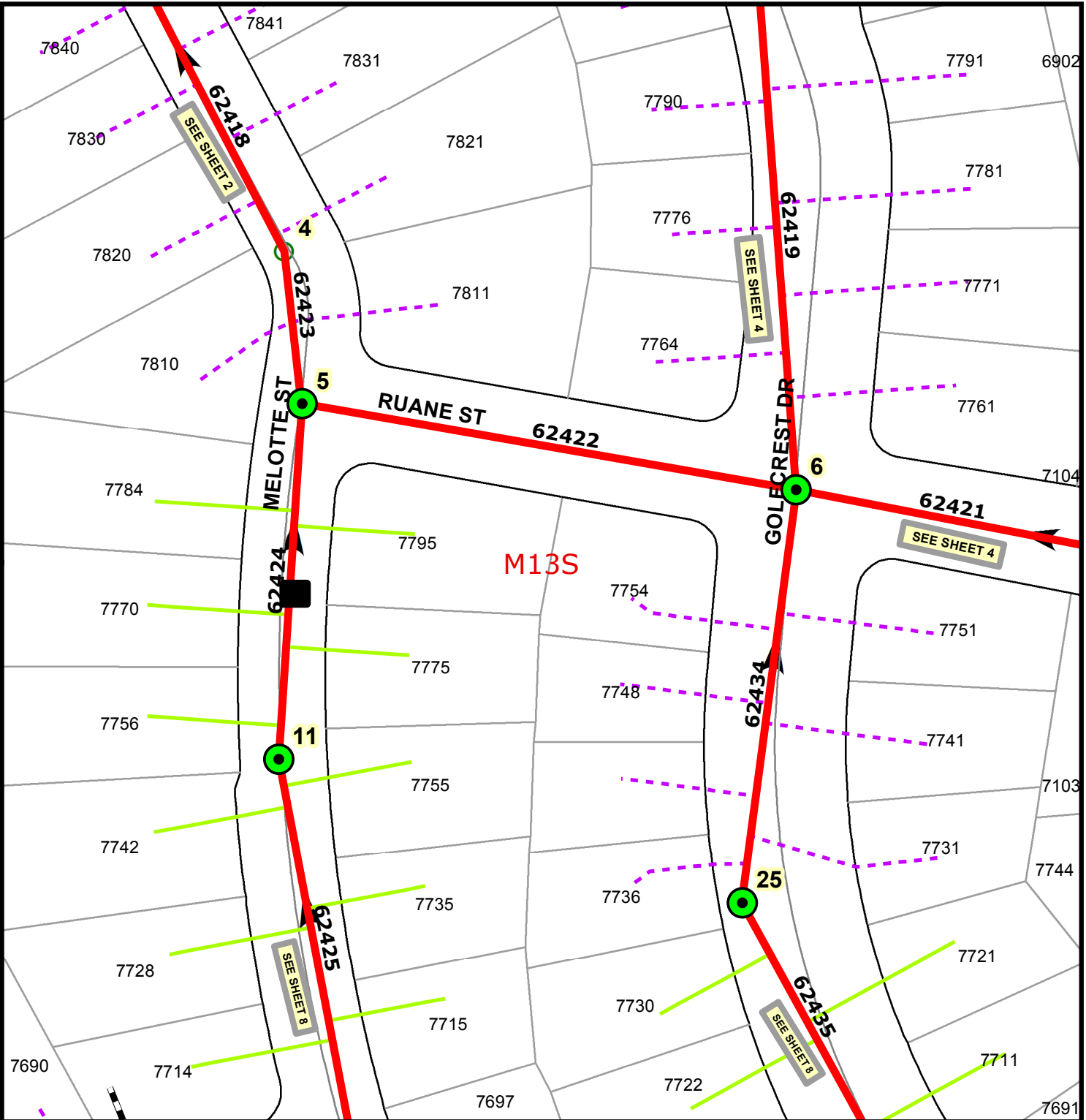
PIPELINE REHABILITATION AN-1

SHEET NO. 2 **FSN 62414, 62417, 62418**

WBS #:
B-16135

THOMAS BROS: 1250
FIELD BOOK: M13S

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 - - - PROP_SEWER_LAT_TO_BE_REPLACE
 - EX MAIN NOT PART OF SCOPE OF WORK
 - EX SEWER PLUG
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 - PROP MH REPLACE
 - EX MH
 - ▲ PROP STREET CO

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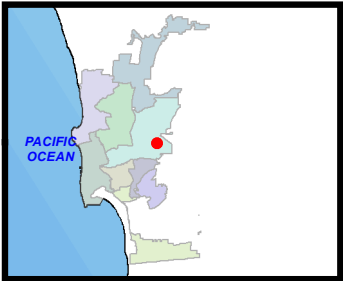
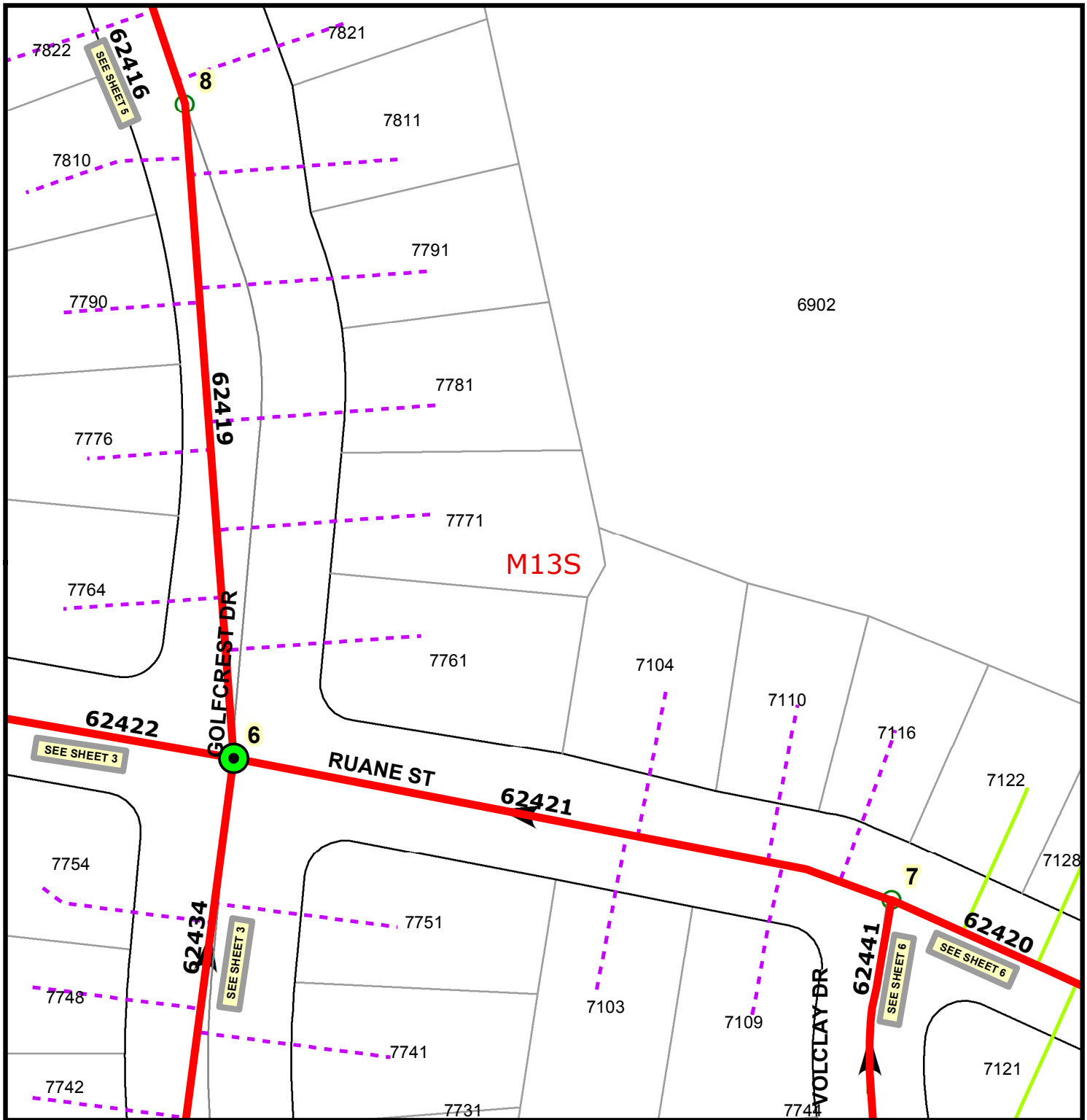
PIPELINE REHABILITATION AN-1

SHEET NO. 3 **FSN** 62422, 62423, 62424, 62434

WBS #:
B-16135

THOMAS BROS: 1250
 FIELD BOOK: M13S

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- ▲ PROP STREET CO



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The City of
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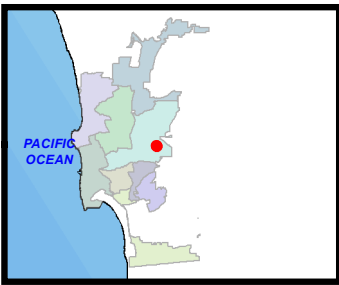
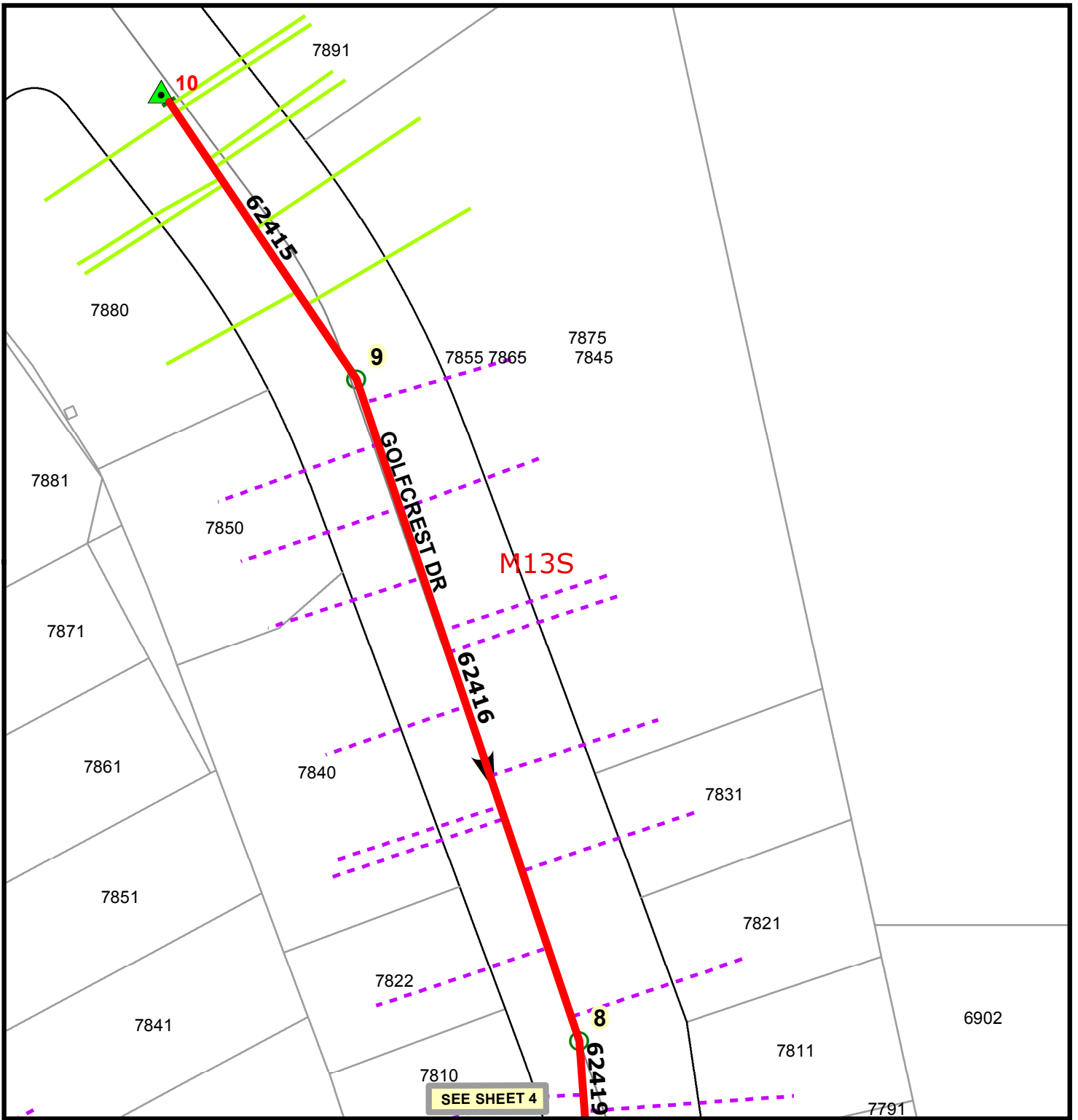
PIPELINE REHABILITATION AN-1

SHEET NO. 4 **FSN 62419, 62421**

WBS #:
B-16135

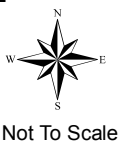
THOMAS BROS: 1250
 FIELD BOOK: M13S

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- EX SEWER PLUG
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- ▲ PROP STREET CO



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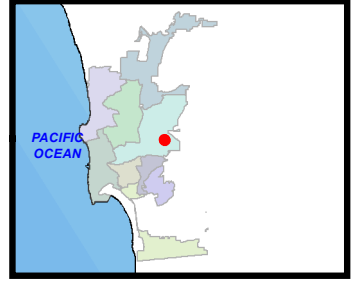
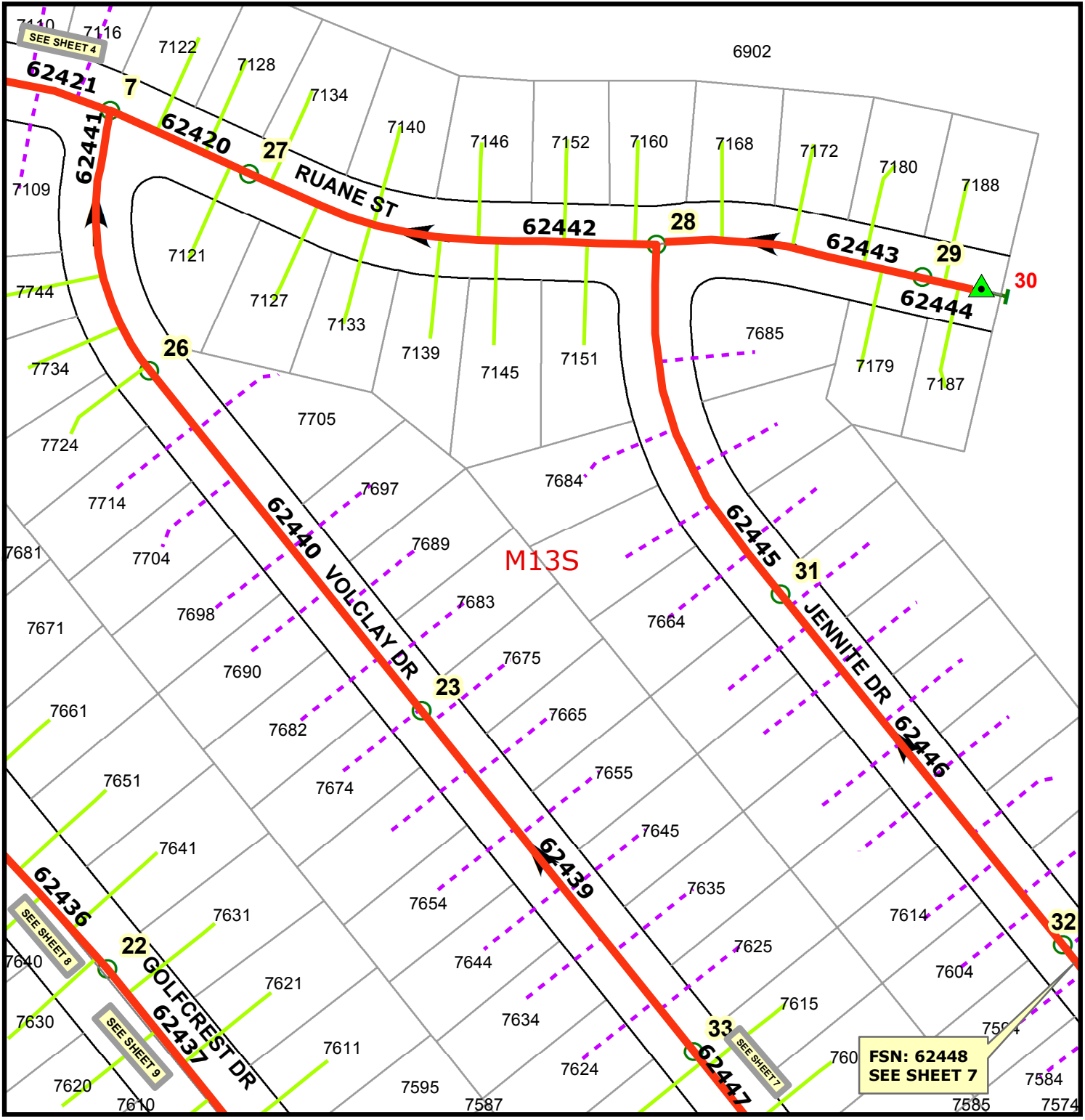
PIPELINE REHABILITATION AN-1

SHEET NO. 5 **FSN 62415, 62416**

WBS #:
B-16135

THOMAS BROS: 1250
 FIELD BOOK: M13S

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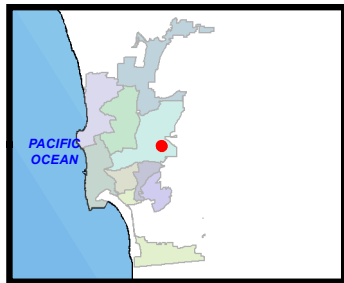
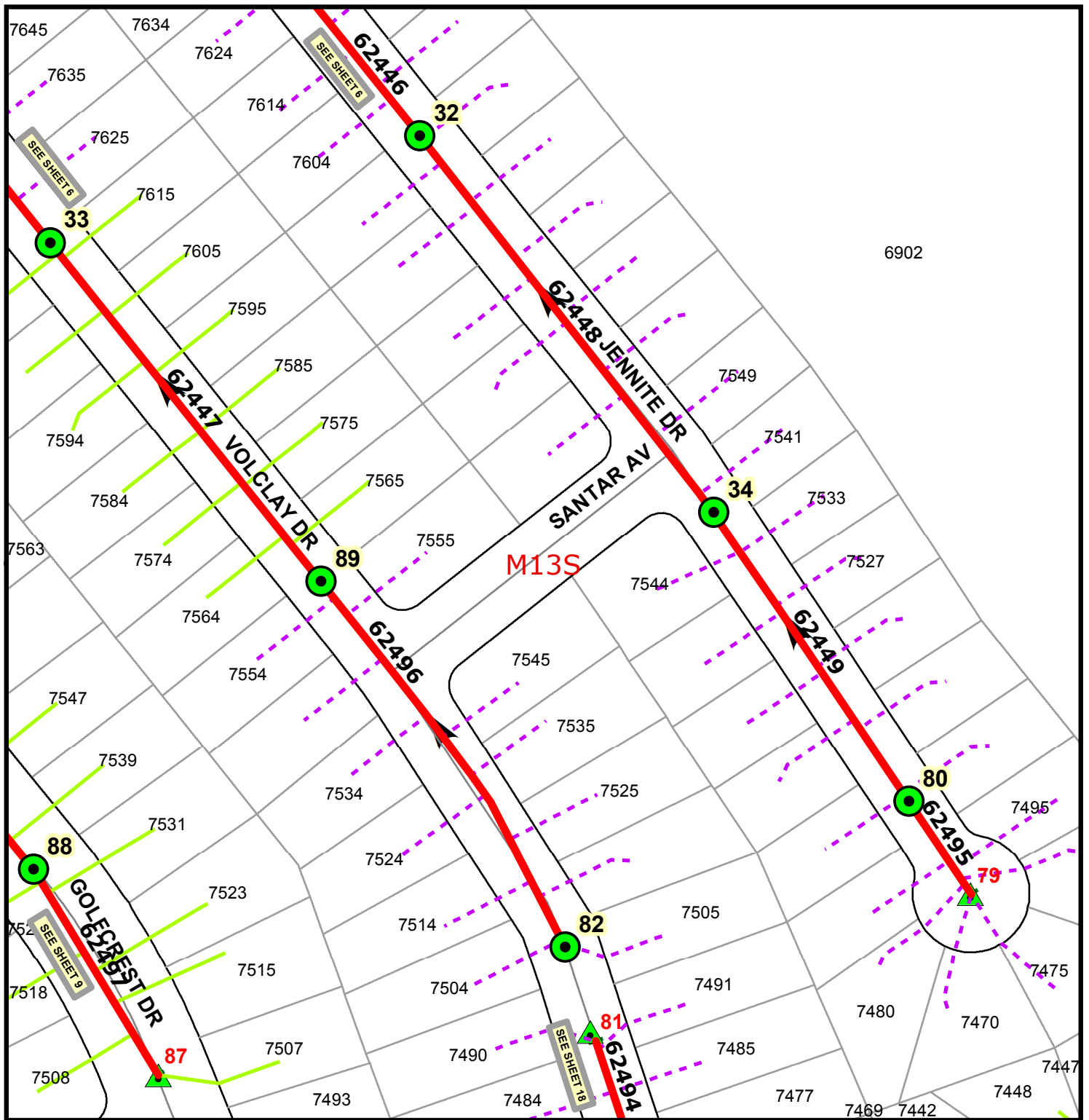
Legend

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- EX SEWER PLUG
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	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 6	FSN 62420, 62439, 62440, 62441, 62442, 62443, 62444, 62445, 62446	THOMAS BROS: 1250 FIELD BOOK: M13S

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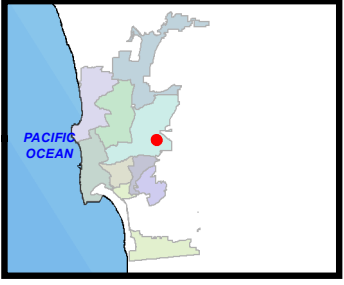
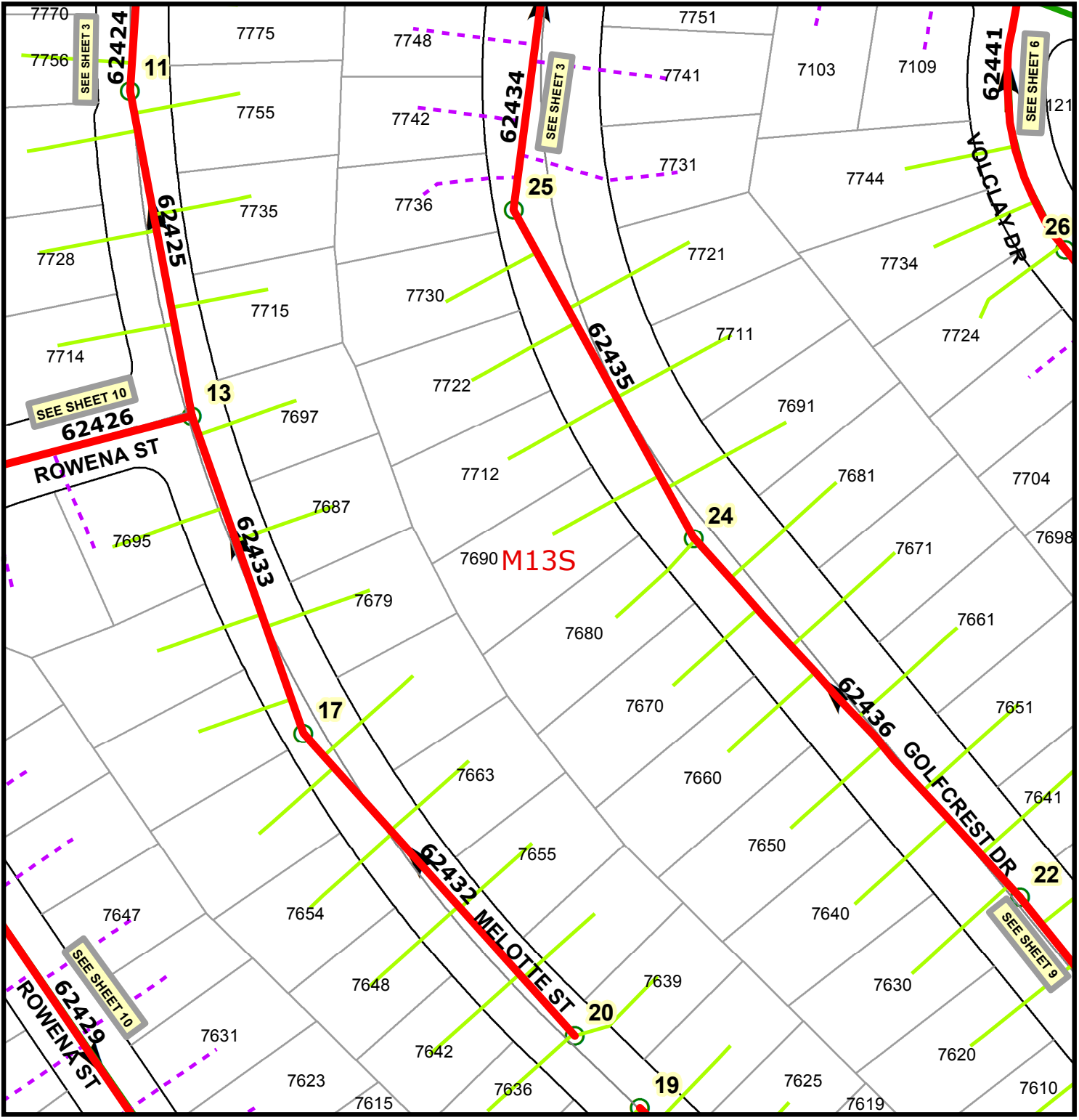


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PIPELINE REHABILITATION AN-1

SHEET NO. 7	FSN 62447, 62448, 62449, 62495, 62496	WBS #: B-16135 THOMAS BROS: 1250 FIELD BOOK: M13S
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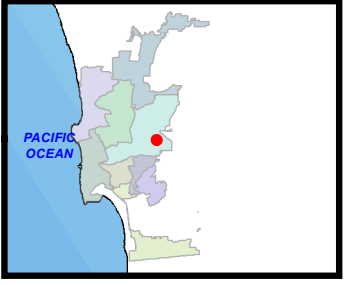
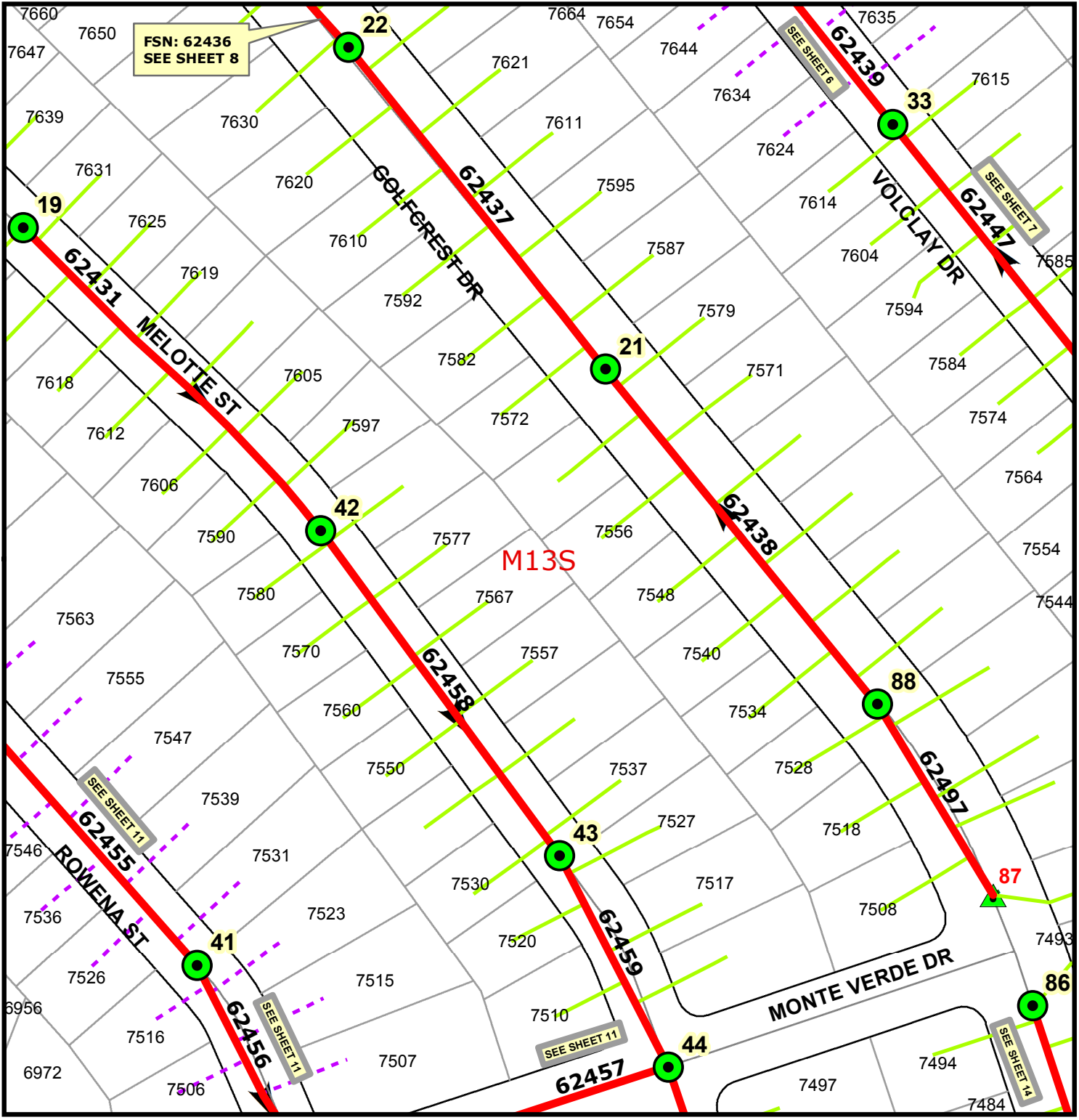
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- EX SEWER PLUG
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- ▲ PROP STREET CO

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	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 8	FSN 62425, 62432, 62433, 62435, 62436	THOMAS BROS: 1250 FIELD BOOK: M13S

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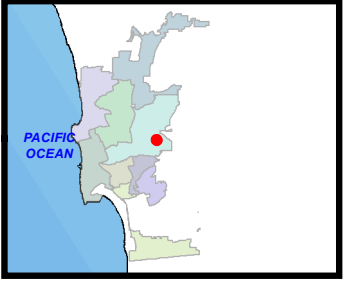
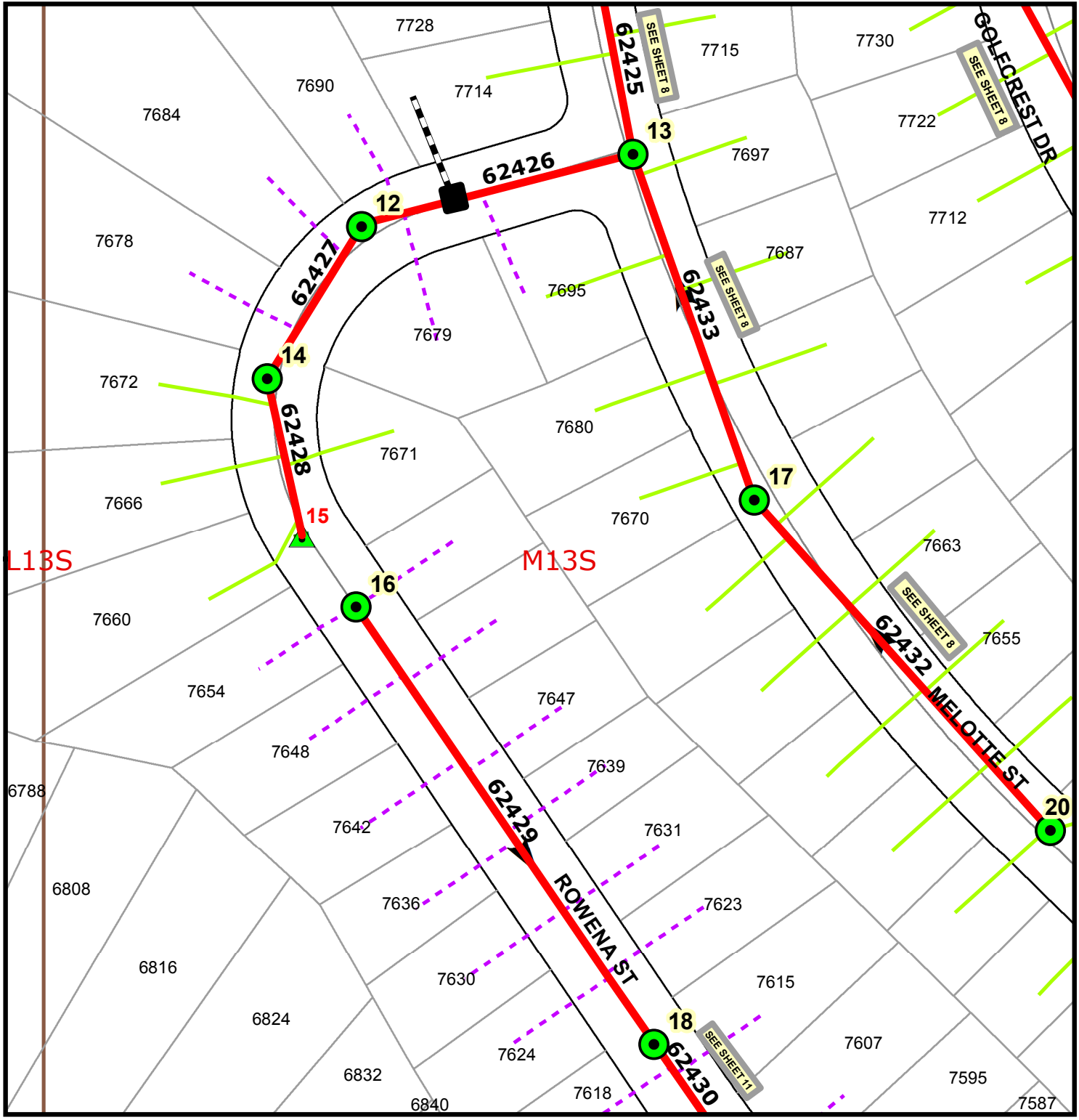
PIPELINE REHABILITATION AN-1

WBS #: B-16135

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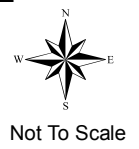
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FIELD BOOK: M13S

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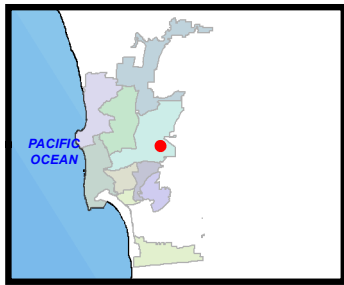
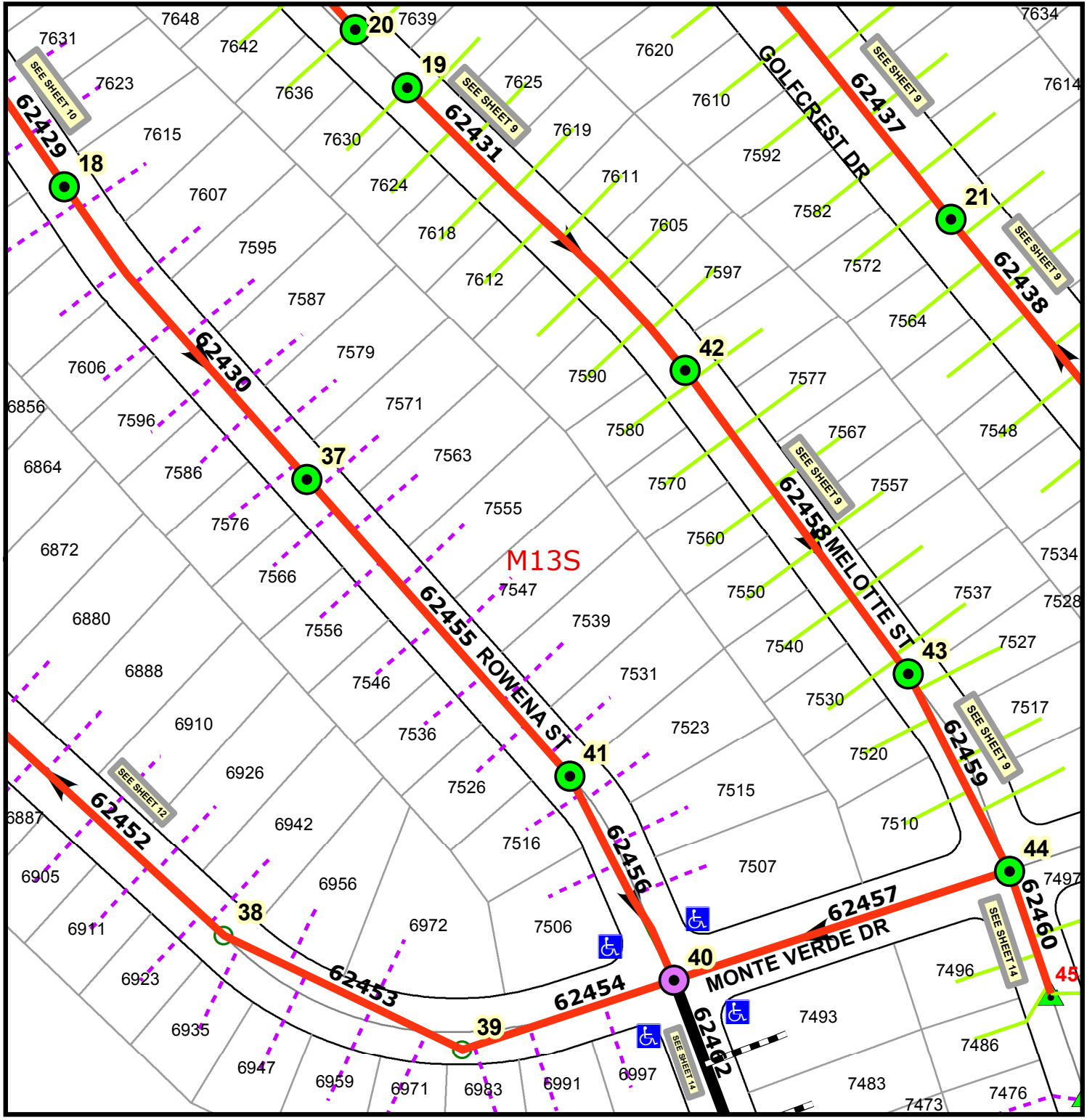
PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 10 **FSN** 62426, 62427,
62428, 62429

THOMAS BROS: 1250
FIELD BOOK: M13S

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- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP PED RAMPS
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- PROP STREET CO
- EX SEWER PLUG

Not To Scale

PIPELINE REHABILITATION AN-1

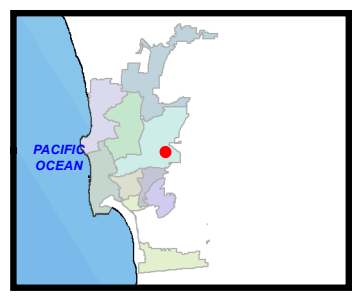
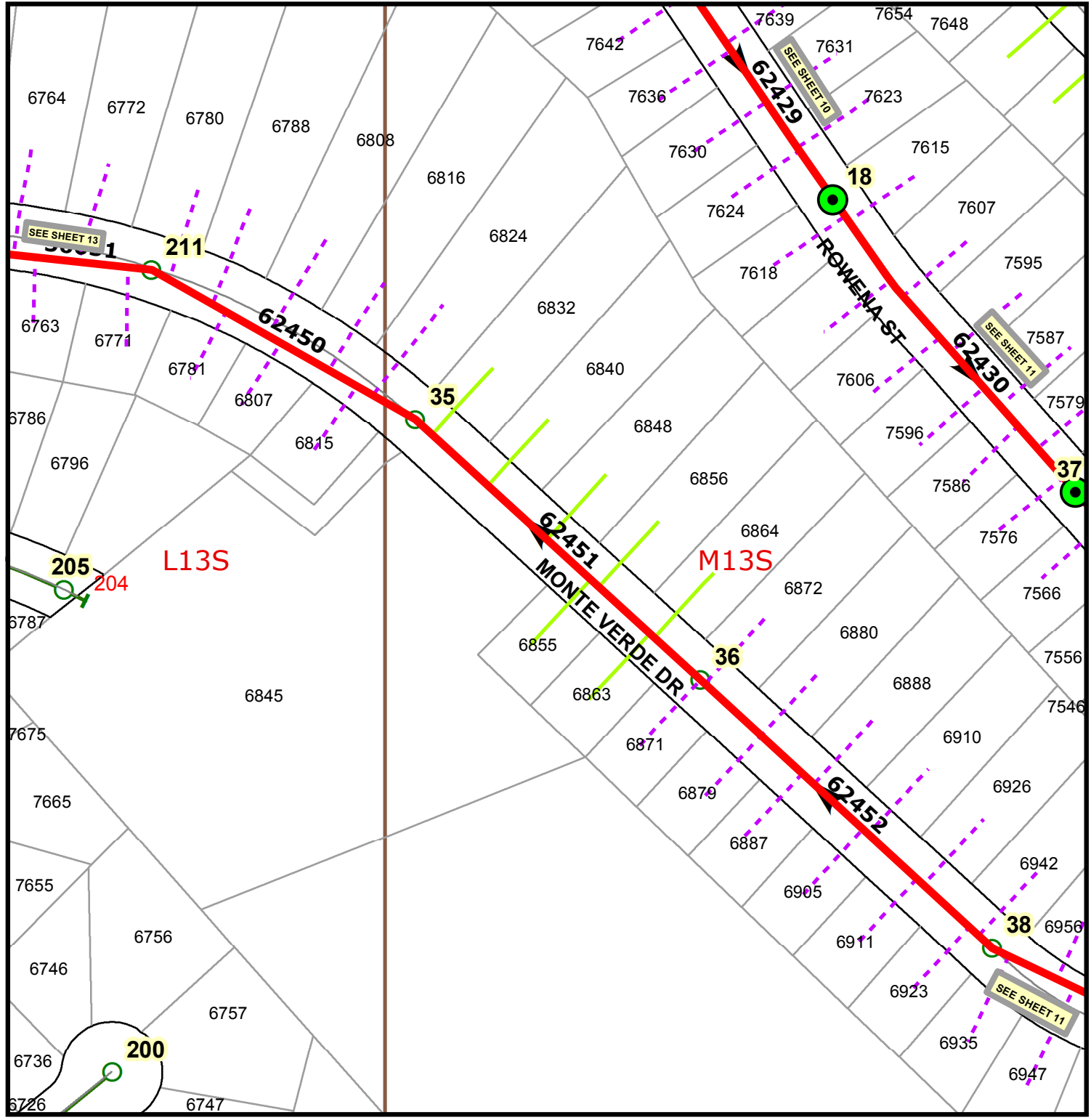
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SHEET NO. 11

FSN 62430, 62453, 62454,
62455, 62456, 62457

THOMAS BROS: 1250
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- PROP PED RAMPS
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- EX SEWER PLUG

Not To Scale

The City of
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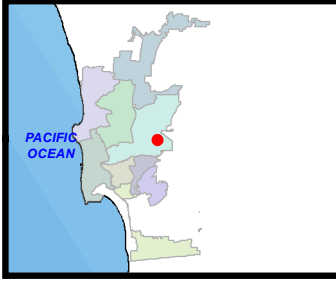
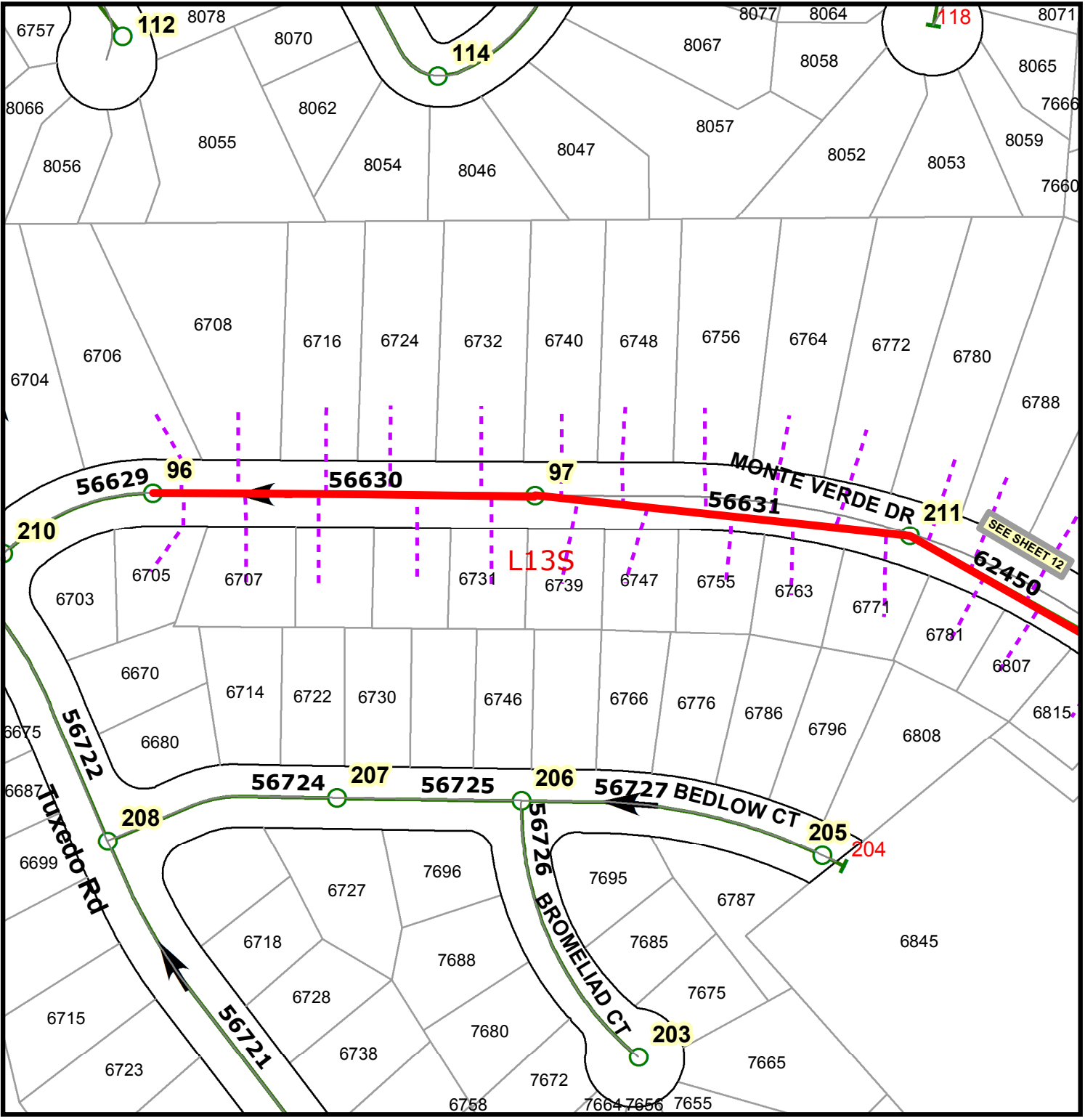
PIPELINE REHABILITATION AN-1

SHEET NO. 12 **FSN 62450, 62451, 62452**

**WBS #:
B-16135**


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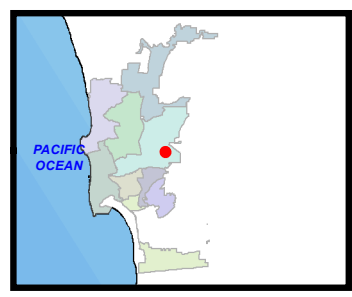
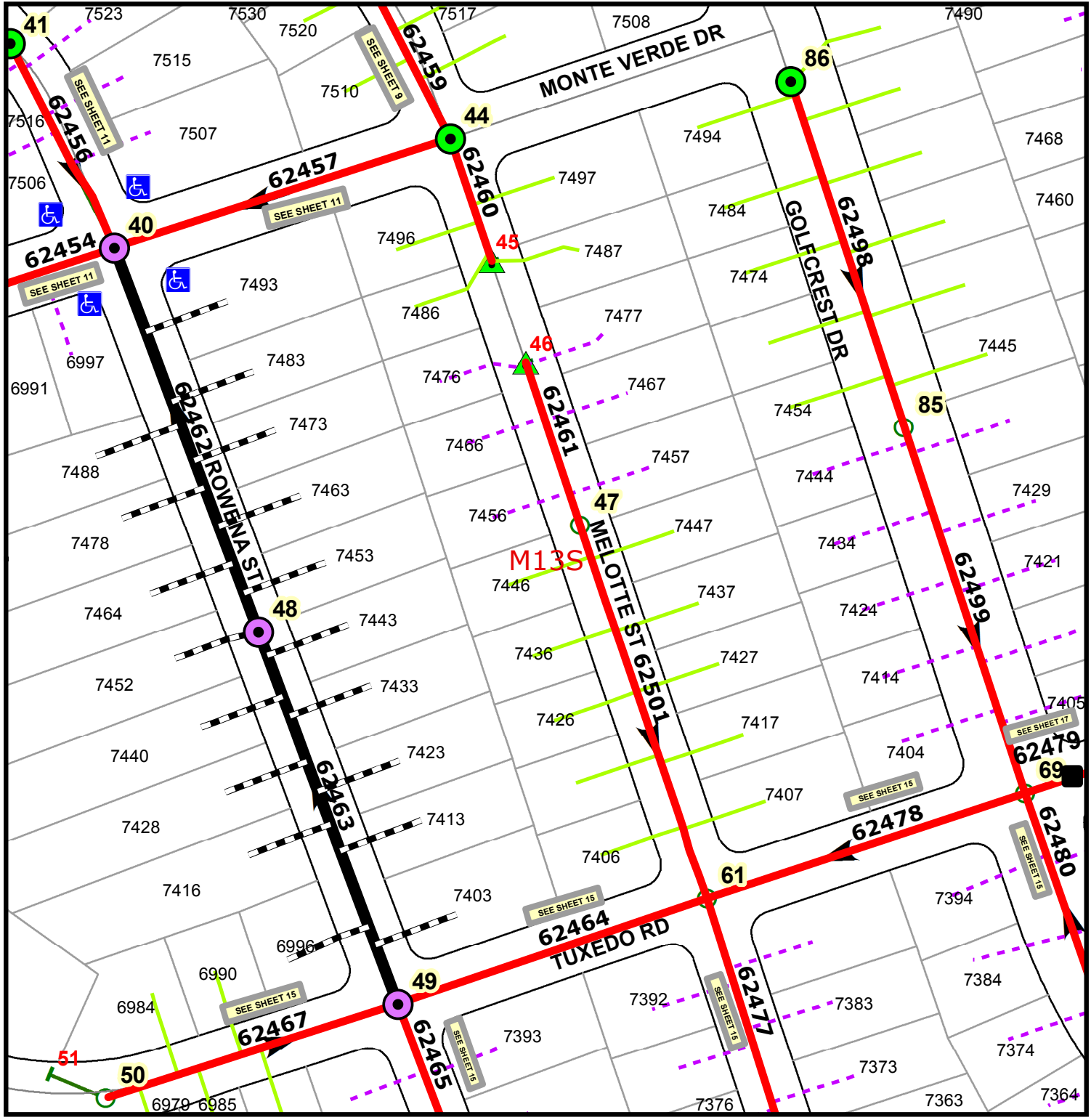
PIPELINE REHABILITATION AN-1

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B-16135**

SHEET NO. 13 **FSN 56630, 56631**

THOMAS BROS: 1250
FIELD BOOK: L13S

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- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP PED RAMPS
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- PROP STREET CO
- EX SEWER PLUG

Not To Scale

PIPELINE REHABILITATION AN-1

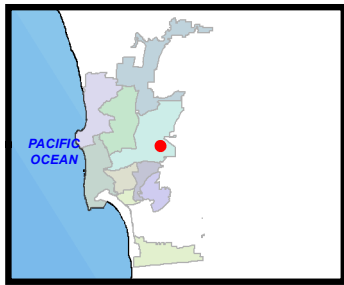
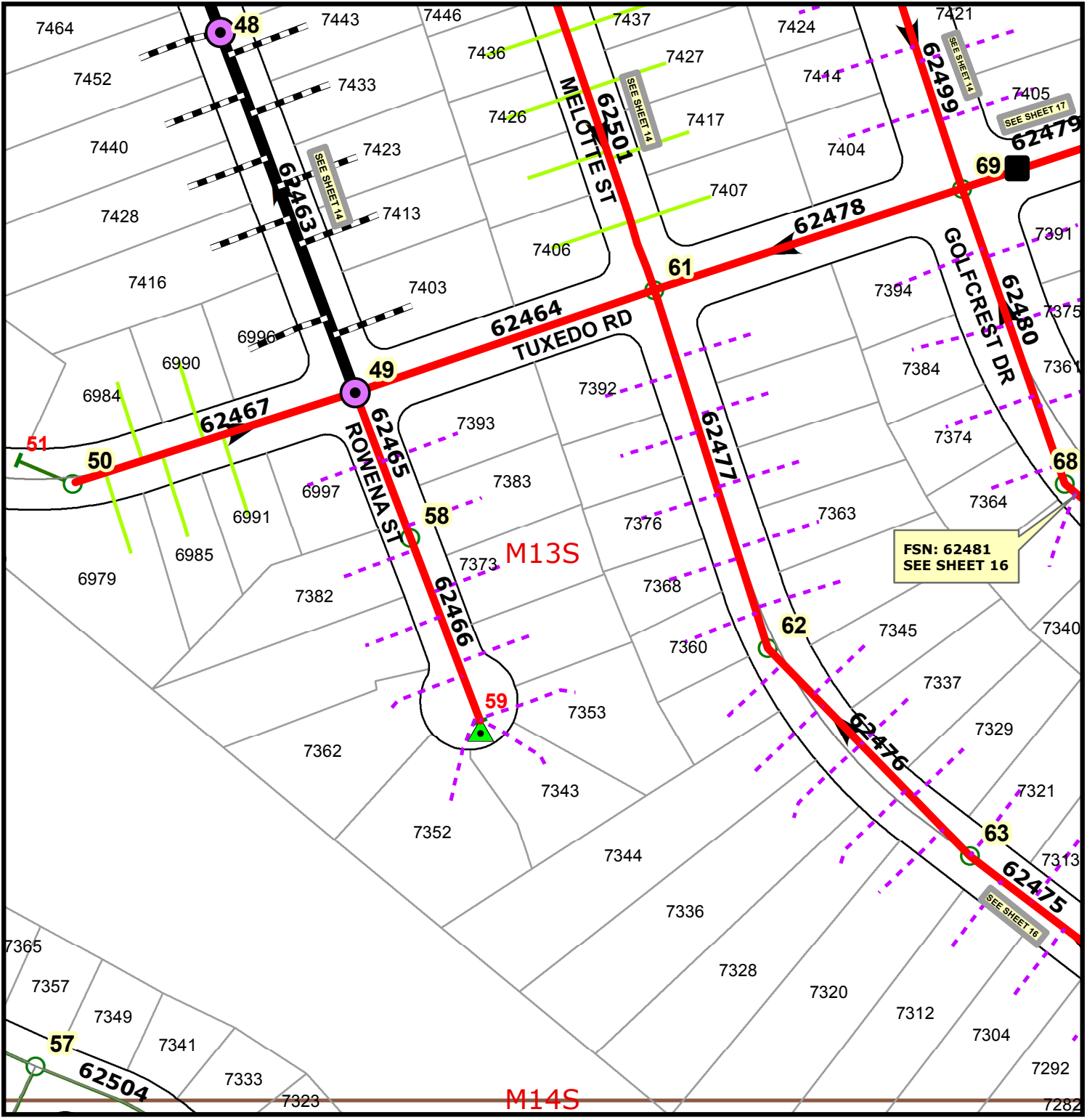
WBS #:
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SHEET NO. 14

FSN 62460, 62461, 62462, 62463, 62498, 62499, 62501

THOMAS BROS: 1250
FIELD BOOK: M13S

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Not To Scale

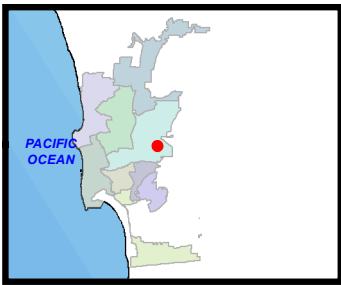
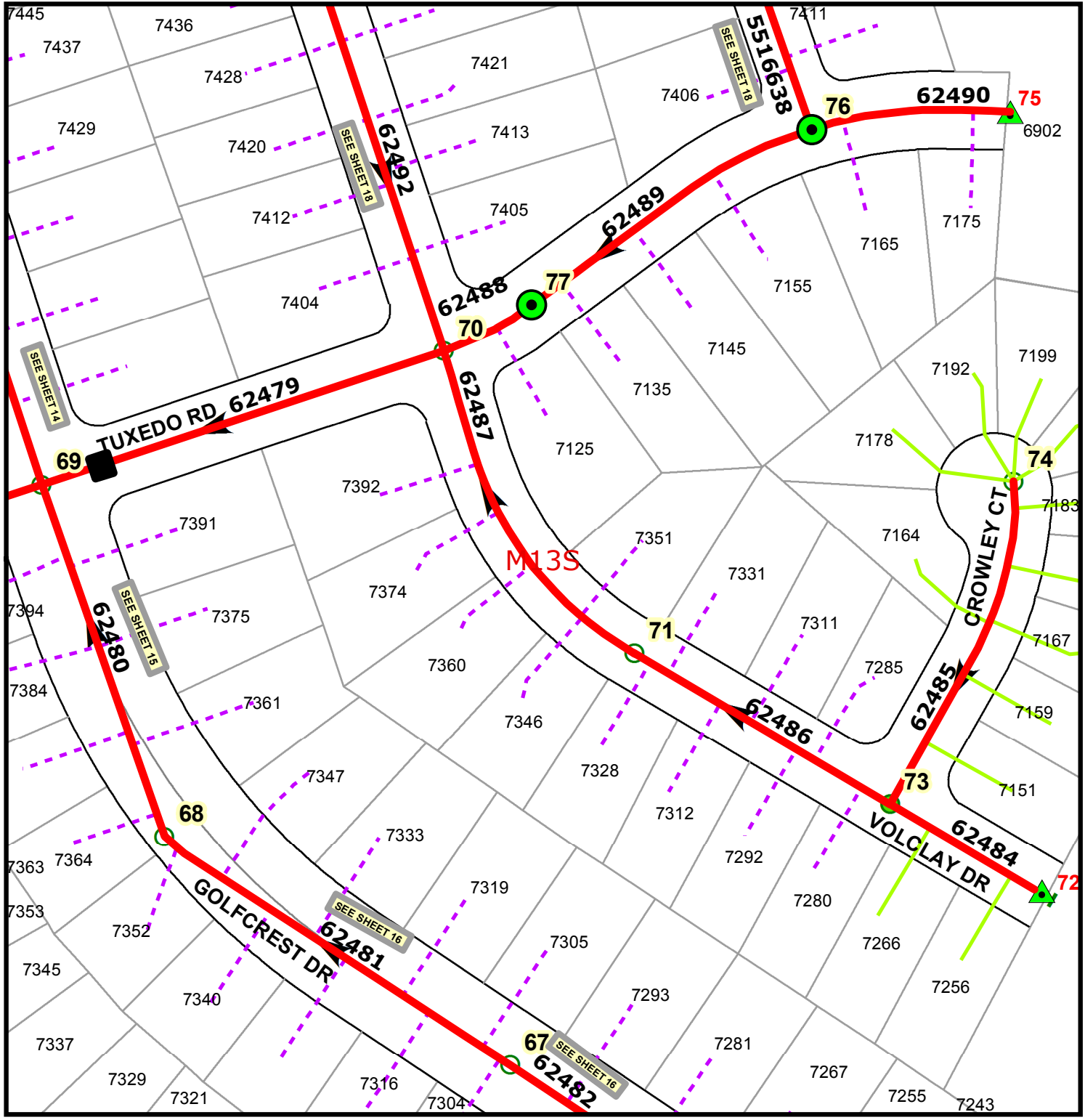
The City of **SAN DIEGO** Public Works

PIPELINE REHABILITATION AN-1

WBS #: B-16135

SHEET NO. 15	FSN 62464, 62465, 62466, 62467, 62476, 62477, 62478, 62480	THOMAS BROS: 1250 FIELD BOOK: M13S
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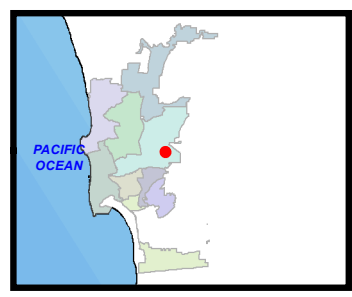
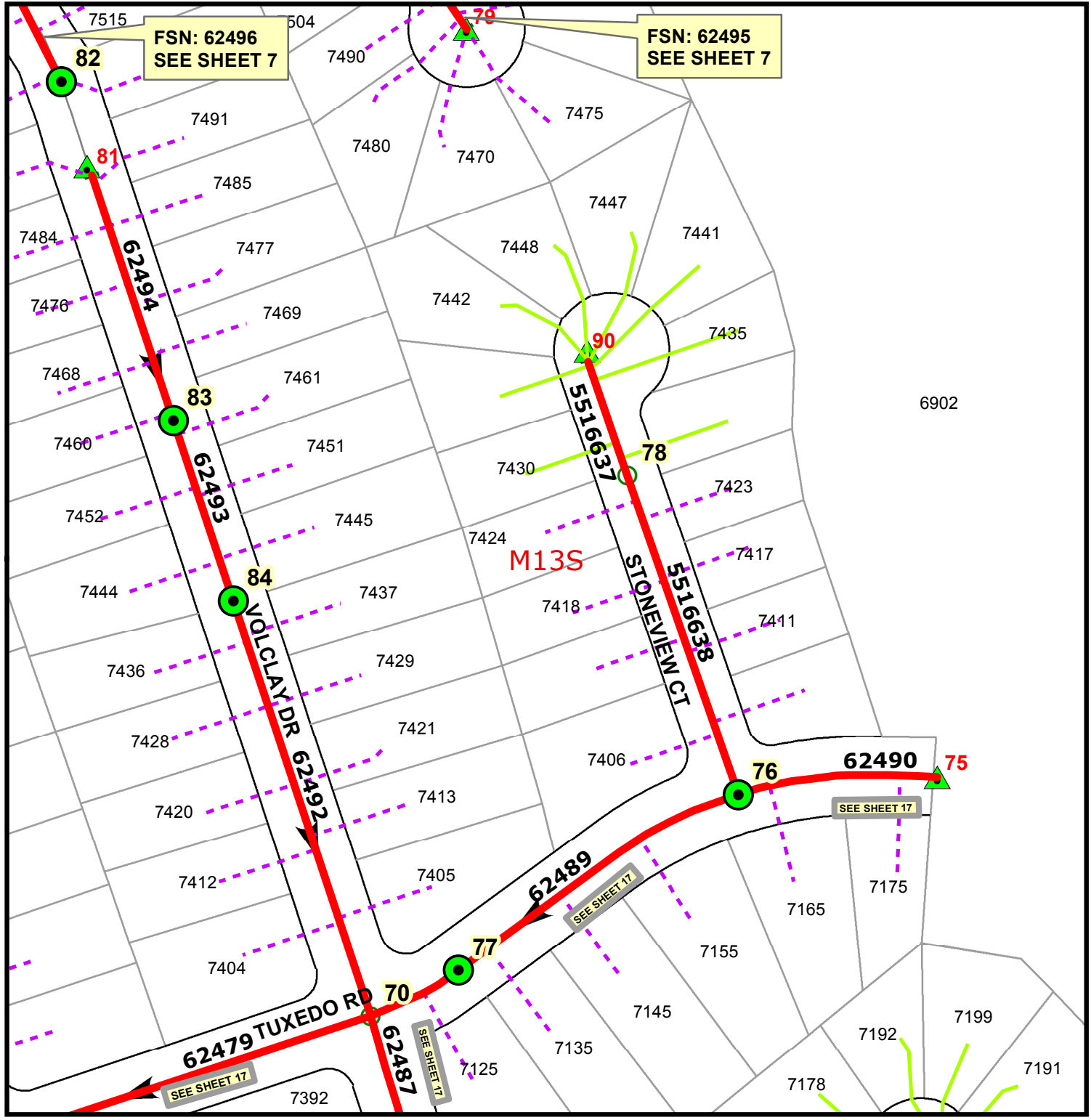
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 17	FSN	62479, 62484, 62485, 62486, 62487, 62488, 62489, 62490
			THOMAS BROS: 1250 FIELD BOOK: M13S

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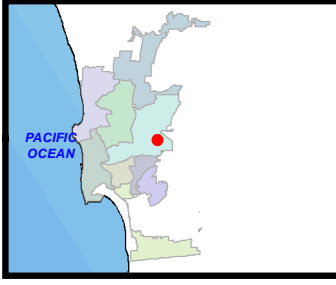
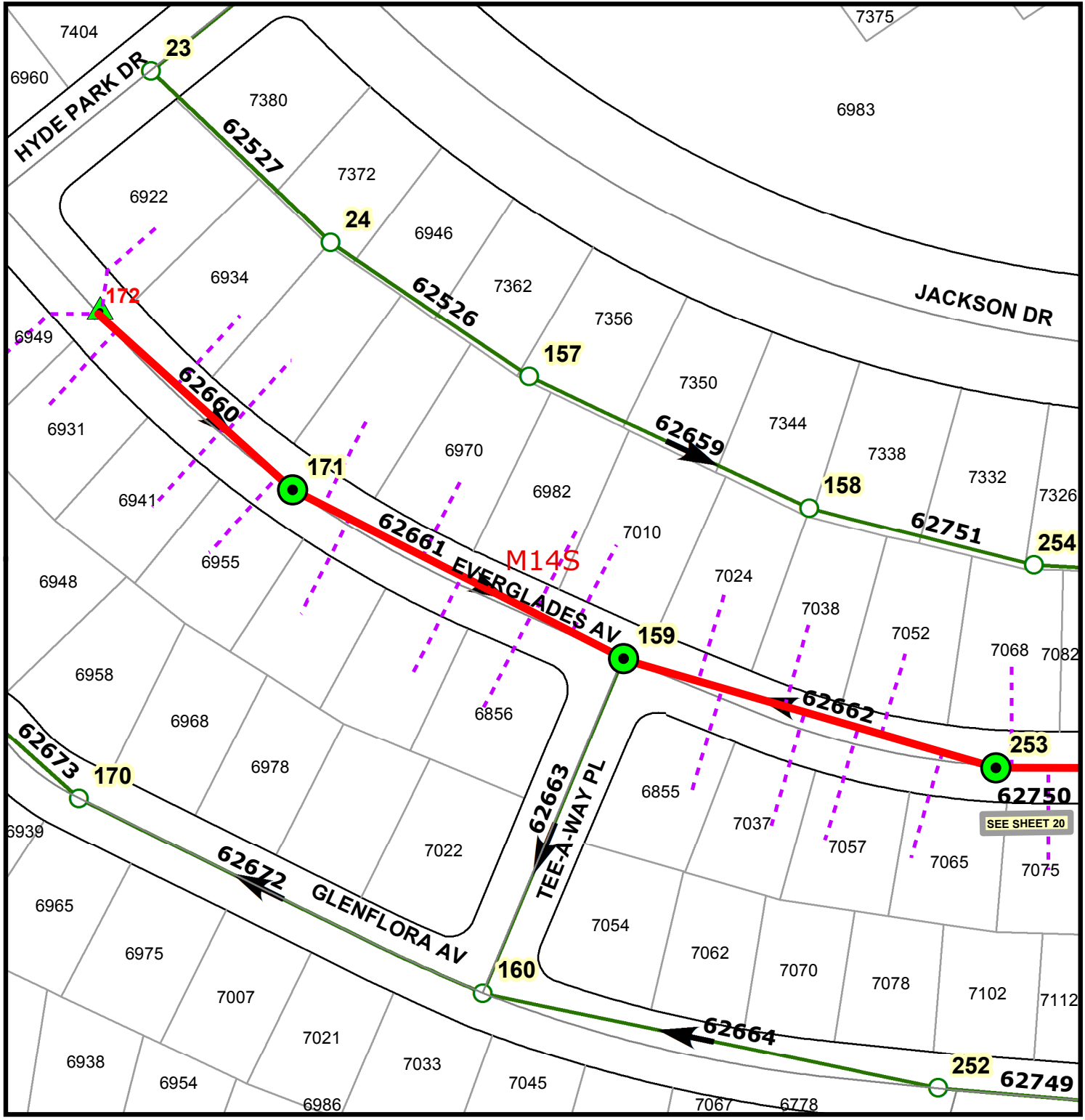
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 18	FSN 62492, 62493, 62494, 5516637, 5516638	THOMAS BROS: 1250 FIELD BOOK: M13S

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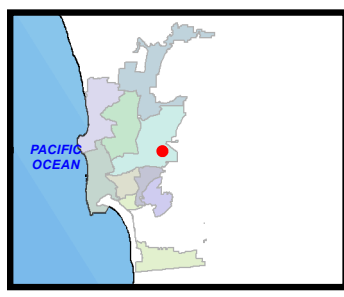
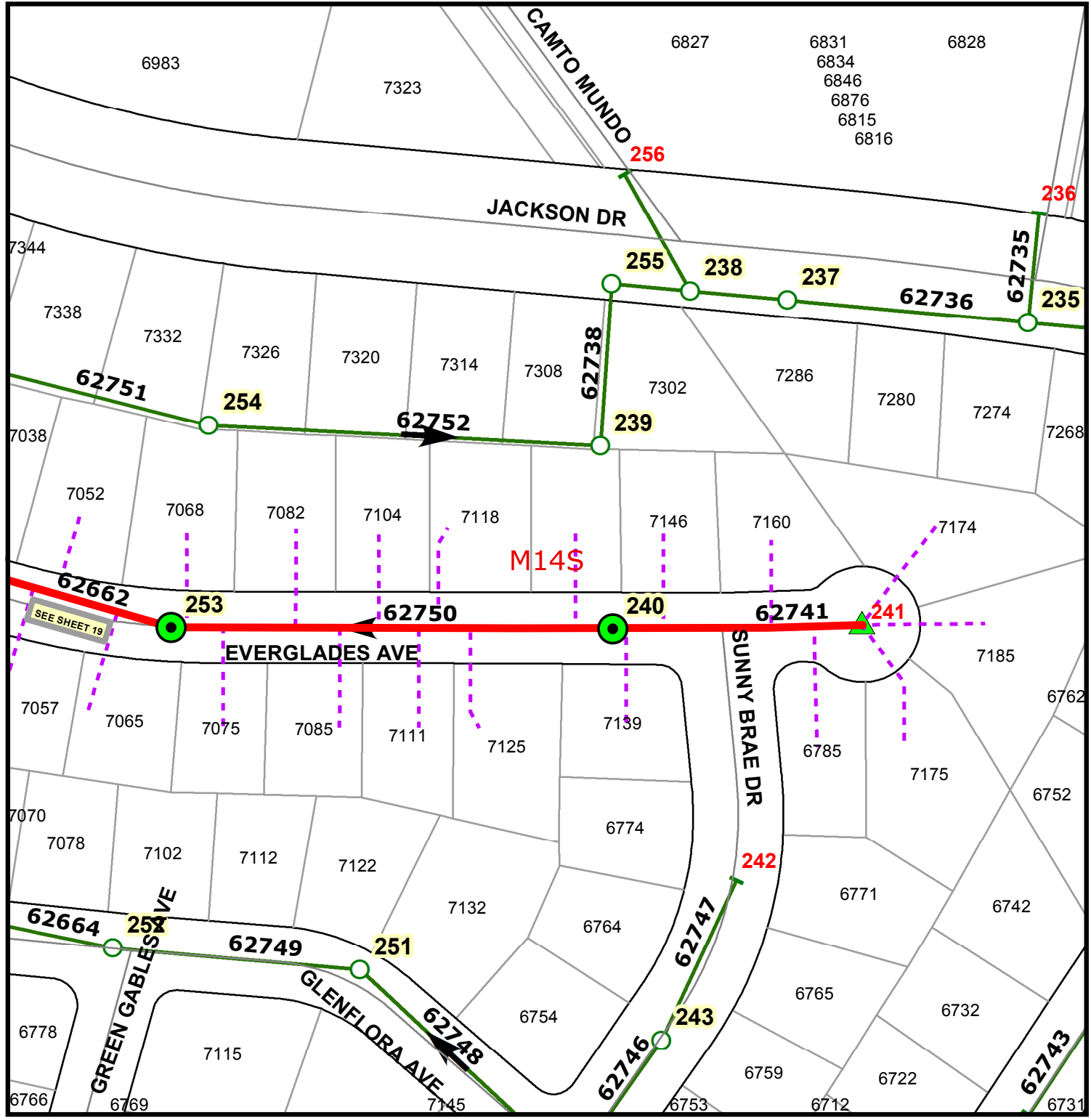
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- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 19	FSN 62660, 62661, 62662	THOMAS BROS: 1250 FIELD BOOK: M14S

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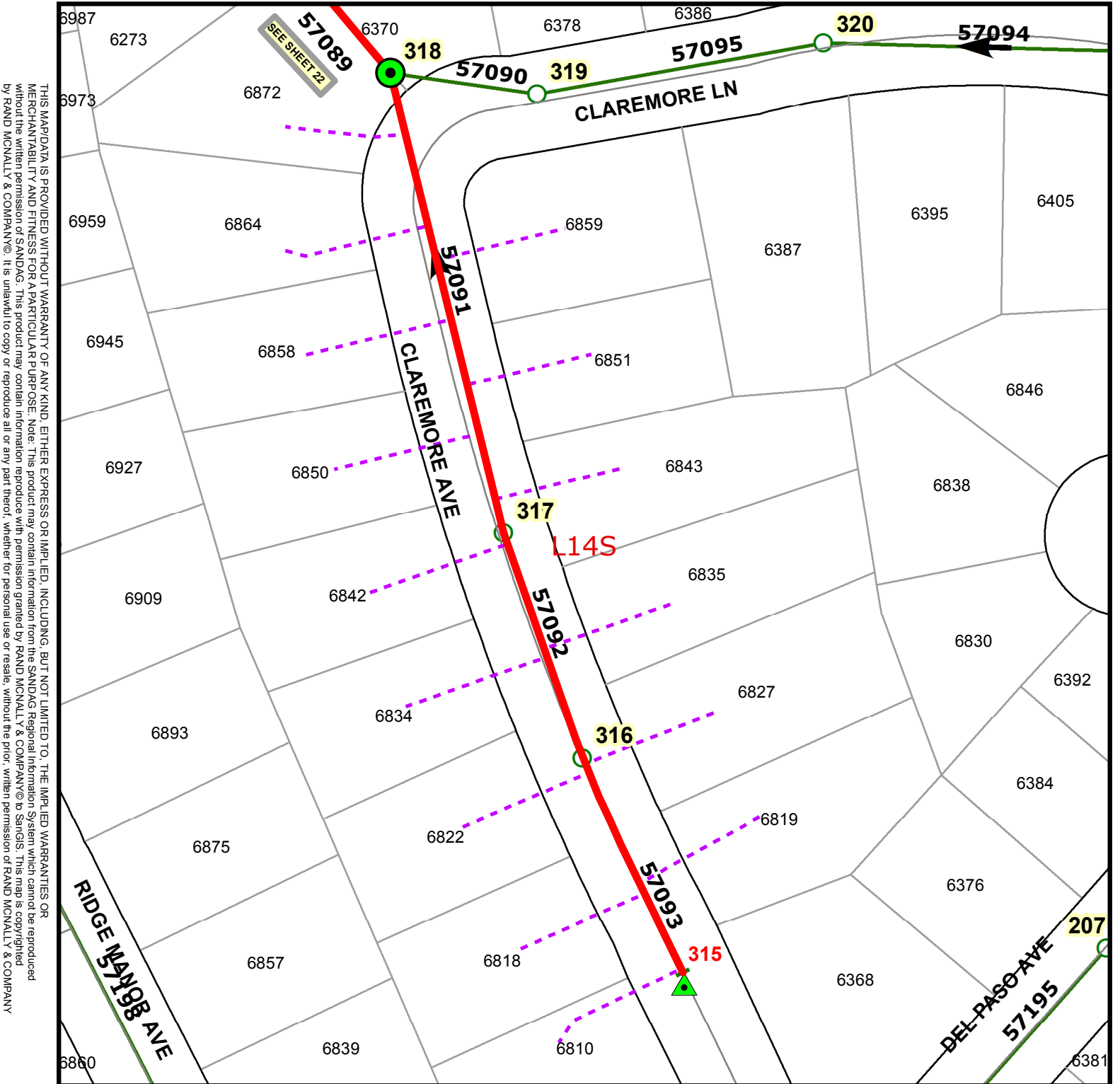


Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
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- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- ▲ EX SEWER PLUG

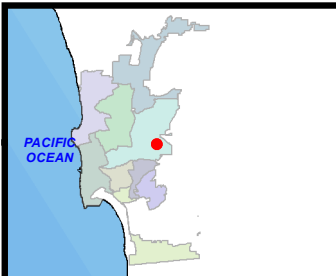
Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 20	FSN 62741-62750	THOMAS BROS: 1250 FIELD BOOK: M14S



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SEE SHEET 22



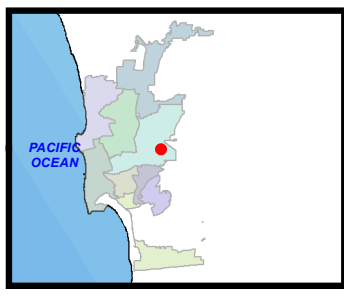
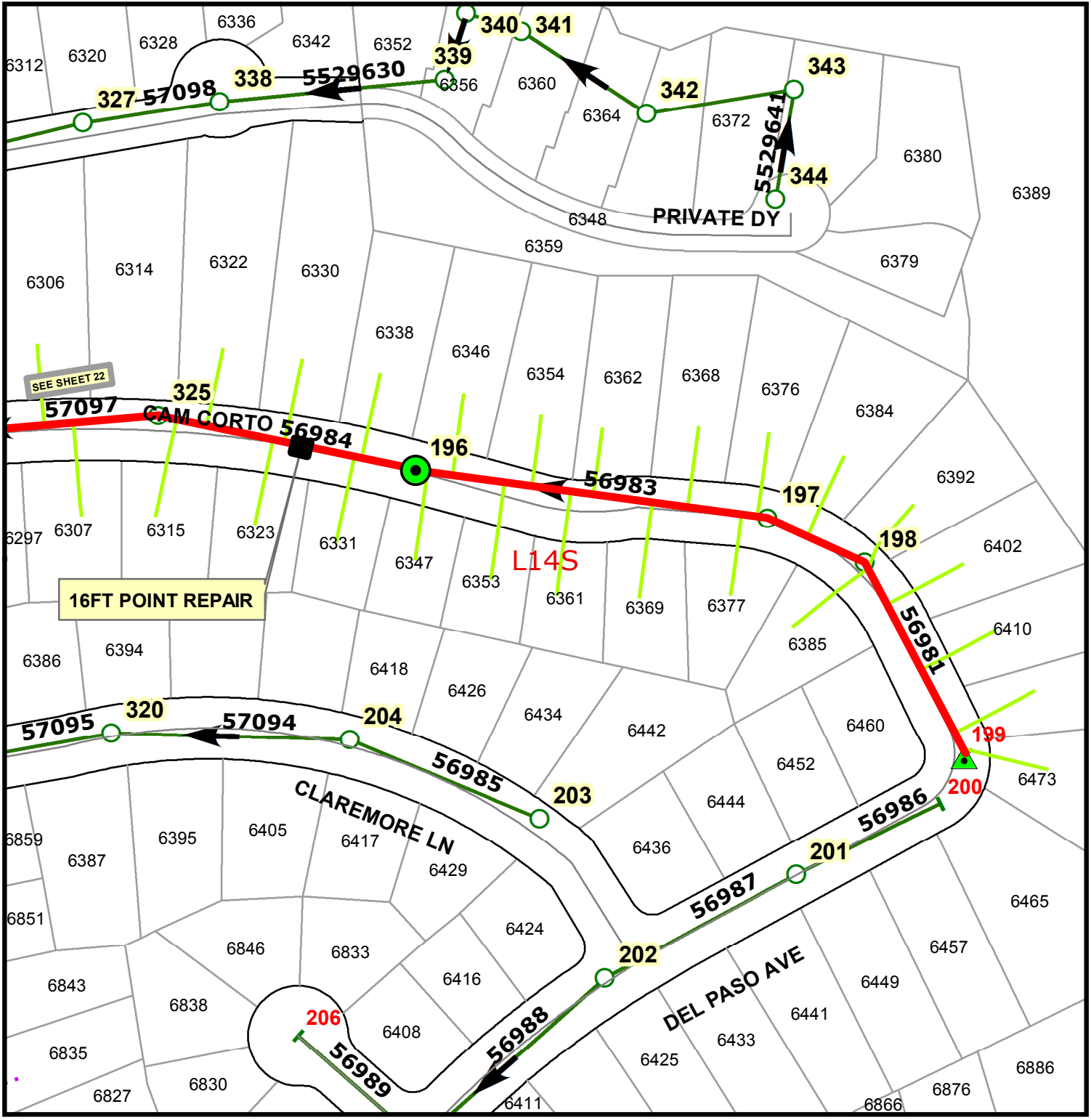
Legend			
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	PROP POINT REPAIR & REHAB		PROP MH REPLACE
	PROP REPLACE		EX MH
	PROP_REHAB_LAT_UNDER_7FT		PROP STREET CO
	PROP_REHAB_LAT_OVER_7FT		EX SEWER PLUG
	PROP_SEWER_LAT_TO_BE_REPLACE		
	EX MAIN NOT PART OF SCOPE OF WORK		

Not To Scale

The City of **SAN DIEGO** Public Works

PIPELINE REHABILITATION AN-1		WBS #: B-16135
SHEET NO. 21	FSN 57091-57092-57093	THOMAS BROS: 1250 FIELD BOOK: L14S

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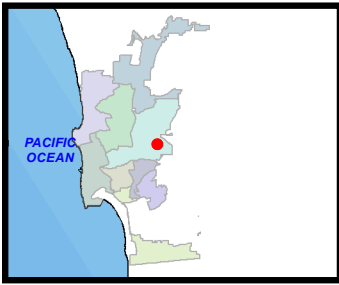
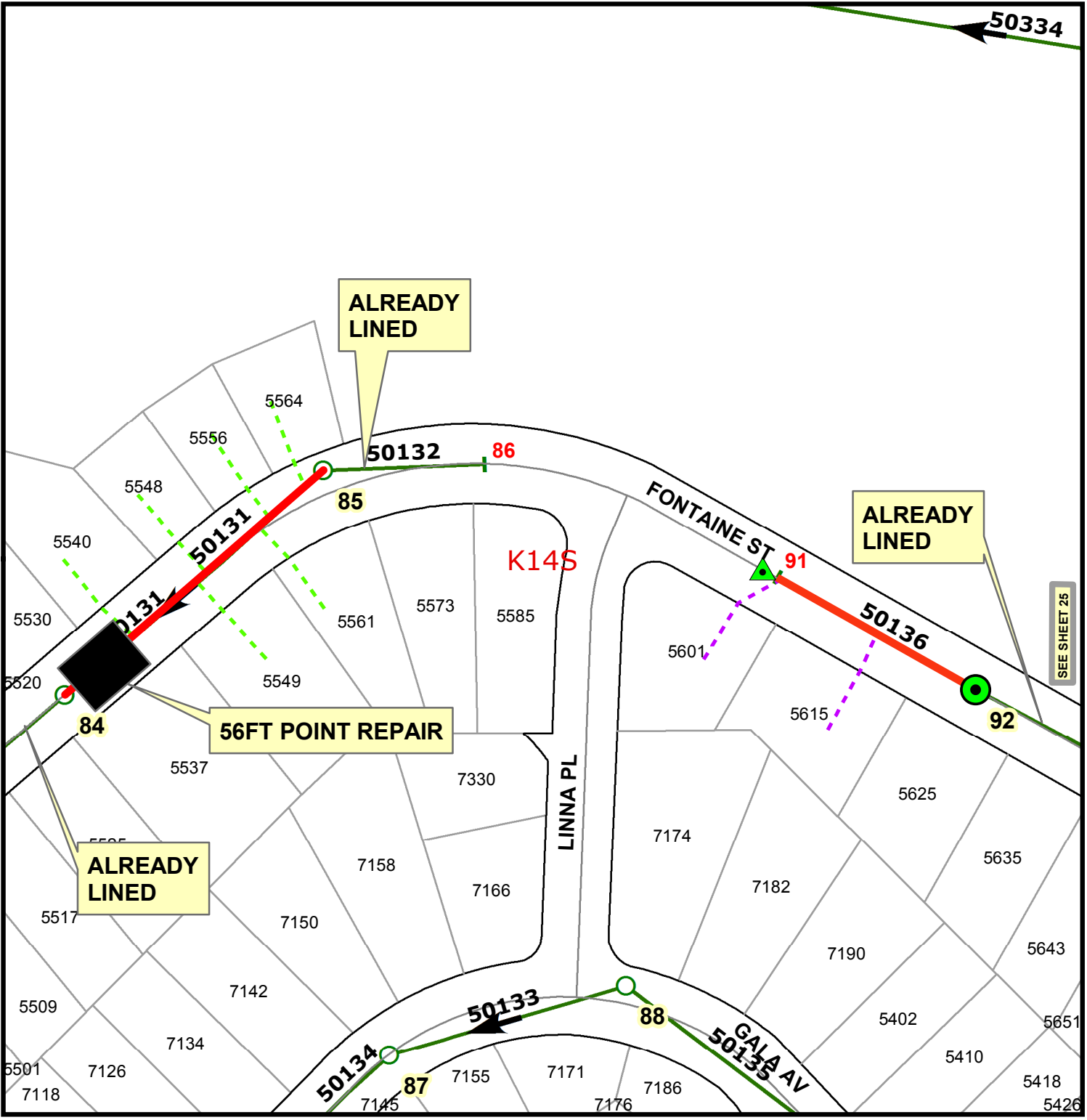
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 23	FSN 56981, 56982, 56983, 56984	THOMAS BROS: 1250 FIELD BOOK: L14S

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Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

The City of
SAN DIEGO Public Works

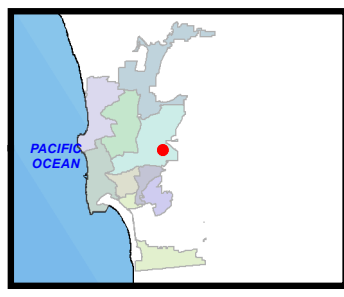
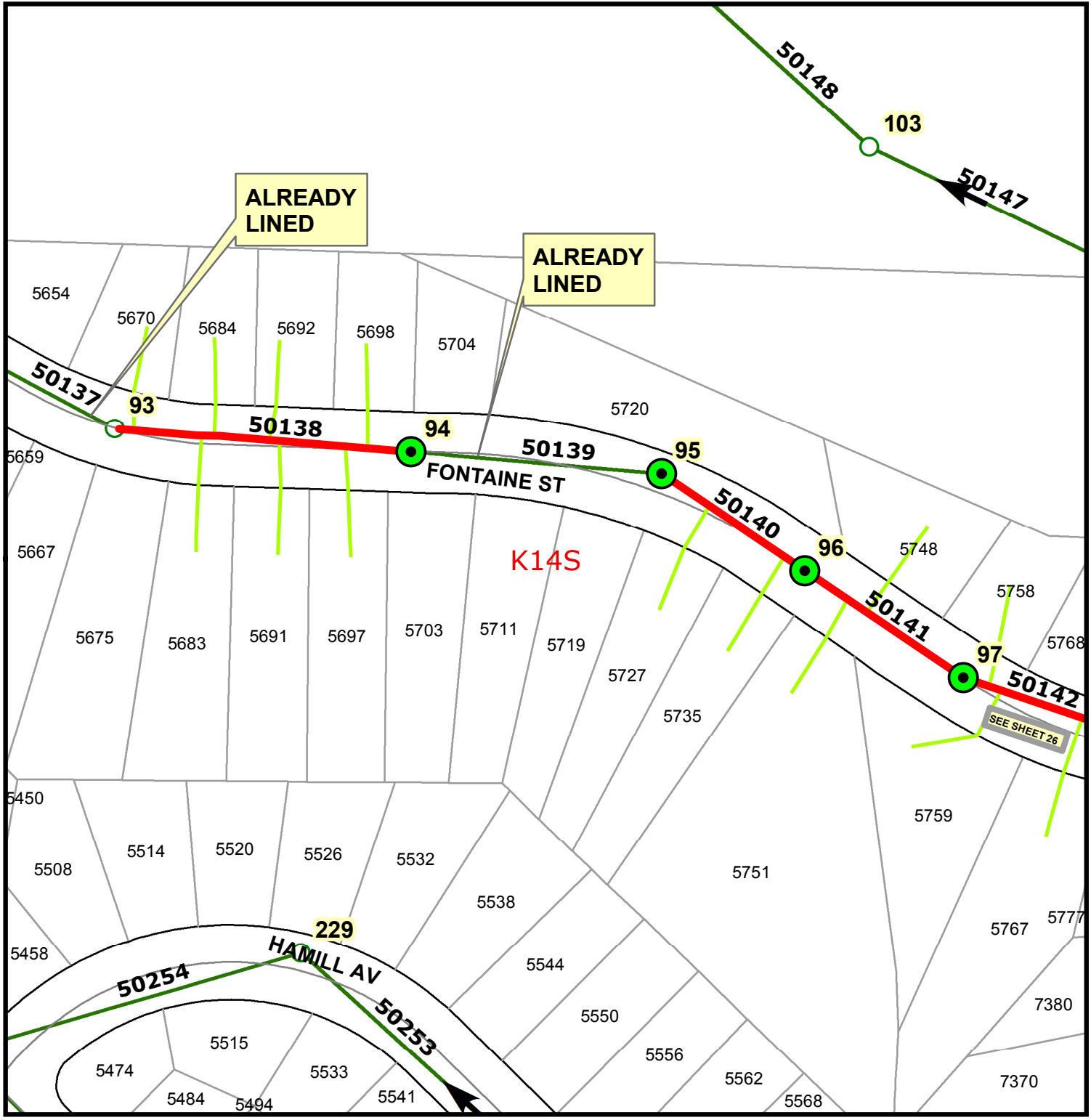
PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 24 **FSN 50131, 50136**

THOMAS BROS: 1250
FIELD BOOK: K14S

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Legend

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- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

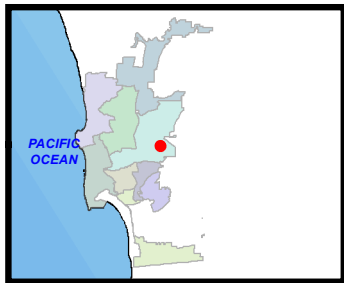
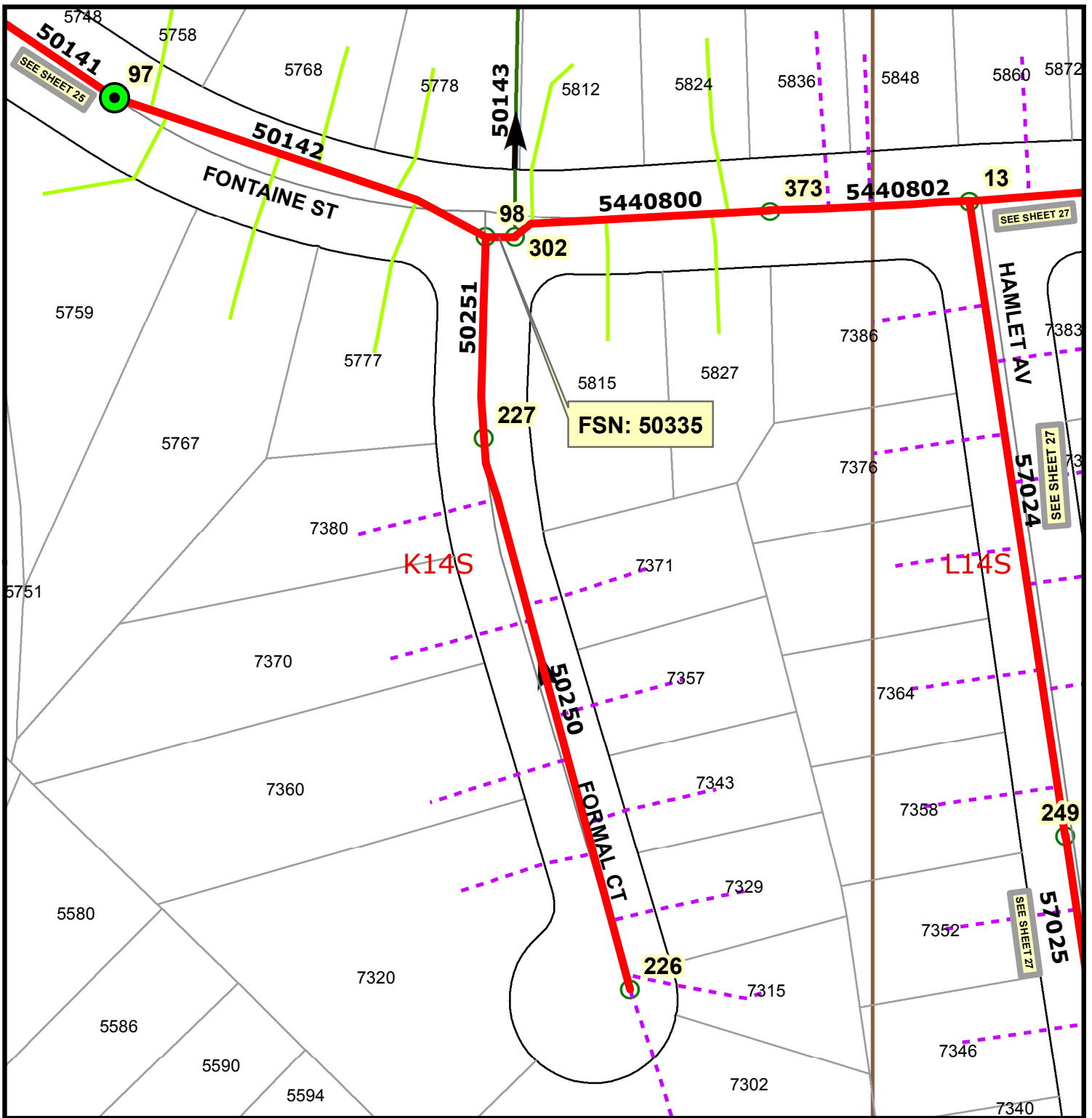
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 25 **FSN 50138, 50140, 50141** THOMAS BROS: 1250
 FIELD BOOK: K14S

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Legend

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- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
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- | EX SEWER PLUG

Not To Scale

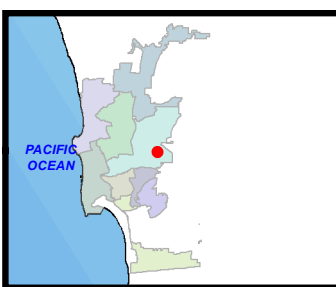
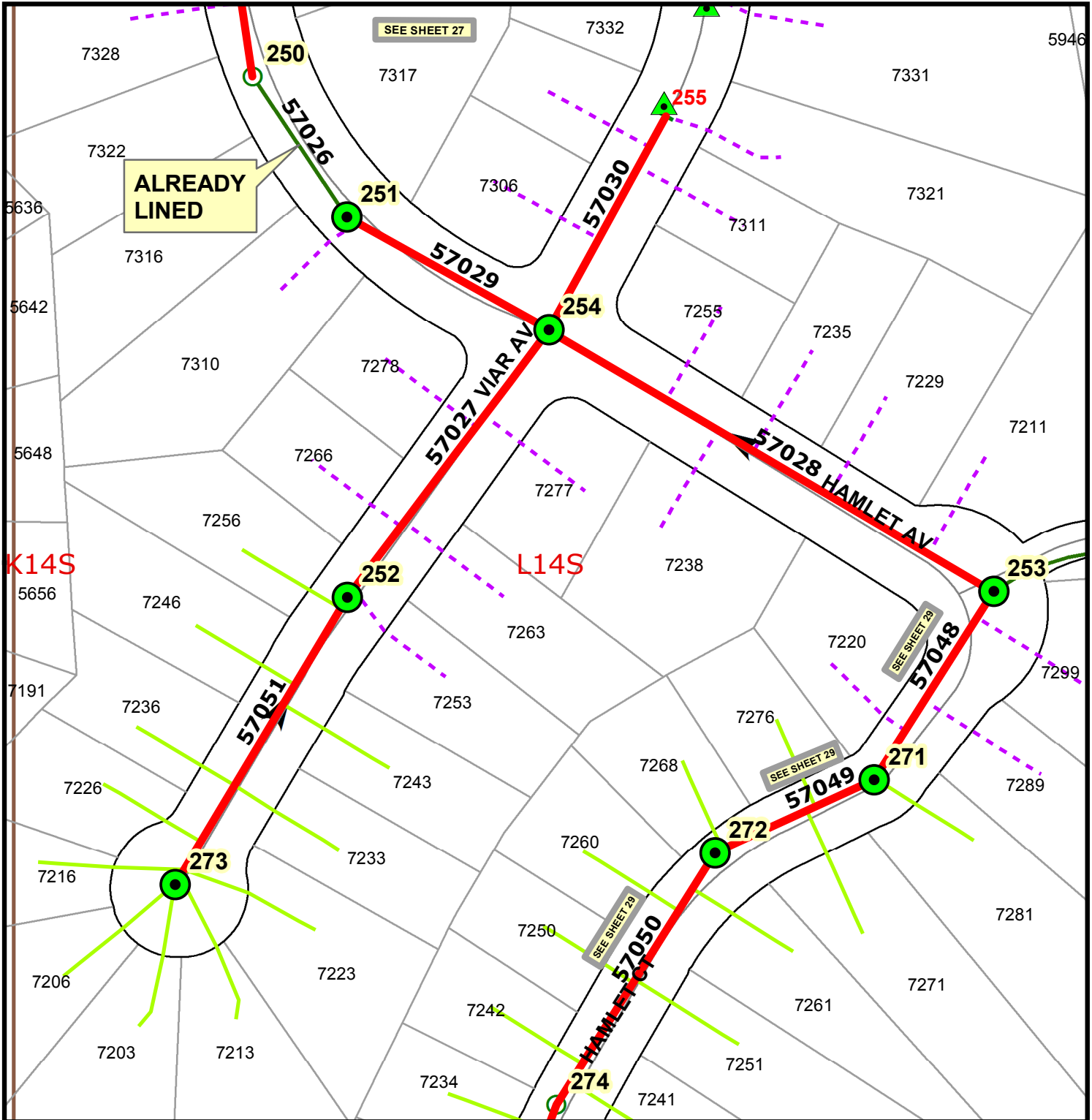
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 26	<u>FSN</u> 50142, 50250, 50251, 50335, 5440800, 5440802	THOMAS BROS: 1250 FIELD BOOK: K14S/ L14S
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Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

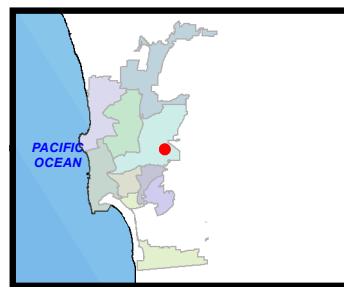
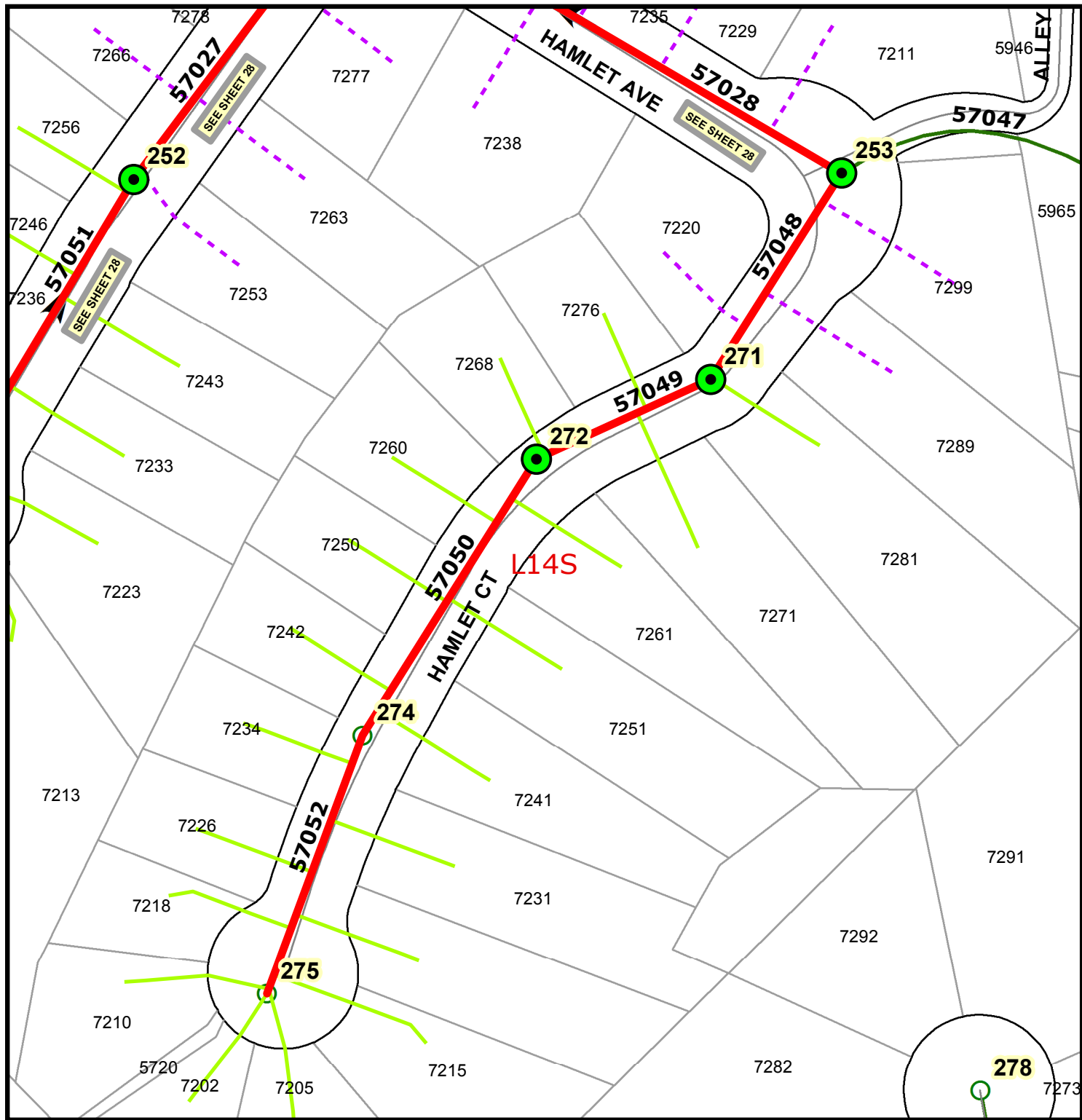
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 28	FSN 57027, 57028, 57029, 57030, 57051	THOMAS BROS: 1250 FIELD BOOK: L14S
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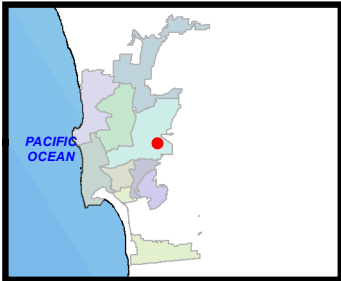
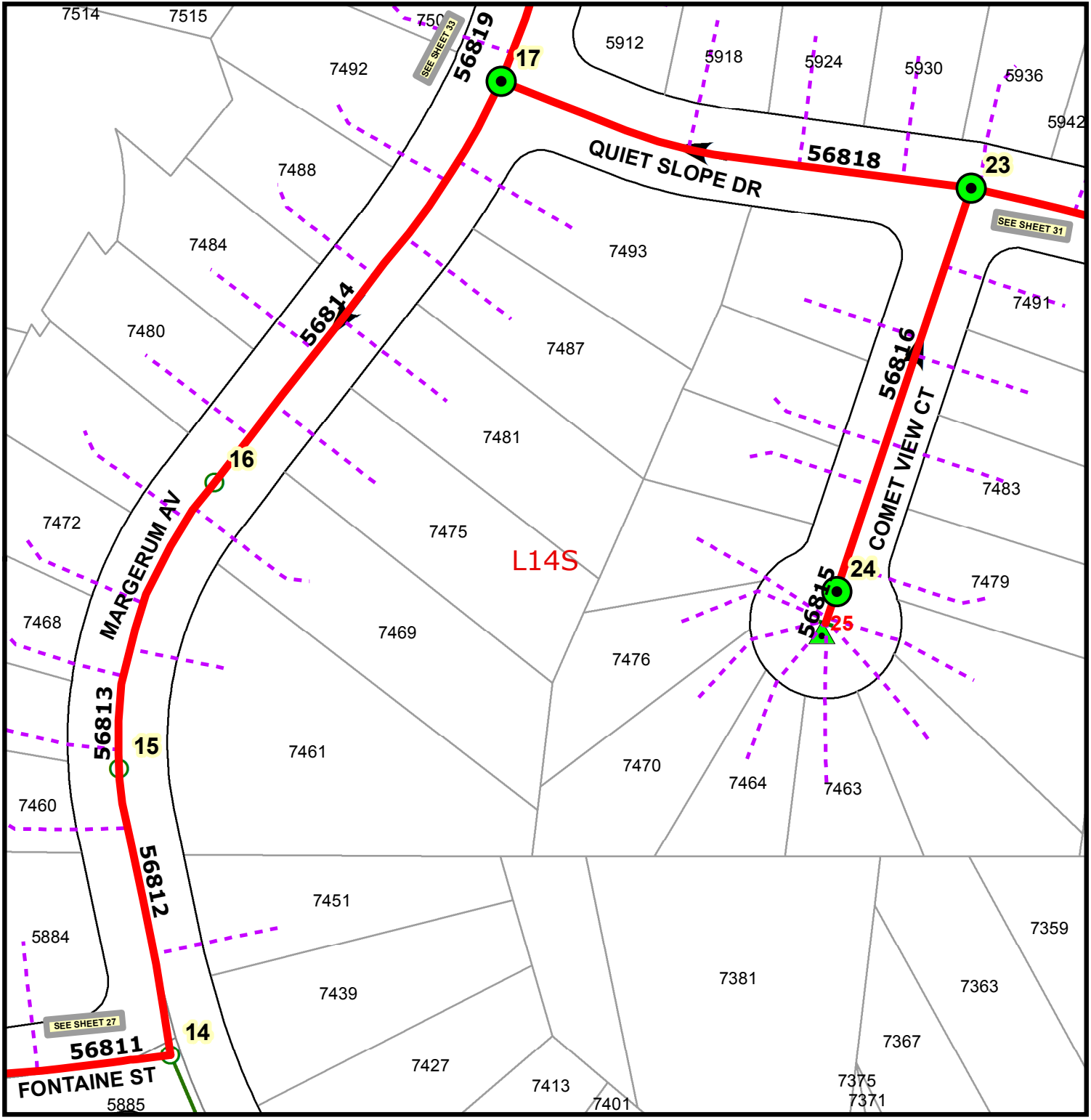
Legend

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- PROP POINT REPAIR & REHAB
- PROP REPLACE
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- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 29	<u>FSN</u>	57048, 57049, 57050, 57052

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Legend

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- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
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- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

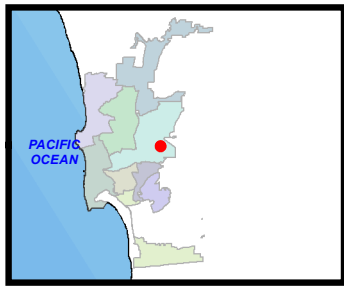
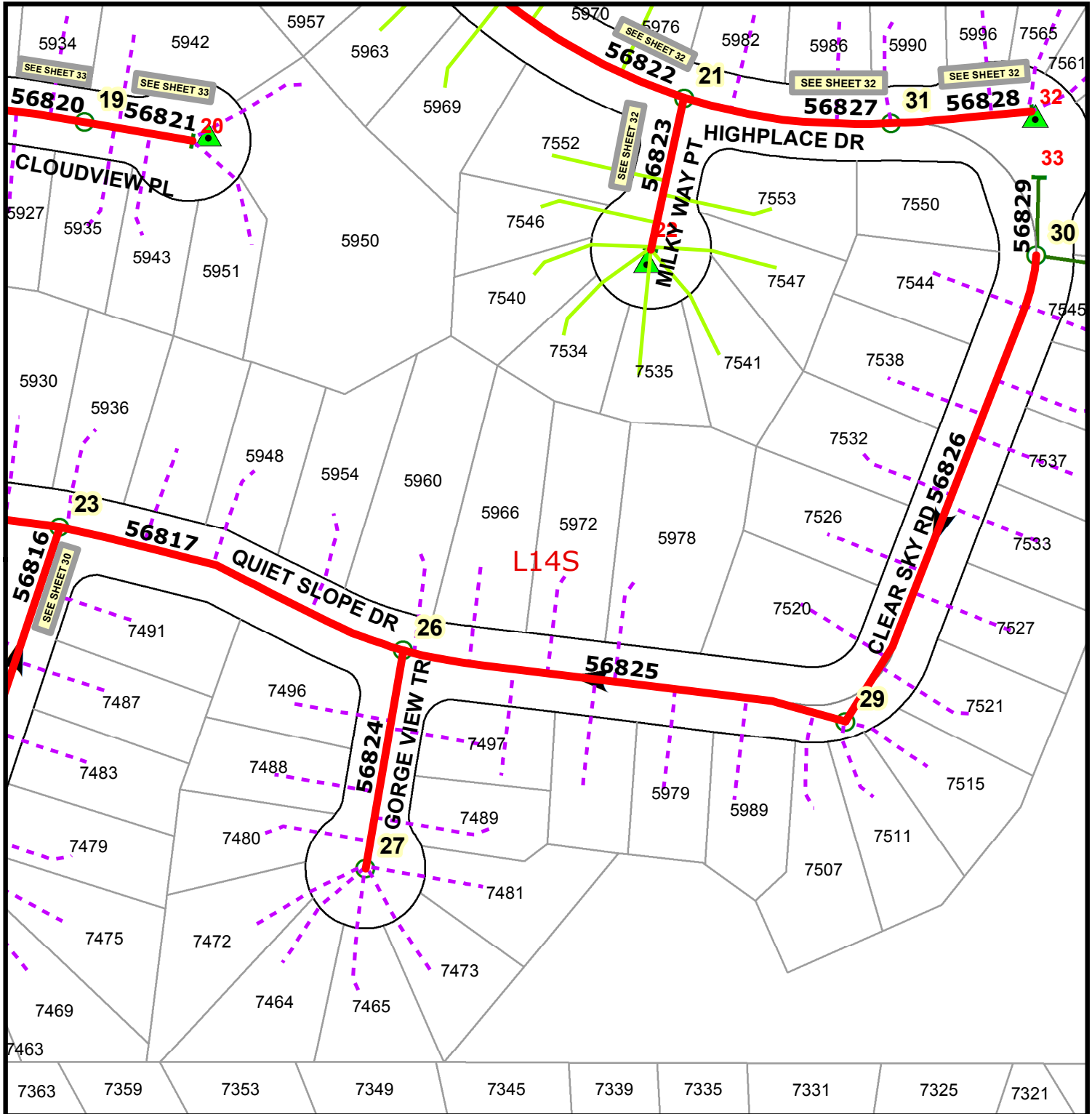
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 30	FSN	56812, 56813, 56814, 56815, 56816, 56818	THOMAS BROS: 1250 FIELD BOOK: L14S
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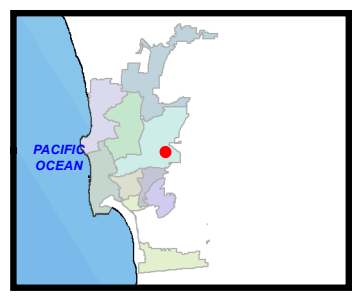
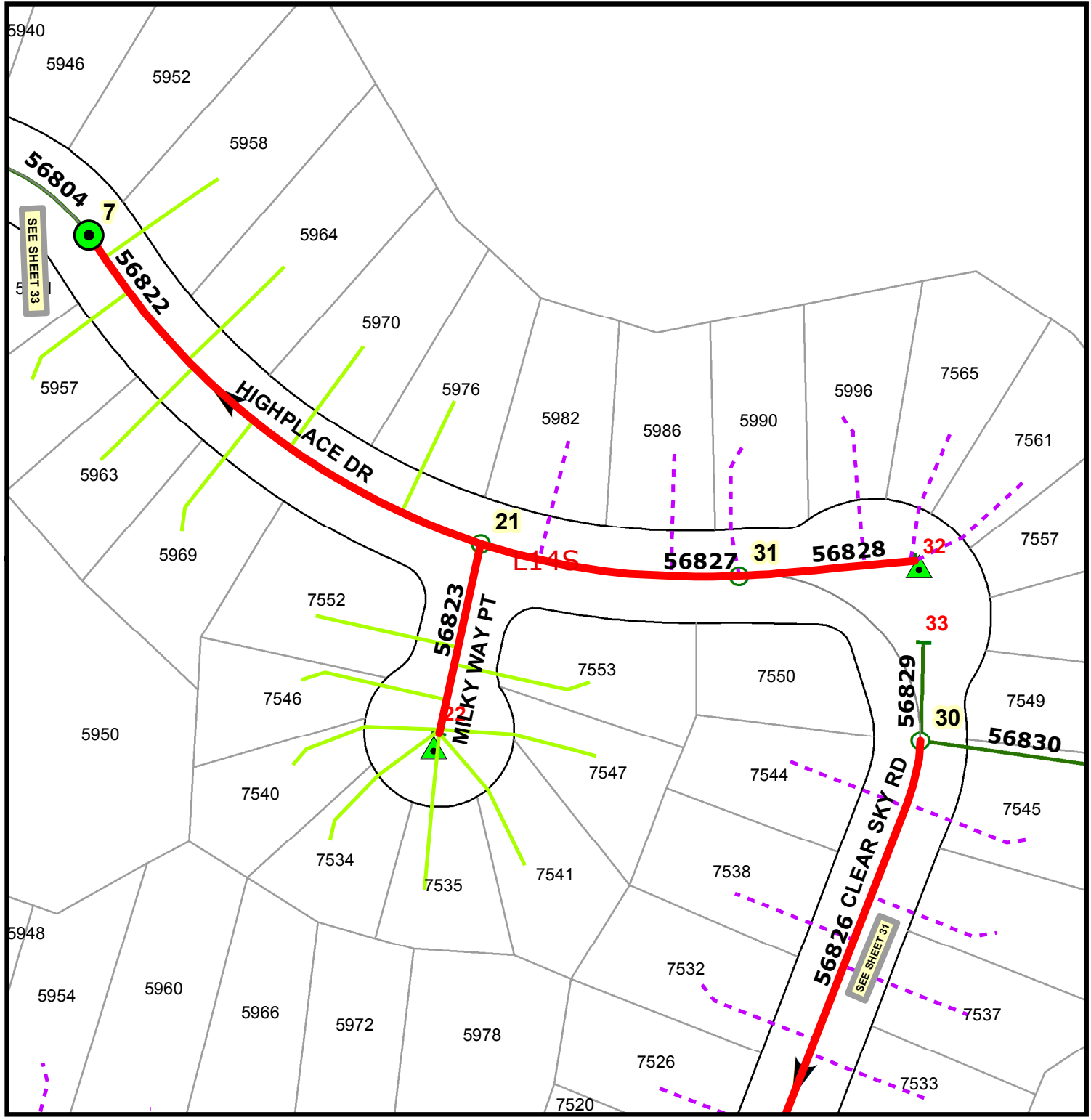
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
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- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 31	FSN 56817, 56824, 56825, 56826	THOMAS BROS: 1250 FIELD BOOK: L14S

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Legend

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- EX MAIN NOT PART OF SCOPE OF WORK
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- | EX SEWER PLUG

Not To Scale

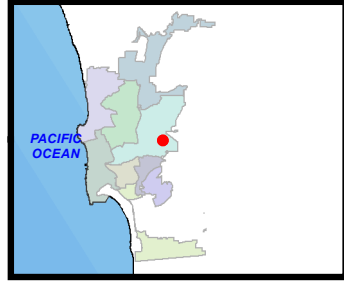
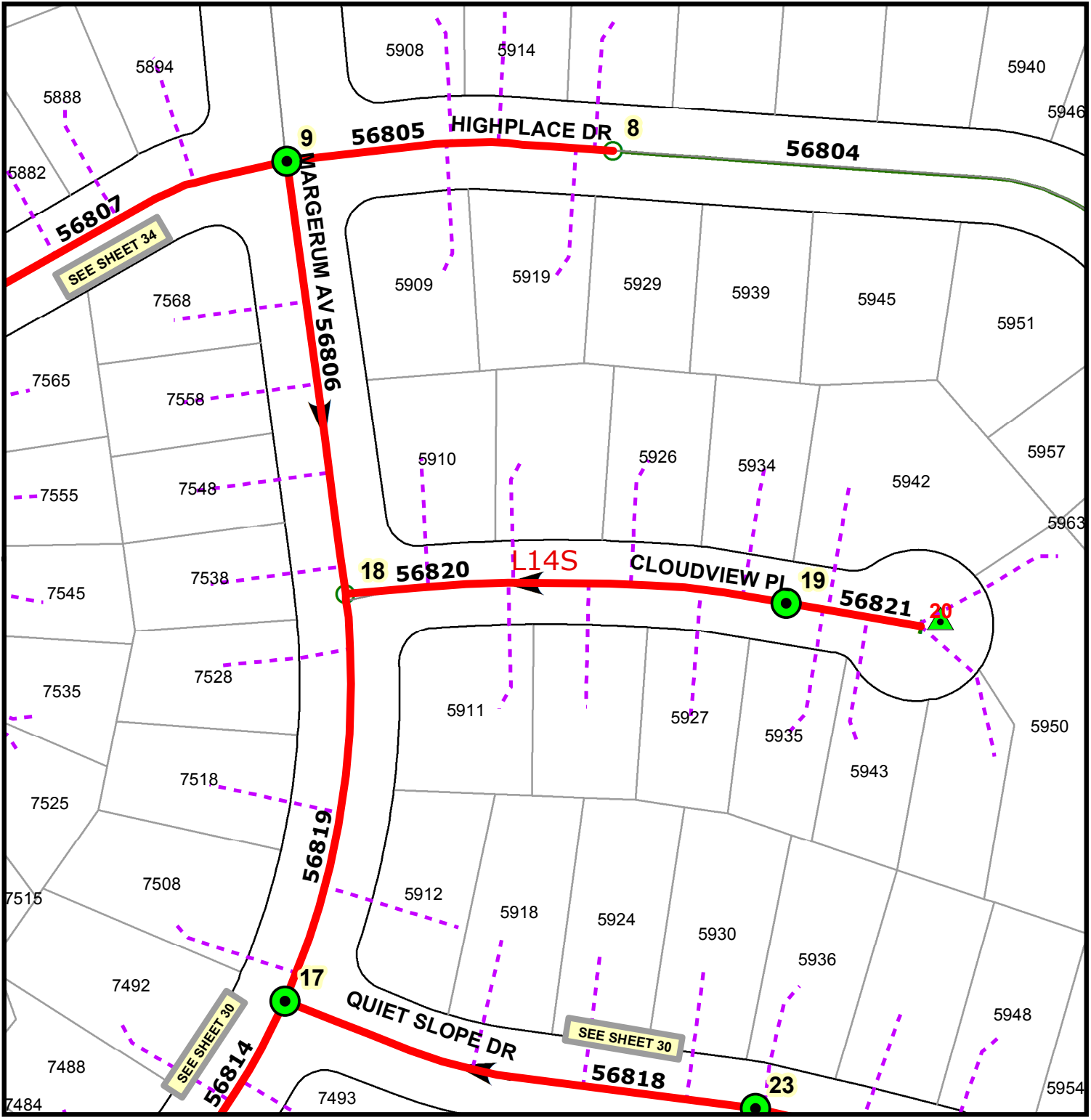
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 32	<u>FSN</u> 56822, 56823, 56827, 56828	THOMAS BROS: 1250 FIELD BOOK: L14S
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Legend

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- PROP MH REHAB
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- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

The City of

SAN DIEGO Public Works

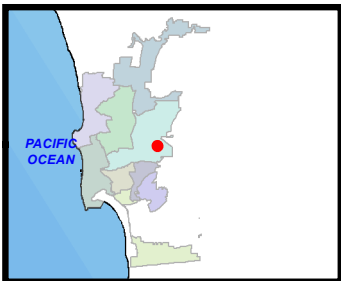
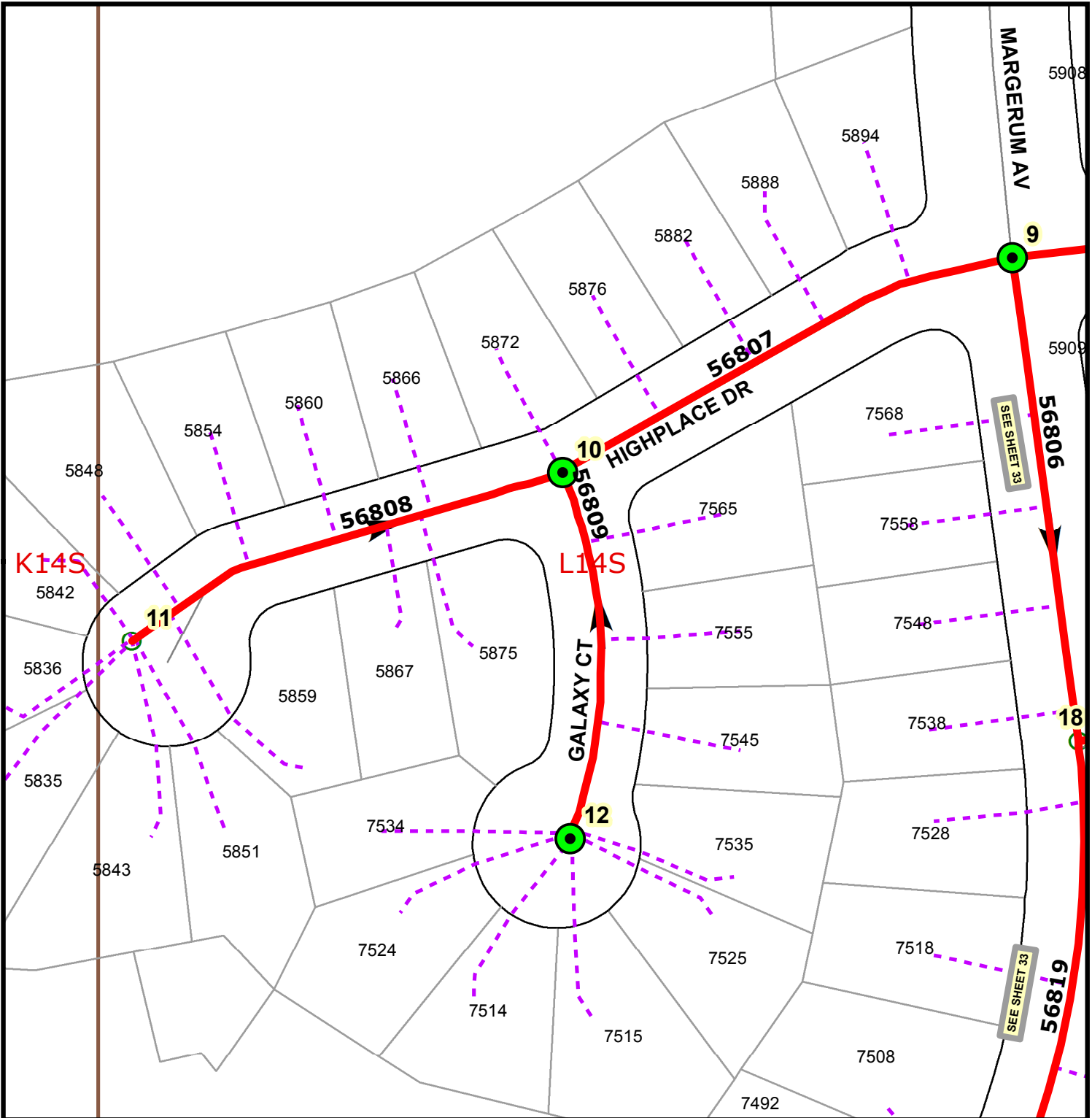
PIPELINE REHABILITATION AN-1

SHEET NO. 33 **FSN 56805, 56806, 56819, 56820, 56821**

WBS #: B-16135

THOMAS BROS: 1250
FIELD BOOK: L14S

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Legend

- PROP MAIN REHAB
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- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

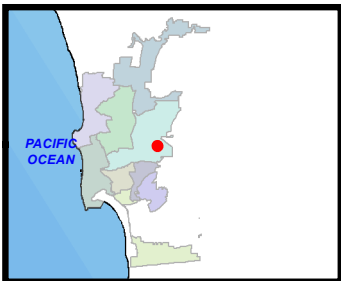
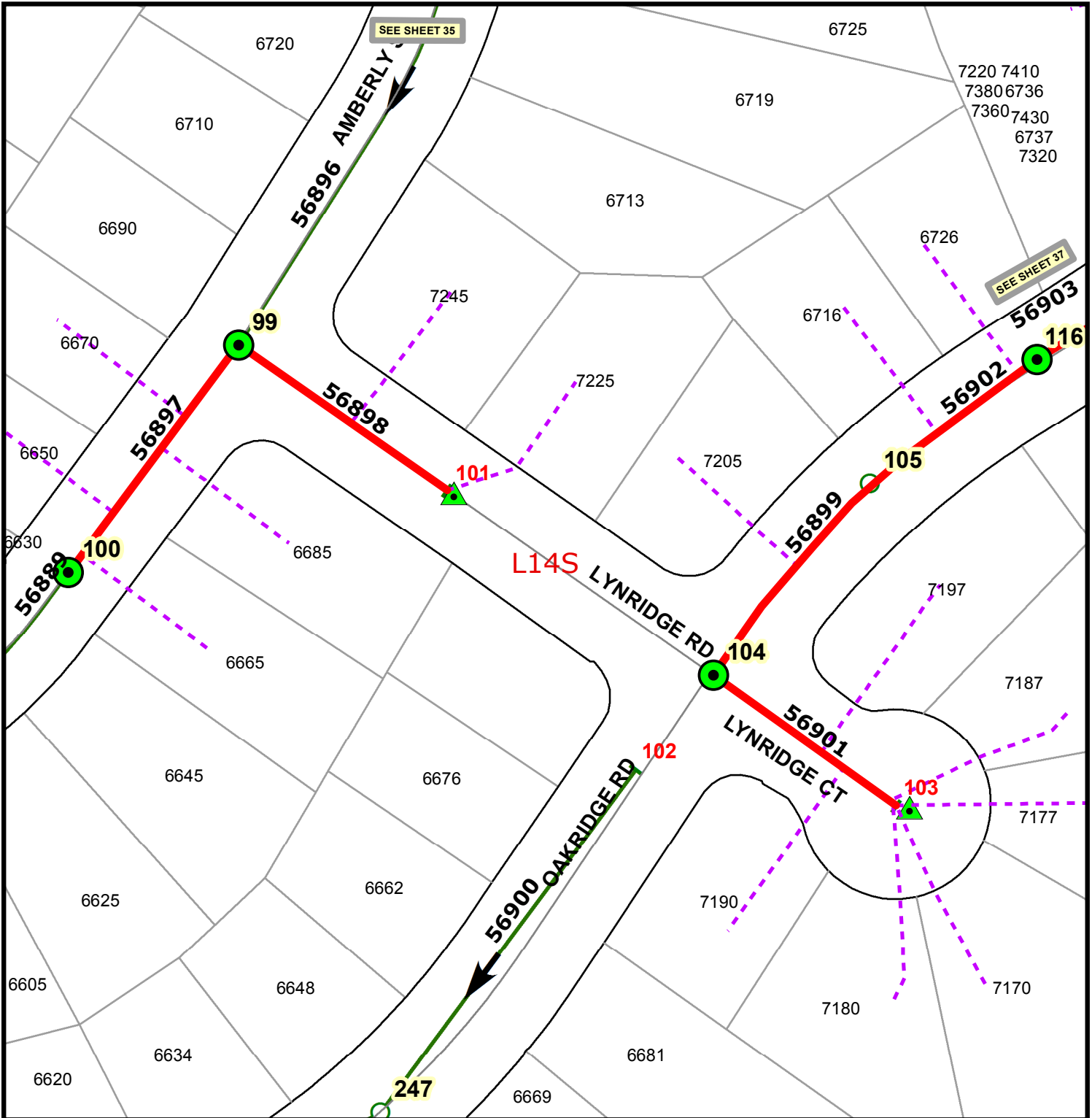
The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1

**WBS #:
B-16135**

SHEET NO. 34 **FSN 56807, 56808, 56809** THOMAS BROS: 1250
 FIELD BOOK: L14S

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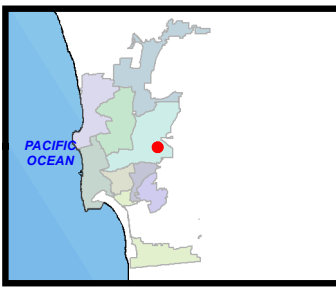
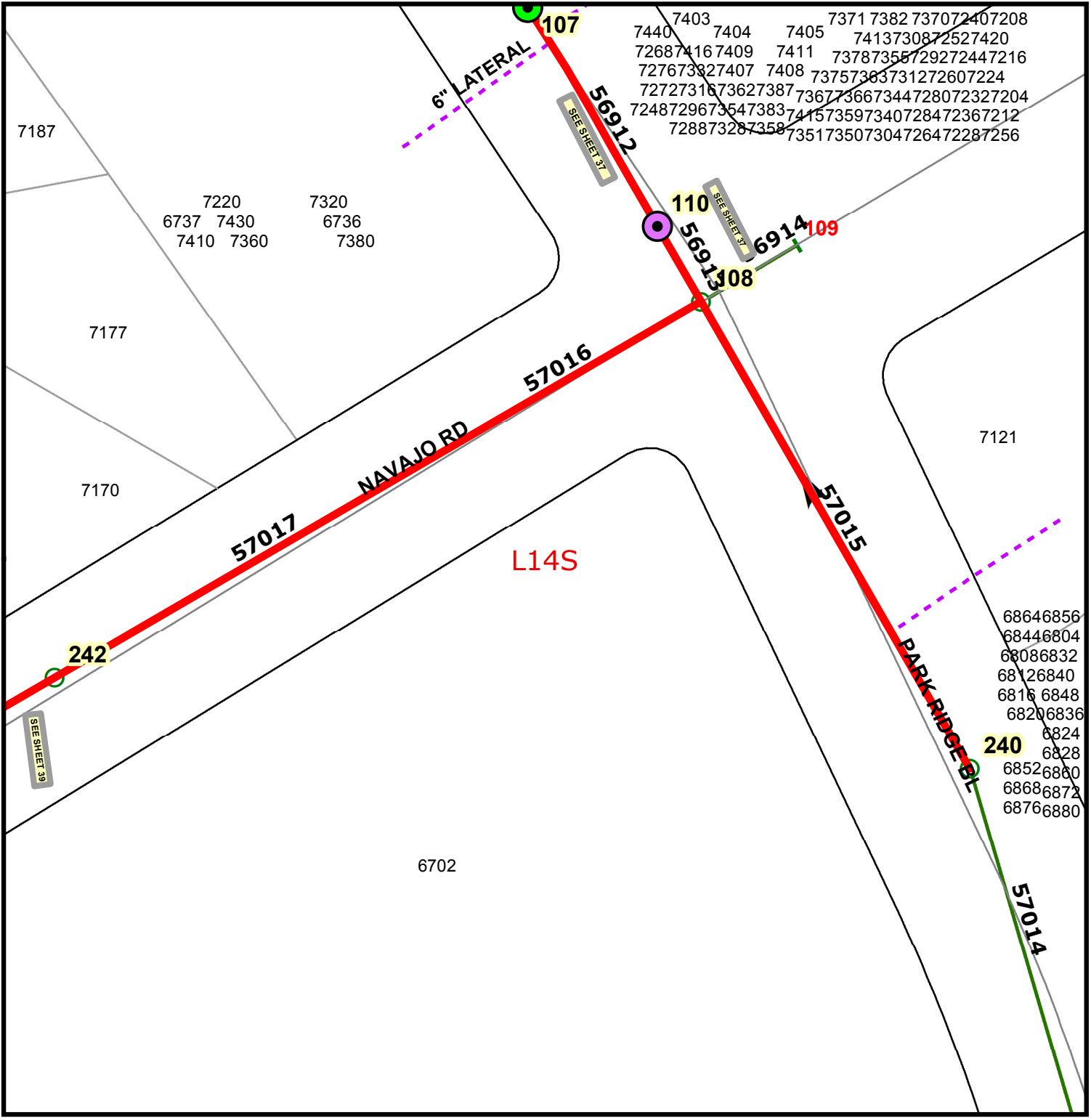
Legend			
	PROP MAIN REHAB		PROP MH REHAB
	PROP POINT REPAIR & REHAB		PROP MH REPLACE
	PROP REPLACE		EX MH
	PROP_REHAB_LAT_UNDER_7FT		PROP STREET CO
	PROP_REHAB_LAT_OVER_7FT		EX SEWER PLUG
	PROP_SEWER_LAT_TO_BE_REPLACE		
	EX MAIN NOT PART OF SCOPE OF WORK		

Not To Scale

The City of
SAN DIEGO Public Works

PIPELINE REHABILITATION AN-1		WBS #: B-16135
SHEET NO. 36	FSN 56897, 56898, 56899, 56901, 56902	THOMAS BROS: 1250 FIELD BOOK: L14S

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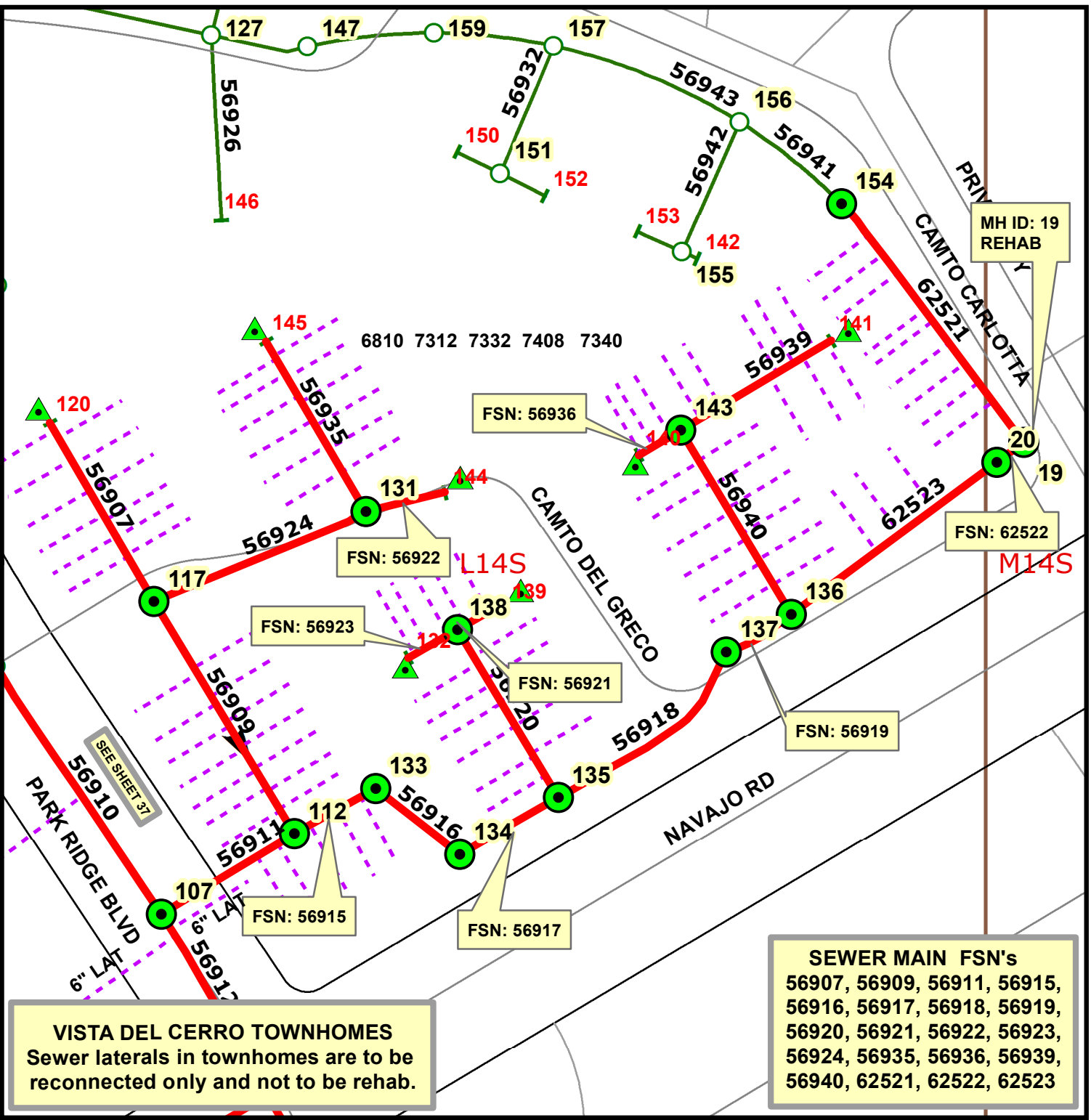
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACED
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

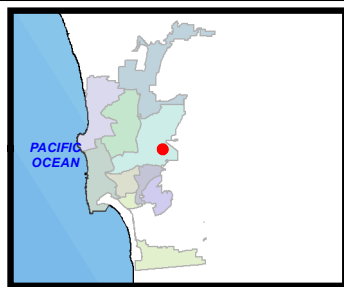
	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 38	FSN 57015, 57016, 57017	THOMAS BROS: 1250 FIELD BOOK: L14S

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VISTA DEL CERRO TOWNHOMES
Sewer laterals in townhomes are to be reconnected only and not to be rehab.

- SEWER MAIN FSN's**
56907, 56909, 56911, 56915,
56916, 56917, 56918, 56919,
56920, 56921, 56922, 56923,
56924, 56935, 56936, 56939,
56940, 62521, 62522, 62523



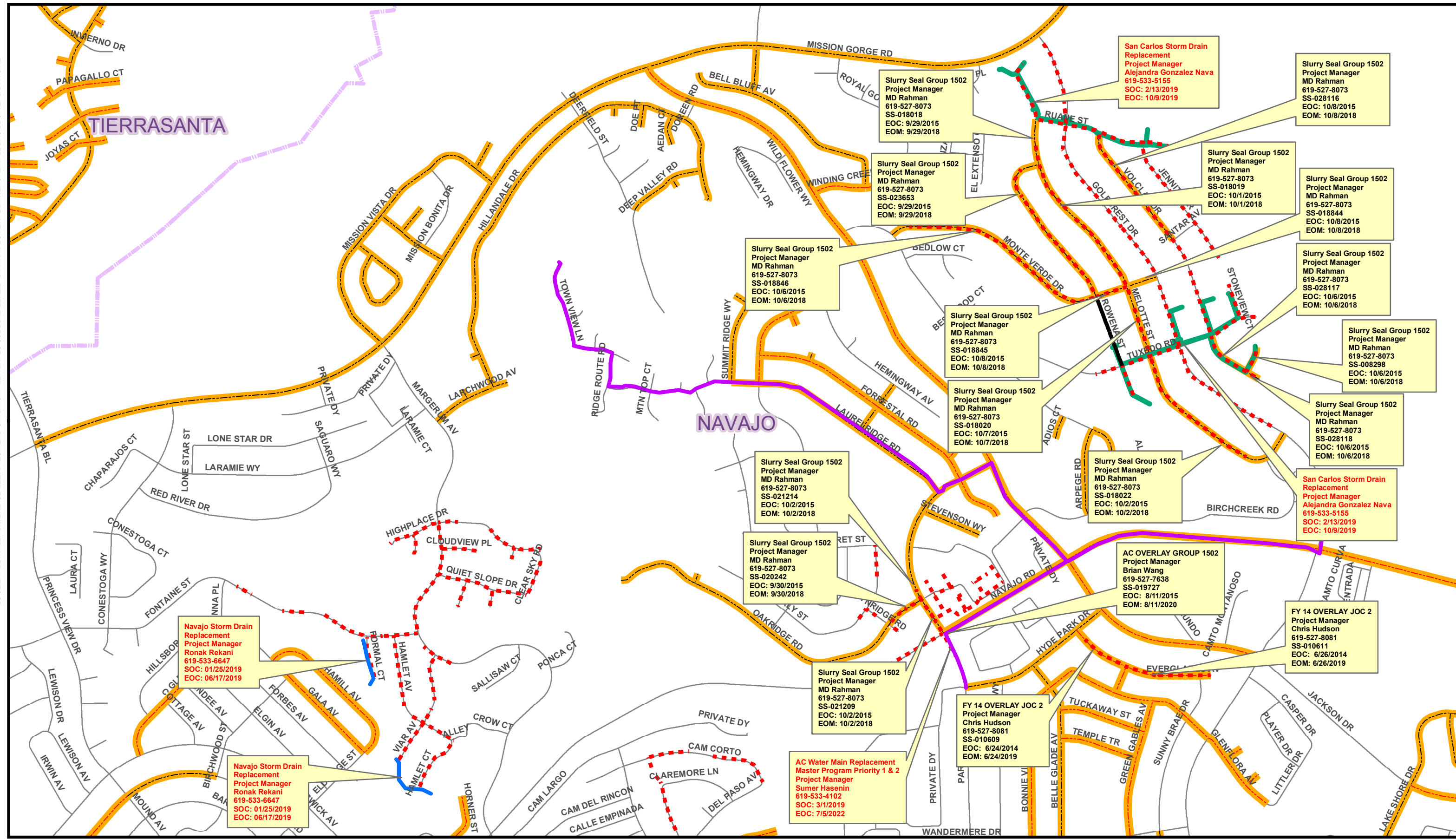
Legend

- PROP MAIN REHAB
- PROP POINT REPAIR & REHAB
- PROP REPLACE
- PROP_REHAB_LAT_UNDER_7FT
- - - PROP_REHAB_LAT_OVER_7FT
- - - PROP_SEWER_LAT_TO_BE_REPLACE
- EX MAIN NOT PART OF SCOPE OF WORK
- PROP MH REHAB
- PROP MH REPLACE
- EX MH
- ▲ PROP STREET CO
- | EX SEWER PLUG

Not To Scale

	PIPELINE REHABILITATION AN-1		WBS #: B-16135
	SHEET NO. 40	<u>FSN</u> SEE ABOVE	THOMAS BROS: 1250 FIELD BOOK: L14S/ M14S

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The City of **SAN DIEGO** Public Works

Legend

- PROP MAIN REHAB AN-1
- PROP REPLACE
- SAN CARLOS STORM DRAIN REPLACE
- NAVAJO STORM DRAIN REPLACEMENT
- GS Streets - Overlay
- GS Streets - Slurry
- AC WATER MAIN REPLACE MASTER PROGRAM PRIORITY 1 & 2

NOTES:

END OF CONSTRUCTION ---- EOC

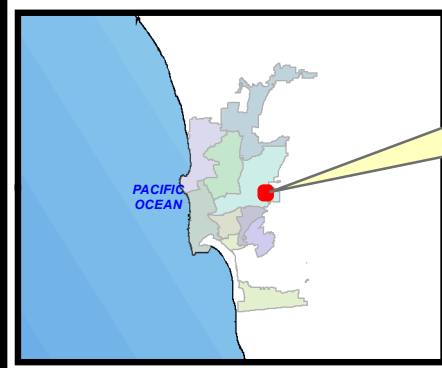
END OF MORATORIUM ----- EOM

START OF CONSTRUCTION ---- SOC

PIPELINE REHABILITATION AN-1

SHEET NO. 41 CONFLICT MAP WBS: B-16135

Not To Scale



PROJECT LOCATION

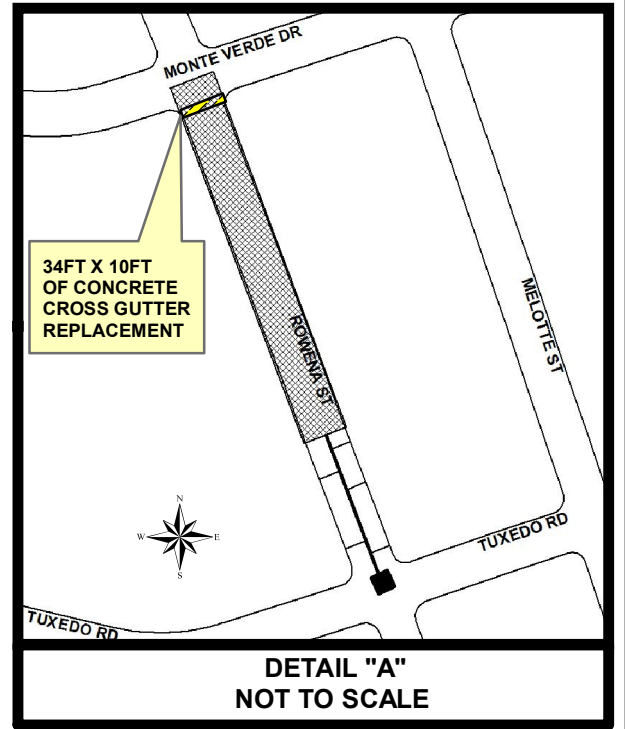
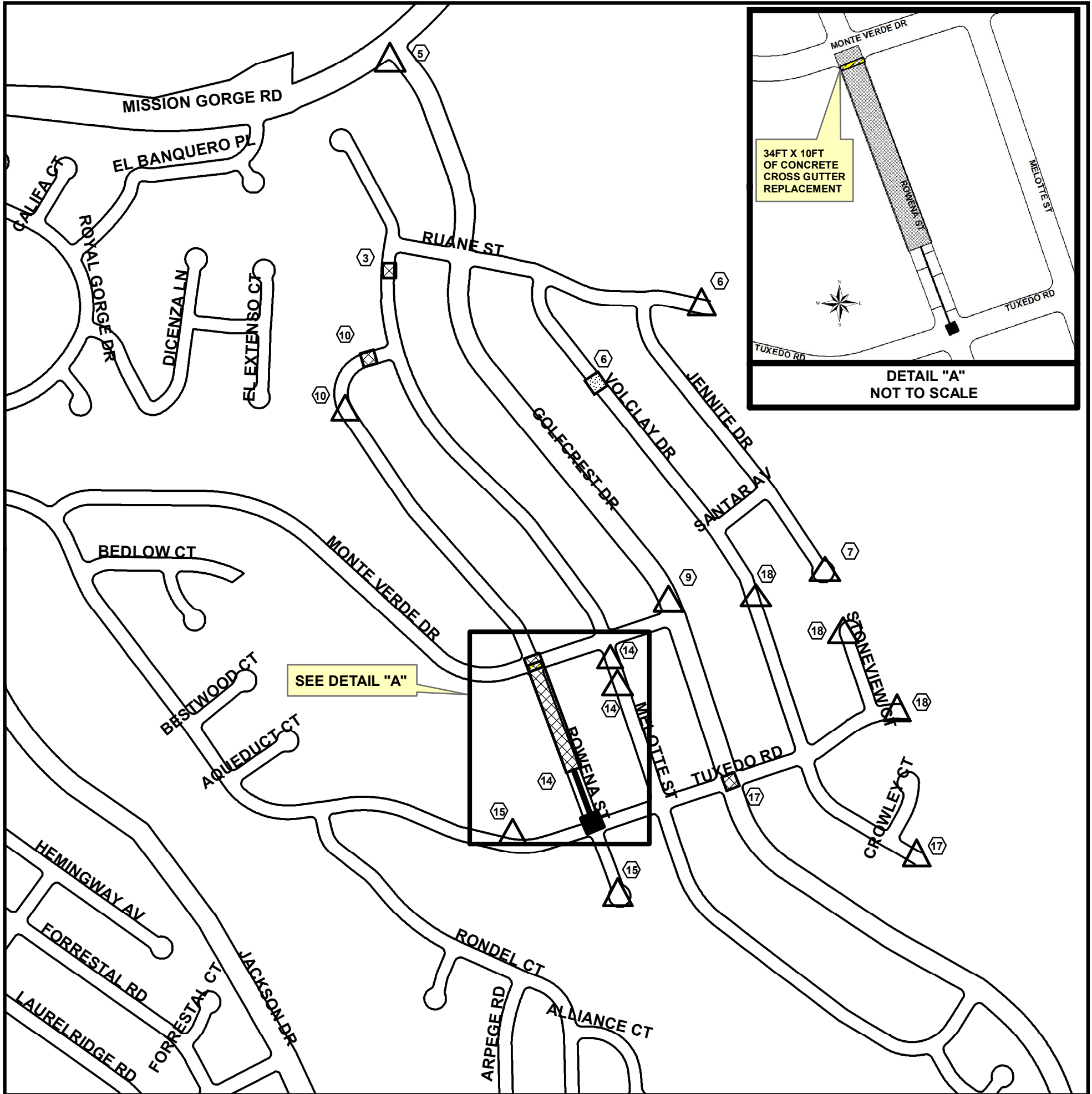
PIPELINE REHABILITATION AN-1

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SAL CASTILLO
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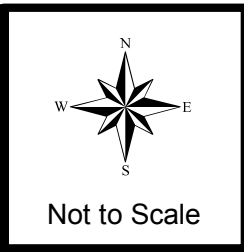
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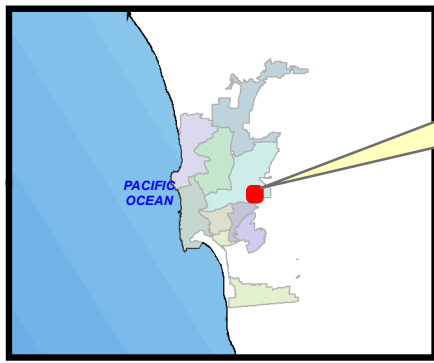
LEGEND	
	APPROXIMATE LOCATION OF 4' x 204' AC TYPE I OVER TYPE II CLASS F (816 SF)
	APPROXIMATE LOCATION OF 2' x 18' AC TYPE I OVER TYPE II CLASS F (180 SF) FOR LATERALS
	APPROXIMATE LOCATION OF 8' x 8' AC TYPE I OVER TYPE II CLASS F
	APPROXIMATE LOCATION OF 4' x 4' SLURRY SEAL PATCH
	APPROXIMATE LOCATION OF 8' x 8' SLURRY SEAL PATCH
	APPROXIMATE LOCATION OF 4' x 10' SLURRY SEAL PATCH
	APPROXIMATE LOCATION OF 36' x 521' SLURRY SEAL (18,756 SF)
	EXHIBIT PLAN MAPS SHEETS SCHEDULE NOTES

PAVING SCHEDULE NOTES			
SHEET NO.	STREET LOCATION	RESTORATION REQUIRED	APPROX. AREA
5	GOLFCREST DRIVE	SLURRY SEAL	16 SF
9	GOLFCREST DRIVE	SLURRY SEAL	16 SF
6	RUANE STREET	SLURRY SEAL	16 SF
6	VOLCLAY DRIVE	SLURRY SEAL	64 SF
17	VOLCLAY DRIVE	SLURRY SEAL	16 SF
18	VOLCLAY DRIVE	SLURRY SEAL	16 SF
7	JENNITE DRIVE	SLURRY SEAL	16 SF
18	STONEVIEW COURT	SLURRY SEAL	16 SF
15	TUXEDO ROAD	SLURRY SEAL	16 SF
18	TUXEDO ROAD	SLURRY SEAL	16 SF
17	TUXEDO ROAD	SLURRY SEAL	40 SF
14	MELOTTE STREET	SLURRY SEAL	16 SF
14	MELOTTE STREET	SLURRY SEAL	16 SF
3	MELOTTE STREET	SLURRY SEAL	40 SF
10	ROWENA STREET	SLURRY SEAL	16 SF
15	ROWENA STREET	SLURRY SEAL	16 SF
10	ROWENA STREET	SLURRY SEAL	40 SF
14	ROWENA STREET	SLURRY SEAL	18,756 SF
14	ROWENA STREET	AC TYPE I OVER TYPE II CLASS F	64 SF
14	ROWENA STREET	AC TYPE I OVER TYPE II CLASS F	180 SF
14	ROWENA STREET	AC TYPE I OVER TYPE II CLASS F	816 SF
TOTAL AREA OF SLURRY SEAL			19,148 SF
TOTAL AREA OF AC TYPE I OVER TYPE II CLASS F			1,060 SF

PIPE REHABILITATION AN-1
 COMMUNITY NAME: NAVAJO
 COUNCIL DISTRICT: 7
 WBS: B-16135 (S)
 Date: July 24, 2017

STREET RESURFACING SHEET 42





PROJECT LOCATION

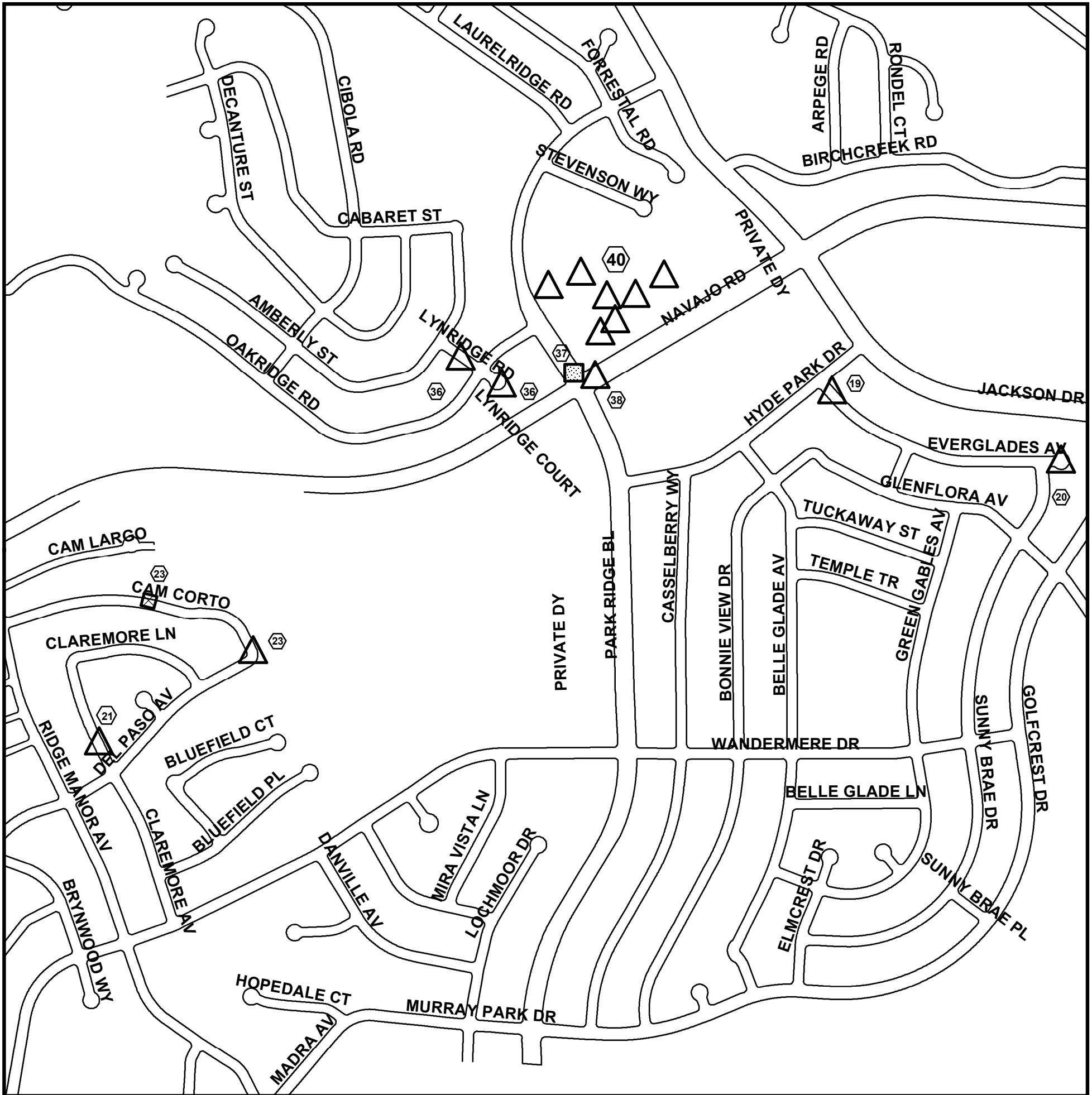
PIPELINE REHABILITATION AN-1

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LEGEND

- APPROXIMATE LOCATION OF 4' x 4' SLURRY SEAL PATCH
- APPROXIMATE LOCATION OF 8' x 8' SLURRY SEAL PATCH
- APPROXIMATE LOCATION OF 4' x 10' SLURRY SEAL PATCH
- EXHIBIT PLAN MAPS SHEETS SCHEDULE NOTES

PAVING SCHEDULE NOTES

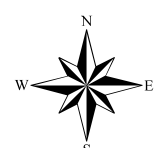
SHEET NO.	STREET LOCATION	RESTORATION REQUIRED	APPROX. AREA
(21)	CLAREMORE AVE	SLURRY SEAL	16 SF
(23)	CAMINO CORTO	SLURRY SEAL	16 SF
(23)	CAMINO CORTO	SLURRY SEAL	80 SF
(19)	EVERGLADES AVE	SLURRY SEAL	16 SF
(20)	EVERGLADES AVE	SLURRY SEAL	16 SF
(36)	LYNRIDGE ROAD	SLURRY SEAL	16 SF
(36)	LYNRIDGE COURT	SLURRY SEAL	16 SF
(38)	NAVAJO ROAD	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(40)	CAMINITO DEL GRECO	SLURRY SEAL	16 SF
(37)	PARK RIDGE BL	SLURRY SEAL	64 SF

TOTAL AREA OF SLURRY SEAL 368 SF

PIPE REHABILITATION AN-1

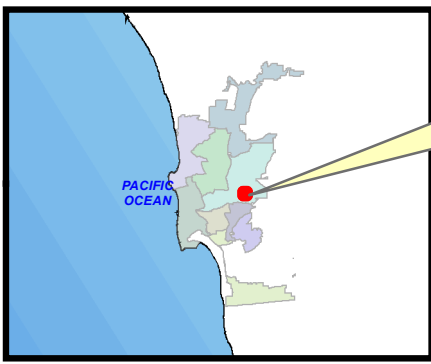
COMMUNITY NAME: NAVAJO
COUNCIL DISTRICT: 7

WBS: B-16135 (S)
Date: July 24, 2017



Not to Scale

STREET RESURFACING SHEET 43



PROJECT LOCATION

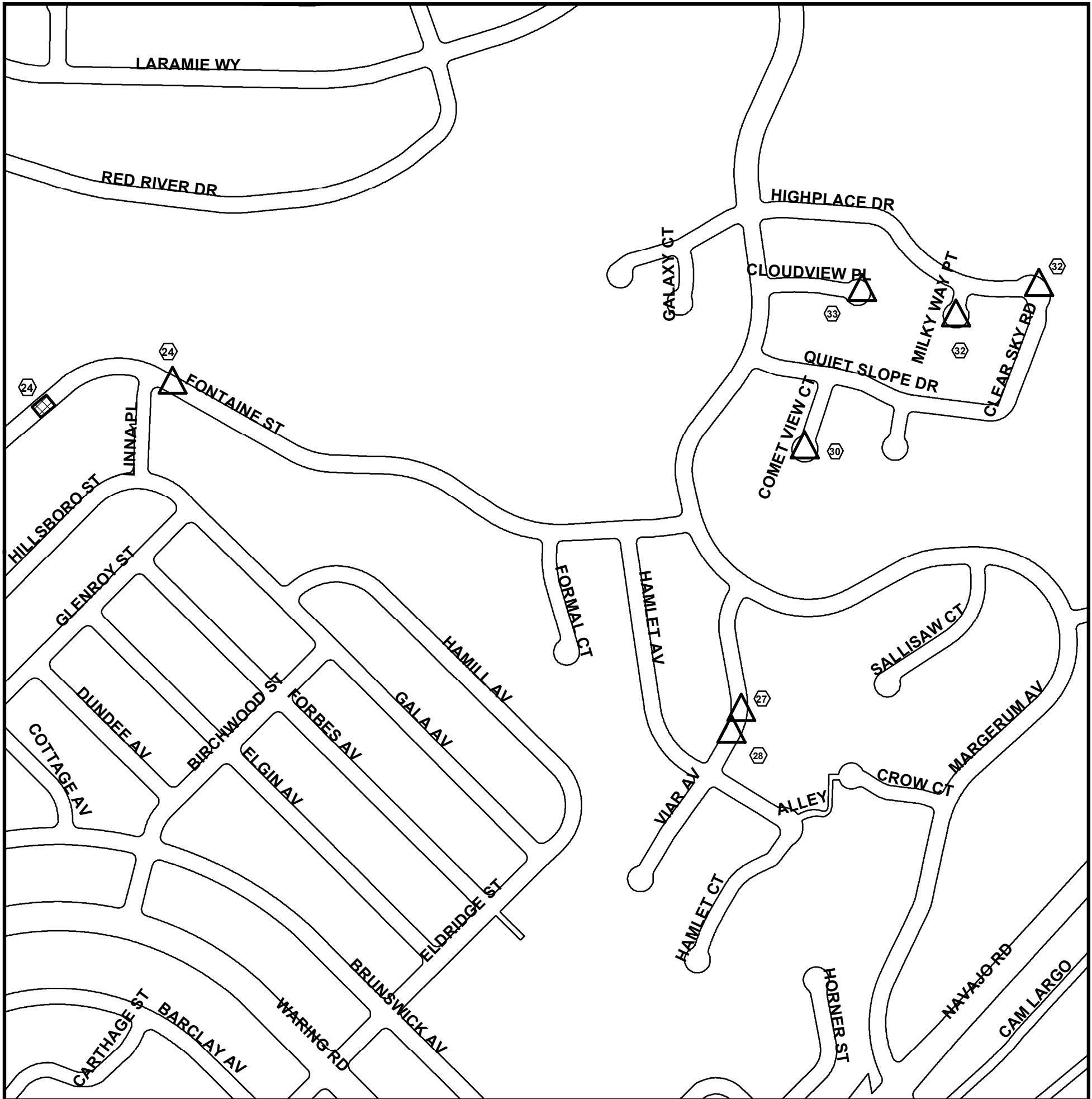
PIPELINE REHABILITATION AN-1

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LEGEND	
	APPROXIMATE LOCATION OF 4' x 4' SLURRY SEAL PATCH
	APPROXIMATE LOCATION OF 4' x 56' SLURRY SEAL PATCH
	EXHIBIT PLAN MAPS SHEETS SCHEDULE NOTES

PAVING SCHEDULE NOTES			
SHEET NO.	STREET LOCATION	RESTORATION REQUIRED	APPROX. AREA
24	FONATAINE STREET	SLURRY SEAL	224 SF
24	FONATAINE STREET	SLURRY SEAL	16 SF
27	VIAR AVE	SLURRY SEAL	16 SF
28	VIAR AVE	SLURRY SEAL	16 SF
30	COMET VIEW COURT	SLURRY SEAL	16 SF
32	HIGHPLACE DRIVE	SLURRY SEAL	16 SF
32	MILKY WAY PT	SLURRY SEAL	16 SF
33	CLOUDVIEW PLACE	SLURRY SEAL	16 SF
TOTAL AREA OF SLURRY SEAL 336 SF			

PIPE REHABILITATION AN-1

COMMUNITY NAME: NAVAJO WBS: B-16135 (S)
COUNCIL DISTRICT: 7 Date: July 24, 2017

STREET RESURFACING SHEET 44



APPENDIX L
SEWER LATERAL SCOPE OF WORK

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
1		SEWER LATERAL REPLACEMENTS WITH CLEAN OUTS					
2	PLAN MAP SHT #	LAT FSN	STREET NUMBER	STREET NAME	ST SUFFIX	SIZE	MATERIAL
3	10	UNK	UNK	ROWENA	ST	4"	VC
4	14	190098	6996	TUXEDO	RD	4"	VC
5	14	190073	7403	ROWENA	ST	4"	VC
6	14	313968	7413	ROWENA	ST	4"	VC
7	14	313976	7416	ROWENA	ST	4"	VC
8	14	189804	7423	ROWENA	ST	4"	VC
9	14	313898	7428	ROWENA	ST	4"	VC
10	14	189679	7433	ROWENA	ST	4"	VC
11	14	313820	7440	ROWENA	ST	4"	VC
12	14	313737	7443	ROWENA	ST	4"	VC
13	14	189586	7452	ROWENA	ST	4"	VC
14	14	313654	7453	ROWENA	ST	4"	VC
15	14	189333	7463	ROWENA	ST	4"	VC
16	14	189452	7464	ROWENA	ST	4"	VC
17	14	313483	7473	ROWENA	ST	4"	VC
18	14	313558	7478	ROWENA	ST	4"	VC
19	14	189194	7488	ROWENA	ST	4"	VC
20	14	189119	7483	ROWENA	ST	4"	VC
21	14	313335	7493	ROWENA	ST	4"	VC
22							
23		SEWER LATERALS TO BE REHABILITATED WITH CLEAN OUTS GREATER THAN 7FT IN DEPTH					
24	PLAN MAP SHT #	LAT FSN	STREET NUMBER	STREET NAME	ST SUFFIX	SIZE	MATERIAL
25	10	186822	7679	ROWENA	ST	4"	VC
26	6	186887	7682	VOLCLAY	DR	4"	VC
27	6	186890	7675	VOLCLAY	DR	4"	VC
28	6	187029	7634	JENNITE	DR	4"	VC
29	7	187416	7575	JENNITE	DR	4"	VC
30	10	187637	7630	ROWENA	ST	4"	VC
31	11	187792	7618	ROWENA	ST	4"	VC
32	7	187796	7533	JENNITE	DR	4"	VC
33	13	187868	6731	MONTE VERDE	DR	4"	VC
34	12	187898	6808	MONTE VERDE	DR	4"	VC
35	7	187943	7534	JENNITE	DR	4"	VC
36	7	188403	7470	JENNITE	DR	4"	VC
37	18	188885	7452	VOLCLAY	DR	4"	VC
38	14	189069	7477	MELOTTE	ST	4"	VC
39	14	189094	7476	MELOTTE	ST	4"	VC
40	11	189095	6971	MONTE VERDE	DR	4"	VC
41	14	189341	7429	GOLFCREST	DR	4"	VC
42	14	189589	7413	GOLFCREST	DR	4"	VC
43	15	190099	7384	GOLFCREST	DR	4"	VC
44	16	190725	7328	GOLFCREST	DR	4"	VC
45	15	190980	7352	ROWENA	ST	4"	VC
46	16	191043	7255	GOLFCREST	DR	4"	VC
47	16	191359	7304	MELOTTE	ST	4"	VC
48	16	191520	7218	GOLFCREST	DR	4"	VC
49	16	191946	7237	MELOTTE	ST	4"	VC
50	32	194206	5982	HIGHPLACE	DR	4"	VC
51	32	194211	7561	CLEAR SKY	RD	4"	VC
52	37	UNK	7370	CAMINITO CAROTTA (PVT)		6"	VC
53	37	195661	7220	PARK RIDGE	BL	6"	VC
54	37	195494	7320	PARK RIDGE	BL	6"	VC
55	37	195093	7360	PARK RIDGE	BL	6"	VC
56	35	194390	6769	AMBERLY	ST	4"	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
57	35	194432	6780	AMBERLY	ST	4	VC
58	34	194526	7515	GALAXY	CT	4	VC
59	33	194709	7508	MARGERUM	AV	4	VC
60	31	194872	5936	QUIET SLOPE	DR	4	VC
61	31	194919	5948	QUIET SLOPE	DR	4	VC
62	30	195019	7487	MARGERUM	AV	4	VC
63	30	195041	7492	COMET VIEW	CT	4	VC
64	31	195053	7520	CLEAR SKY	RD	4	VC
65	31	195069	5966	QUIET SLOPE	DR	4	VC
66	30	195314	7472	MARGERUM	AV	4	VC
67	30	195331	7480	COMET VIEW	CT	4	VC
68	30	195338	7476	COMET VIEW	CT	4	VC
69	30	195399	7468	MARGERUM	AV	4	VC
70	27	195819	5872	FONTAINE	ST	4	VC
71	19	195891	6922	EVERGLADES	AV	4	VC
72	36	195894	7170	LYNRIDGE	CT	4	VC
73	36	195906	7180	LYNRIDGE	CT	4	VC
74	27	196068	7376	HAMLET	AV	4	VC
75	26	196141	7380	FORMAL	CT	4	VC
76	26	196479	7343	FORMAL	CT	4	VC
77	19	196744	7057	EVERGLADES	AV	4	VC
78	28	197732	7278	VIAR	AV	4	VC
79	21	199287	6858	CLAREMORE	AV	4	VC
80	21	199482	6843	CLAREMORE	AV	4	VC
81	5	310470	7831	GOLFCREST	DR	4	VC
82	5	310474	7840	GOLFCREST	DR	4	VC
83	2	310674	7840	MELOTTE	ST	4	VC
84	4	310857	7771	GOLFCREST	DR	4	VC
85	4	311112	7754	GOLFCREST	DR	4	VC
86	10	311626	7684	ROWENA	ST	4	VC
87	6	312037	7644	VOLCLAY	DR	4	VC
88	10	312316	7623	ROWENA	ST	4	VC
89	7	312742	7504	JENNITE	DR	4	VC
90	7	312863	7480	JENNITE	DR	4	VC
91	12	312972	6880	MONTE VERDE	DR	4	VC
92	12	313110	6926	MONTE VERDE	DR	4	VC
93	18	313234	7423	STONEVIEW	CT	4	VC
94	18	313614	7412	VOLCLAY	DR	4	VC
95	17	313835	7125	TUXEDO	RD	4	VC
96	15	314210	7374	GOLFCREST	DR	4	VC
97	15	314342	7383	ROWENA	ST	4	VC
98	15	314418	7382	ROWENA	ST	4	VC
99	16	314664	7316	GOLFCREST	DR	4	VC
100	16	315001	7312	MELOTTE	ST	4	VC
101	16	315039	7254	GOLFCREST	DR	4	VC
102	16	315079	7242	GOLFCREST	DR	4	VC
103	16	315214	7206	GOLFCREST	DR	4	VC
104	33	316972	7548	MARGERUM	AV	4	VC
105	34	317183	7535	GALAXY	CT	4	VC
106	31	317436	7541	CLEAR SKY	RD	4	VC
107	31	317740	5972	QUIET SLOPE	DR	4	VC
108	30	318028	7464	MARGERUM	AV	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
109	36	318092	7205	LYNRIDGE	RD	4	VC
110	19	318732	6982	EVERGLADES	AV	4	VC
111	19	318805	7024	EVERGLADES	AV	4	VC
112	27	318970	7366	VIAR	AV	4	VC
113	27	319003	7343	HAMLET	AV	4	VC
114	27	319064	7356	VIAR	AV	4	VC
115	27	319248	7332	VIAR	AV	4	VC
116	28	319417	7316	VIAR	AV	4	VC
117	4	185936	7116	RUANE	ST	4	VC
118	4	186038	7748	GOLFCREST	DR	4	VC
119	4	186230	7731	GOLFCREST	DR	4	VC
120	6	186447	7705	VOLCLAY	DR	4	VC
121	6	186799	7683	VOLCLAY	DR	4	VC
122	6	187414	7624	VOLCLAY	DR	4	VC
123	7	187735	7541	JENNITE	DR	4	VC
124	13	187749	6732	MONTE VERDE	DR	4	VC
125	13	187755	6748	MONTE VERDE	DR	4	VC
126	7	187864	7527	JENNITE	DR	4	VC
127	13	187867	6739	MONTE VERDE	DR	4	VC
128	7	188207	7485	JENNITE	DR	4	VC
129	18	188771	7460	VOLCLAY	DR	4	VC
130	18	188846	7451	VOLCLAY	DR	4	VC
131	11	189031	6947	MONTE VERDE	DR	4	VC
132	14	189149	7467	MELOTTE	ST	4	VC
133	14	189232	7444	GOLFCREST	DR	4	VC
134	18	189280	7420	VOLCLAY	DR	4	VC
135	17	189375	7175	TUXEDO	RD	4	VC
136	17	189392	7165	TUXEDO	RD	4	VC
137	16	190867	7281	GOLFCREST	DR	4	VC
138	16	191138	7243	GOLFCREST	DR	4	VC
139	16	191465	7230	GOLFCREST	DR	4	VC
140	16	192021	7242	MELOTTE	ST	4	VC
141	34	193965	5866	HIGHPLACE	DR	4	VC
142	35	194261	6775	AMBERLY	ST	4	VC
143	33	194321	7528	MARGERUM	AV	4	VC
144	33	194437	5951	CLOUDVIEW	PL	4	VC
145	31	194828	7532	CLEAR SKY	RD	4	VC
146	31	194983	5954	QUIET SLOPE	DR	4	VC
147	30	195148	7480	MARGERUM	AV	4	VC
148	30	195192	7483	COMET VIEW	CT	4	VC
149	30	195313	7479	COMET VIEW	CT	4	VC
150	30	195407	7475	COMET VIEW	CT	4	VC
151	30	195431	7470	COMET VIEW	CT	4	VC
152	30	195487	7464	COMET VIEW	CT	4	VC
153	36	195509	6650	AMBERLY	ST	4	VC
154	30	195673	7451	MARGERUM	AV	4	VC
155	36	195756	7177	LYNRIDGE	CT	4	VC
156	19	195952	6949	HYDE PARK	DR	4	VC
157	27	196295	7404	MARGERUM	AV	4	VC
158	26	196612	7329	FORMAL	CT	4	VC
159	20	196631	7146	EVERGLADES	AV	4	VC
160	27	196784	7361	VIAR	AV	4	VC
161	28	197876	7266	VIAR	AV	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
162	28	197881	7238	HAMLET	AV	4	VC
163	29	198119	7299	HAMLET	AV	4	VC
164	2	310396	7881	MELOTTE	ST	4	VC
165	2	310425	7880	MELOTTE	ST	4	VC
166	5	310553	7822	GOLFCREST	DR	4	VC
167	4	310930	7761	GOLFCREST	DR	4	VC
168	4	311164	7103	RUJANE	ST	4	VC
169	4	311199	7741	GOLFCREST	DR	4	VC
170	4	311249	7742	GOLFCREST	DR	4	VC
171	6	311907	7664	VOLCLAY	DR	4	VC
172	6	311915	7655	VOLCLAY	DR	4	VC
173	6	312089	7634	VOLCLAY	DR	4	VC
174	7	312278	7555	JENNITE	DR	4	VC
175	11	312396	7615	ROWENA	ST	4	VC
176	12	312596	6824	MONTE VERDE	DR	4	VC
177	12	313064	6910	MONTE VERDE	DR	4	VC
178	11	313262	6972	MONTE VERDE	DR	4	VC
179	18	313502	7421	VOLCLAY	DR	4	VC
180	14	313559	7456	MELOTTE	ST	4	VC
181	18	313653	7405	VOLCLAY	DR	4	VC
182	17	313662	7155	TUXEDO	RD	4	VC
183	17	313909	7392	VOLCLAY	DR	4	VC
184	17	314184	7328	VOLCLAY	DR	4	VC
185	16	315058	7297	MELOTTE	ST	4	VC
186	16	315618	7226	MELOTTE	ST	4	VC
187	33	316759	5919	HIGHPLACE	DR	4	VC
188	33	316801	7568	MARGERUM	AV	4	VC
189	33	317077	5934	CLOUDVIEW	PL	4	VC
190	31	317338	7545	CLEAR SKY	RD	4	VC
191	31	317438	7538	CLEAR SKY	RD	4	VC
192	36	318330	7190	LYNRIDGE	CT	4	VC
193	27	318725	7364	HAMLET	AV	4	VC
194	19	318954	7037	EVERGLADES	AV	4	VC
195	21	320698	6859	CLAREMORE	AV	4	VC
196	21	320908	6850	CLAREMORE	AV	4	VC
197	5	184815	7845	GOLFCREST	DR	4	VC
198	2	184889	7890	MELOTTE	ST	4	VC
199	2	185102	7860	MELOTTE	ST	4	VC
200	4	185406	7790	GOLFCREST	DR	4	VC
201	2	185444	7831	MELOTTE	ST	4	VC
202	6	186333	7685	JENNITE	DR	4	VC
203	6	186640	7665	JENNITE	DR	4	VC
204	6	186902	7644	JENNITE	DR	4	VC
205	6	187274	7604	JENNITE	DR	4	VC
206	10	187387	7647	ROWENA	ST	4	VC
207	7	187612	7564	JENNITE	DR	4	VC
208	7	187664	7549	JENNITE	DR	4	VC
209	13	187767	6756	MONTE VERDE	DR	4	VC
210	13	187858	6707	MONTE VERDE	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
211	12	188600	6879	MONTE VERDE	DR	4	VC
212	11	189075	6959	MONTE VERDE	DR	4	VC
213	14	189188	7437	GOLFCREST	DR	4	VC
214	18	189518	7404	VOLCLAY	DR	4	VC
215	14	189694	7405	GOLFCREST	DR	4	VC
216	17	189934	7374	VOLCLAY	DR	4	VC
217	17	190024	7360	VOLCLAY	DR	4	VC
218	15	190703	7363	ROWENA	ST	4	VC
219	16	192011	7227	MELLOTTE	ST	4	VC
220	34	193923	5872	HIGHPLACE	DR	4	VC
221	33	194269	5950	CLOUDVIEW	PL	4	VC
222	31	194896	5942	QUIET SLOPE	DR	4	VC
223	31	195141	7496	GORGE VIEW	TR	4	VC
224	31	195206	7497	GORGE VIEW	TR	4	VC
225	31	195357	7481	GORGE VIEW	TR	4	VC
226	27	195929	7386	HAMLET	AV	4	VC
227	27	197016	7344	VIAR	AV	4	VC
228	27	197082	7331	HAMLET	AV	4	VC
229	28	197909	7331	VIAR	AV	4	VC
230	4	310786	7781	GOLFCREST	DR	4	VC
231	2	310809	7821	MELLOTTE	ST	4	VC
232	6	311691	7645	JENNITE	DR	4	VC
233	6	312096	7625	VOLCLAY	DR	4	VC
234	13	312409	6740	MONTE VERDE	DR	4	VC
235	13	312511	6747	MONTE VERDE	DR	4	VC
236	13	312512	6723	MONTE VERDE	DR	4	VC
237	7	312850	7505	VOLCLAY	DR	4	VC
238	18	313042	7477	VOLCLAY	DR	4	VC
239	15	314074	7375	GOLFCREST	DR	4	VC
240	15	314251	7393	ROWENA	ST	4	VC
241	16	314405	7352	GOLFCREST	DR	4	VC
242	15	314438	7373	ROWENA	ST	4	VC
243	16	314892	7276	GOLFCREST	DR	4	VC
244	33	316601	5914	HIGHPLACE	DR	4	VC
245	33	317065	5918	CLOUDVIEW	PL	4	VC
246	32	317074	7565	CLEAR SKY	RD	4	VC
247	32	317090	5986	HIGHPLACE	DR	4	VC
248	33	317096	5942	CLOUDVIEW	PL	4	VC
249	33	317179	5927	CLOUDVIEW	PL	4	VC
250	33	317403	5912	QUIET SLOPE	DR	4	VC
251	31	317785	7521	CLEAR SKY	RD	4	VC
252	31	317806	7497	GORGE VIEW	TR	4	VC
253	24	317815	5615	FONTAINE	ST	4	VC
254	30	317826	7475	MARGERUM	AV	4	VC
255	30	317843	7476	MARGERUM	AV	4	VC
256	36	318079	6685	AMBERLY	ST	4	VC
257	19	318569	6958	EVERGLADES	AV	4	VC
258	19	318856	7052	EVERGLADES	AV	4	VC
259	28	319753	7277	VIAR	AV	4	VC
260	21	320598	6872	CLAREMORE	AV	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
261	2	185104	7861	MELOTTE	ST	4	VC
262	6	187099	7624	JENNITE	DR	4	VC
263	6	187176	7654	VOLCLAY	DR	4	VC
264	6	187251	7635	VOLCLAY	DR	4	VC
265	7	187320	7585	JENNITE	DR	4	VC
266	10	187448	7642	ROWENA	ST	4	VC
267	13	187912	6771	MONTE VERDE	DR	4	VC
268	12	187939	6816	MONTE VERDE	DR	4	VC
269	18	188467	7490	VOLCLAY	DR	4	VC
270	12	188643	6887	MONTE VERDE	DR	4	VC
271	18	188897	7424	STONEVIEW	CT	4	VC
272	18	188941	7445	VOLCLAY	DR	4	VC
273	15	190185	7392	MELOTTE	ST	4	VC
274	15	190352	6997	TUXEDO	RD	4	VC
275	15	190407	7376	MELOTTE	ST	4	VC
276	15	190460	7363	MELOTTE	ST	4	VC
277	15	190585	7353	MELOTTE	ST	4	VC
278	15	190904	7343	ROWENA	ST	4	VC
279	16	191207	7266	GOLFCREST	DR	4	VC
280	16	191562	7272	MELOTTE	ST	4	VC
281	16	192250	7224	MELOTTE	ST	4	VC
282	33	193977	7558	MARGERUM	AV	4	VC
283	34	194113	5867	HIGHPLACE	DR	4	VC
284	32	194237	5990	HIGHPLACE	DR	4	VC
285	30	194843	5924	QUIET SLOPE	DR	4	VC
286	31	194892	7533	CLEAR SKY	RD	4	VC
287	31	195227	7488	GORGE VIEW	TR	4	VC
288	31	195289	7480	GORGE VIEW	TR	4	VC
289	30	195391	7461	MARGERUM	AV	4	VC
290	36	195454	6716	OAKRIDGE	RD	4	VC
291	36	195497	7225	LYNRIDGE	RD	4	VC
292	27	195974	7383	HAMLET	AV	4	VC
293	27	196440	7391	VIAR	AV	4	VC
294	20	196621	7185	EVERGLADES	AV	4	VC
295	20	196627	7082	EVERGLADES	AV	4	VC
296	20	196628	7104	EVERGLADES	AV	4	VC
297	28	197838	7229	HAMLET	AV	4	VC
298	21	199331	6851	CLAREMORE	AV	4	VC
299	2	310483	7870	MELOTTE	ST	4	VC
300	5	310560	7821	GOLFCREST	DR	4	VC
301	4	311061	7110	RUANE	ST	4	VC
302	6	311632	7664	JENNITE	DR	4	VC
303	6	311685	7690	VOLCLAY	DR	4	VC
304	10	311699	7678	ROWENA	ST	4	VC
305	6	311762	7635	JENNITE	DR	4	VC
306	6	311912	7615	JENNITE	DR	4	VC
307	7	312226	7565	JENNITE	DR	4	VC
308	10	312259	7631	ROWENA	ST	4	VC
309	13	312435	6764	MONTE VERDE	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
310	7	312617	7544	VOLCLAY	DR	4	VC
311	12	312660	6815	MONTE VERDE	DR	4	VC
312	11	313366	6997	MONTE VERDE	DR	4	VC
313	18	313395	7436	VOLCLAY	DR	4	VC
314	18	313442	7405	STONEVIEW	CT	4	VC
315	17	314037	7351	VOLCLAY	DR	4	VC
316	16	314332	7347	GOLFCREST	DR	4	VC
317	16	315398	7247	MELOTTE	ST	4	VC
318	35	317016	6696	CABARET	ST	4	VC
319	34	317084	7545	GALAXY	CT	4	VC
320	34	317106	5859	HIGHPLACE	DR	4	VC
321	35	317402	6760	AMBERLY	ST	4	VC
322	30	317769	7481	MARGERUM	AV	4	VC
323	30	317824	7484	COMET VIEW	CT	4	VC
324	31	317974	7472	GORGE VIEW	TR	4	VC
325	36	317994	6670	AMBERLY	ST	4	VC
326	27	318280	7450	MARGERUM	AV	4	VC
327	26	318688	7370	FORMAL	CT	4	VC
328	19	318797	6975	EVERGLADES	AV	4	VC
329	26	318803	7340	FORMAL	CT	4	VC
330	19	318834	7038	EVERGLADES	AV	4	VC
331	27	318977	7346	HAMLET	AV	4	VC
332	21	320695	6864	CLAREMORE	AV	4	VC
333	2	184992	7871	MELOTTE	ST	4	VC
334	2	185569	7820	MELOTTE	ST	4	VC
335	6	186512	7684	JENNITE	DR	4	VC
336	6	186654	7674	JENNITE	DR	4	VC
337	6	186978	7665	VOLCLAY	DR	4	VC
338	10	187574	7636	ROWENA	ST	4	VC
339	13	187844	6705	MONTE VERDE	DR	4	VC
340	7	188380	7475	JENNITE	DR	4	VC
341	18	188556	7484	VOLCLAY	DR	4	VC
342	12	188793	6911	MONTE VERDE	DR	4	VC
343	11	188862	6956	MONTE VERDE	DR	4	VC
344	18	188970	7417	STONEVIEW	CT	4	VC
345	18	188987	7444	VOLCLAY	DR	4	VC
346	18	189020	7418	STONEVIEW	CT	4	VC
347	18	189132	7429	VOLCLAY	DR	4	VC
348	14	189358	7434	GOLFCREST	DR	4	VC
349	14	189616	7414	GOLFCREST	DR	4	VC
350	15	189929	7391	GOLFCREST	DR	4	VC
351	15	189980	7394	GOLFCREST	DR	4	VC
352	17	190282	7312	VOLCLAY	DR	4	VC
353	17	190400	7280	VOLCLAY	DR	4	VC
354	16	190971	7296	GOLFCREST	DR	4	VC
355	15	191010	7336	MELOTTE	ST	4	VC
356	16	191522	7282	MELOTTE	ST	4	VC
357	33	193637	5918	HIGHPLACE	DR	4	VC
358	34	193694	5894	HIGHPLACE	DR	4	VC
359	34	193804	5882	HIGHPLACE	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
360	33	194203	5926	CLOUDVIEW	PL	4	VC
361	31	195082	5978	QUIET SLOPE	DR	4	VC
362	30	195099	7487	COMET VIEW	CT	4	VC
363	31	195214	5969	QUIET SLOPE	DR	4	VC
364	30	195477	7469	COMET VIEW	CT	4	VC
365	36	195752	7187	LYNRIDGE	CT	4	VC
366	27	195824	5860	FONTAINE	ST	4	VC
367	38	196079	7121	PARK RIDGE	BL	4	VC
368	19	196222	6955	EVERGLADES	AV	4	VC
369	27	196307	7361	HAMLET	AV	4	VC
370	19	196526	6856	TEE-A-WAY	PL	4	VC
371	20	196626	7068	EVERGLADES	AV	4	VC
372	27	196647	7349	HAMLET	AV	4	VC
373	20	196780	7111	EVERGLADES	AV	4	VC
374	20	196782	7139	EVERGLADES	AV	4	VC
375	26	196879	7302	FORMAL	CT	4	VC
376	28	197563	7310	HAMLET	AV	4	VC
377	28	197708	7255	HAMLET	AV	4	VC
378	29	198162	7220	HAMLET	AV	4	VC
379	21	199910	6822	CLAREMORE	AV	4	VC
380	2	310598	7850	MELOTTE	ST	4	VC
381	10	311592	7690	ROWENA	ST	4	VC
382	10	312063	7655	ROWENA	ST	4	VC
383	7	312673	7534	VOLCLAY	DR	4	VC
384	7	312678	7514	JENNITE	DR	4	VC
385	7	312757	7524	VOLCLAY	DR	4	VC
386	12	313119	6905	MONTE VERDE	DR	4	VC
387	12	313160	6942	MONTE VERDE	DR	4	VC
388	14	313468	7466	MELOTTE	ST	4	VC
389	18	313484	7406	STONEVIEW	CT	4	VC
390	14	313652	7421	GOLFCREST	DR	4	VC
391	14	313840	7404	GOLFCREST	DR	4	VC
392	16	314647	7293	GOLFCREST	DR	4	VC
393	15	314843	7321	MELOTTE	ST	4	VC
394	34	316784	5876	HIGHPLACE	DR	4	VC
395	33	317210	5943	CLOUDVIEW	PL	4	VC
396	35	317455	6745	AMBERLY	ST	4	VC
397	30	317514	5918	QUIET SLOPE	DR	4	VC
398	30	317800	7488	COMET VIEW	CT	4	VC
399	36	317966	6726	OAKRIDGE	RD	4	VC
400	36	318214	7197	LYNRIDGE	CT	4	VC
401	19	318489	6946	EVERGLADES	AV	4	VC
402	27	318589	7370	HAMLET	AV	4	VC
403	19	318650	6970	EVERGLADES	AV	4	VC
404	26	318740	7357	FORMAL	CT	4	VC
405	20	319005	7085	EVERGLADES	AV	4	VC
406	28	319486	7311	VIAR	AV	4	VC
407	21	321146	6834	CLAREMORE	AV	4	VC
408	5	184759	7850	GOLFCREST	DR	4	VC
409	2	185211	7851	MELOTTE	ST	4	VC
410	6	186710	7655	JENNITE	DR	4	VC
411	6	186716	7689	VOLCLAY	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
412	6	186835	7654	JENNITE	DR	4	VC
413	10	187195	7663	ROWENA	ST	4	VC
414	6	187217	7614	JENNITE	DR	4	VC
415	10	187345	7648	ROWENA	ST	4	VC
416	10	187457	7639	ROWENA	ST	4	VC
417	7	187548	7574	JENNITE	DR	4	VC
418	10	187705	7624	ROWENA	ST	4	VC
419	13	187779	6772	MONTE VERDE	DR	4	VC
420	12	187812	6780	MONTE VERDE	DR	4	VC
421	12	187840	6788	MONTE VERDE	DR	4	VC
422	7	188035	7545	VOLCLAY	DR	4	VC
423	7	188106	7505	JENNITE	DR	4	VC
424	7	188369	7504	VOLCLAY	DR	4	VC
425	18	188615	7476	VOLCLAY	DR	4	VC
426	18	188706	7468	VOLCLAY	DR	4	VC
427	18	189089	7412	STONEVIEW	CT	4	VC
428	14	189261	7457	MELOTTE	ST	4	VC
429	18	189324	7413	VOLCLAY	DR	4	VC
430	15	190202	7361	GOLFCREST	DR	4	VC
431	15	190301	7384	MELOTTE	ST	4	VC
432	17	190348	7292	VOLCLAY	DR	4	VC
433	16	190960	7267	GOLFCREST	DR	4	VC
434	16	191166	7313	MELOTTE	ST	4	VC
435	16	191450	7292	MELOTTE	ST	4	VC
436	34	193988	5860	HIGHPLACE	DR	4	VC
437	34	194101	7555	GALAXY	CT	4	VC
438	32	194223	5996	HIGHPLACE	DR	4	VC
439	34	194340	7534	GALAXY	CT	4	VC
440	34	194346	5843	HIGHPLACE	DR	4	VC
441	34	194429	7524	GALAXY	CT	4	VC
442	34	194434	7525	GALAXY	CT	4	VC
443	35	194490	6761	AMBERLY	ST	4	VC
444	33	194500	7518	MARGERUM	AV	4	VC
445	35	194779	6750	AMBERLY	ST	4	VC
446	30	194917	7493	MARGERUM	AV	4	VC
447	30	194965	7488	MARGERUM	AV	4	VC
448	31	195496	7465	GORGE VIEW	TR	4	VC
449	27	196478	7386	VIAR	AV	4	VC
450	27	196623	7352	HAMLET	AV	4	VC
451	19	196767	7065	EVERGLADES	AV	4	VC
452	20	196815	7175	EVERGLADES	AV	4	VC
453	20	196817	6785	SUNNY BRAE	DR	4	VC
454	28	197358	7321	VIAR	AV	4	VC
455	28	197967	7263	VIAR	AV	4	VC
456	28	198088	7253	VIAR	AV	4	VC
457	29	198227	7289	HAMLET	AV	4	VC
458	4	310699	7791	GOLFCREST	DR	4	VC
459	4	311184	7109	RUANE	ST	4	VC
460	4	311320	7736	GOLFCREST	DR	4	VC
461	6	311503	7714	VOLCLAY	DR	4	VC
462	6	311835	7625	JENNITE	DR	4	VC
463	10	312045	7654	ROWENA	ST	4	VC
464	7	312117	7594	JENNITE	DR	4	VC
465	13	312521	6763	MONTE VERDE	DR	4	VC
466	12	312609	6807	MONTE VERDE	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
467	7	312627	7524	JENNITE	DR	4	VC
468	18	312949	7491	VOLCLAY	DR	4	VC
469	11	313412	6983	MONTE VERDE	DR	4	VC
470	17	314092	7331	VOLCLAY	DR	4	VC
471	17	314120	7346	VOLCLAY	DR	4	VC
472	15	314192	7383	MELOTTE	ST	4	VC
473	15	314289	7373	MELOTTE	ST	4	VC
474	16	314484	7319	GOLFCREST	DR	4	VC
475	15	314672	7352	MELOTTE	ST	4	VC
476	15	314856	7328	MELOTTE	ST	4	VC
477	15	314910	7320	MELOTTE	ST	4	VC
478	16	315116	7287	MELOTTE	ST	4	VC
479	16	315173	7277	MELOTTE	ST	4	VC
480	16	315322	7257	MELOTTE	ST	4	VC
481	16	315562	7234	MELOTTE	ST	4	VC
482	34	316691	5888	HIGHPLACE	DR	4	VC
483	33	317198	5935	CLOUDVIEW	PL	4	VC
484	35	317368	6753	AMBERLY	ST	4	VC
485	30	317682	7491	COMET VIEW	CT	4	VC
486	31	317854	5989	QUIET SLOPE	DR	4	VC
487	19	318734	6965	EVERGLADES	AV	4	VC
488	27	318808	7355	HAMLET	AV	4	VC
489	27	318865	7376	VIAR	AV	4	VC
490	26	318944	7315	FORMAL	CT	4	VC
491	20	319006	7125	EVERGLADES	AV	4	VC
492	20	319008	7075	EVERGLADES	AV	4	VC
493	28	319713	7235	HAMLET	AV	4	VC
494	21	321034	6842	CLAREMORE	AV	4	VC
495	2	185446	7830	MELOTTE	ST	4	VC
496	13	187747	6716	MONTE VERDE	DR	4	VC
497	7	188024	7515	JENNITE	DR	4	VC
498	7	188197	7495	JENNITE	DR	4	VC
499	7	188238	7515	VOLCLAY	DR	4	VC
500	12	188530	6871	MONTE VERDE	DR	4	VC
501	12	188580	6888	MONTE VERDE	DR	4	VC
502	18	188654	7469	VOLCLAY	DR	4	VC
503	18	188759	7461	VOLCLAY	DR	4	VC
504	12	188886	6923	MONTE VERDE	DR	4	VC
505	11	188969	6935	MONTE VERDE	DR	4	VC
506	17	190236	7285	VOLCLAY	DR	4	VC
507	15	190667	7372	ROWENA	ST	4	VC
508	15	190808	7353	ROWENA	ST	4	VC
509	16	190872	7304	GOLFCREST	DR	4	VC
510	15	190911	7344	MELOTTE	ST	4	VC
511	15	190964	7329	MELOTTE	ST	4	VC
512	16	191201	7231	GOLFCREST	DR	4	VC
513	16	191717	7264	MELOTTE	ST	4	VC
514	16	191953	7250	MELOTTE	ST	4	VC
515	33	193627	5908	HIGHPLACE	DR	4	VC
516	34	193990	7565	GALAXY	CT	4	VC
517	34	194010	5854	HIGHPLACE	DR	4	VC
518	33	194378	5919	CLOUDVIEW	PL	4	VC
519	33	194380	5911	CLOUDVIEW	PL	4	VC
520	34	194514	7514	GALAXY	CT	4	VC
521	30	195055	7484	MARGERUM	AV	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
522	31	195230	7511	CLEAR SKY	RD	4	VC
523	31	195273	7489	GORGE VIEW	TR	4	VC
524	31	195479	7473	GORGE VIEW	TR	4	VC
525	30	195560	7460	MARGERUM	AV	4	VC
526	26	195835	5836	FONTAINE	ST	4	VC
527	27	196183	7367	HAMLET	AV	4	VC
528	27	197057	7334	HAMLET	AV	4	VC
529	27	197178	7331	VIAR	AV	4	VC
530	21	200061	6818	CLAREMORE	AV	4	VC
531	2	310366	7891	MELOTTE	ST	4	VC
532	2	310669	7841	MELOTTE	ST	4	VC
533	6	311563	7704	VOLCLAY	DR	4	VC
534	6	311829	7674	VOLCLAY	DR	4	VC
535	6	311976	7645	VOLCLAY	DR	4	VC
536	6	311979	7605	JENNITE	DR	4	VC
537	7	312179	7584	JENNITE	DR	4	VC
538	7	312357	7554	JENNITE	DR	4	VC
539	12	312580	6781	MONTE VERDE	DR	4	VC
540	18	313353	7437	VOLCLAY	DR	4	VC
541	11	313390	6983	MONTE VERDE	DR	4	VC
542	17	313775	7135	TUXEDO	RD	4	VC
543	15	314107	7393	MELOTTE	ST	4	VC
544	17	314149	7311	VOLCLAY	DR	4	VC
545	16	314550	7305	GOLFCREST	DR	4	VC
546	16	315006	7305	MELOTTE	ST	4	VC
547	16	315263	7267	MELOTTE	ST	4	VC
548	34	316951	5848	HIGHPLACE	DR	4	VC
549	31	317302	7544	CLEAR SKY	RD	4	VC
550	30	317550	7492	MARGERUM	AV	4	VC
551	31	317624	7526	CLEAR SKY	RD	4	VC
552	24	317751	5601	FONTAINE	ST	4	VC
553	31	317841	5979	QUIET SLOPE	DR	4	VC
554	19	318465	6931	EVERGLADES	AV	4	VC
555	27	318523	7373	HAMLET	AV	4	VC
556	19	318574	6941	EVERGLADES	AV	4	VC
557	26	318629	7371	FORMAL	CT	4	VC
558	27	318806	7358	HAMLET	AV	4	VC
559	20	318892	7118	EVERGLADES	AV	4	VC
560	27	318918	7371	VIAR	AV	4	VC
561	27	319070	7340	HAMLET	AV	4	VC
562	27	319181	7341	VIAR	AV	4	VC
563	21	321092	6835	CLAREMORE	AV	4	VC
564	21	321208	6827	CLAREMORE	AV	4	VC
565	21	321484	6810	CLAREMORE	AV	4	VC
566	4	185275	7811	GOLFCREST	DR	4	VC
567	4	185541	7776	GOLFCREST	DR	4	VC
568	4	185681	7764	GOLFCREST	DR	4	VC
569	4	185884	7104	RUANE	ST	4	VC
570	4	185979	7751	GOLFCREST	DR	4	VC
571	13	187745	6708	MONTE VERDE	DR	4	VC
572	13	187748	6724	MONTE VERDE	DR	4	VC
573	13	187863	6715	MONTE VERDE	DR	4	VC
574	7	187881	7555	VOLCLAY	DR	4	VC
575	7	187941	7523	JENNITE	DR	4	VC
576	7	188089	7535	VOLCLAY	DR	4	VC
577	7	188280	7514	VOLCLAY	DR	4	VC
578	18	188520	7485	VOLCLAY	DR	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
579	18	189065	7411	STONEVIEW	CT	4	VC
580	15	190357	7364	GOLFCREST	DR	4	VC
581	15	190764	7345	MELOTTE	ST	4	VC
582	15	190799	7362	ROWENA	ST	4	VC
583	16	191049	7286	GOLFCREST	DR	4	VC
584	16	191839	7258	MELOTTE	ST	4	VC
585	33	193821	5909	HIGHPLACE	DR	4	VC
586	33	194201	7538	MARGERUM	AV	4	VC
587	30	194859	5930	QUIET SLOPE	DR	4	VC
588	31	195196	7515	CLEAR SKY	RD	4	VC
589	31	195461	7464	GORGE VIEW	TR	4	VC
590	30	195505	7463	COMET VIEW	CT	4	VC
591	36	195621	6665	AMBERLY	ST	4	VC
592	19	195988	6934	EVERGLADES	AV	4	VC
593	19	196366	7010	EVERGLADES	AV	4	VC
594	26	196584	7340	FORMAL	CT	4	VC
595	20	196622	7174	EVERGLADES	AV	4	VC
596	20	196630	7132	EVERGLADES	AV	4	VC
597	19	196670	6855	TEE-A-WAY	PL	4	VC
598	27	196925	7337	HAMLET	AV	4	VC
599	27	196934	7351	VIAR	AV	4	VC
600	21	199982	6819	CLAREMORE	AV	4	VC
601	4	310637	7810	GOLFCREST	DR	4	VC
602	6	311490	7675	JENNITE	DR	4	VC
603	7	312035	7595	JENNITE	DR	4	VC
604	13	312405	6706	MONTE VERDE	DR	4	VC
605	7	312497	7544	JENNITE	DR	4	VC
606	13	312516	6755	MONTE VERDE	DR	4	VC
607	7	312565	7554	VOLCLAY	DR	4	VC
608	7	312729	7525	VOLCLAY	DR	4	VC
609	7	312799	7490	JENNITE	DR	4	VC
610	12	312924	6872	MONTE VERDE	DR	4	VC
611	18	313462	7428	VOLCLAY	DR	4	VC
612	14	313680	7424	GOLFCREST	DR	4	VC
613	17	313729	7145	TUXEDO	RD	4	VC
614	16	314407	7333	GOLFCREST	DR	4	VC
615	15	314424	7368	MELOTTE	ST	4	VC
616	16	314494	7340	GOLFCREST	DR	4	VC
617	15	314691	7337	MELOTTE	ST	4	VC
618	16	315020	7219	GOLFCREST	DR	4	VC
619	16	315063	7207	GOLFCREST	DR	4	VC
620	33	317070	5910	CLOUDVIEW	PL	4	VC
621	35	317124	6790	AMBERLY	ST	4	VC
622	34	317153	5851	HIGHPLACE	DR	4	VC
623	35	317321	6770	AMBERLY	ST	4	VC
624	31	317495	7537	CLEAR SKY	RD	4	VC
625	31	317693	7527	CLEAR SKY	RD	4	VC
626	31	317715	5960	QUIET SLOPE	DR	4	VC
627	31	317860	7507	CLEAR SKY	RD	4	VC
628	30	317894	7469	MARGERUM	AV	4	VC
629	36	317999	7245	LYNRIDGE	RD	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
630	27	319285	7328	HAMLET	AV	4	VC
631	28	319495	7306	VIAR	AV	4	VC
632	26	UNK	5848	FONTAINE	ST	4	VC
633	34	UNK	5835	HIGHPLACE	DR	4	VC
634	34	UNK	5836	HIGHPLACE	DR	4	VC
635	34	UNK	5842	HIGHPLACE	DR	4	VC
636	34	UNK	5867	HIGHPLACE	DR	4	VC
637	20	UNK	7160	EVERGLADES	AV	4	VC
638	16	UNK	7223	MELOTTE	ST	4	VC
639	15	UNK	7360	MELOTTE	ST	4	VC
640	5	UNK	7875	GOLFCREST	DR	4	VC
641	5	UNK	7850	GOLFCREST	DR	4	VC
642	5	UNK	7845	GOLFCREST	DR	4	VC
643	5	UNK	7840	GOLFCREST	DR	4	VC
644	5	UNK	7855	GOLFCREST	DR	4	VC
645	5	UNK	7840	GOLFCREST	DR	4	VC
646	5	UNK	7875	GOLFCREST	DR	4	VC
647	5	UNK	7840	GOLFCREST	DR	4	VC
648	11	UNK	0	ROWENA	ST	4	VC
649	11	UNK	7607	ROWENA	ST	4	VC
650	11	UNK	7606	ROWENA	ST	4	VC
651	11	UNK	7595	ROWENA	ST	4	VC
652	11	UNK	7596	ROWENA	ST	4	VC
653	11	UNK	7587	ROWENA	ST	4	VC
654	11	UNK	7586	ROWENA	ST	4	VC
655	11	UNK	7576	ROWENA	ST	4	VC
656	11	UNK	7579	ROWENA	ST	4	VC
657	11	UNK	7571	ROWENA	ST	4	VC
658	11	UNK	7566	ROWENA	ST	4	VC
659	11	UNK	7556	ROWENA	ST	4	VC
660	11	UNK	7546	ROWENA	ST	4	VC
661	11	UNK	7536	ROWENA	ST	4	VC
662	11	UNK	7526	ROWENA	ST	4	VC
663	11	UNK	7563	ROWENA	ST	4	VC
664	11	UNK	7555	ROWENA	ST	4	VC
665	11	UNK	7547	ROWENA	ST	4	VC
666	11	UNK	7539	ROWENA	ST	4	VC
667	11	UNK	7531	ROWENA	ST	4	VC
668	11	UNK	7516	ROWENA	ST	4	VC
669	11	UNK	7523	ROWENA	ST	4	VC
670	11	UNK	7506	ROWENA	ST	4	VC
671	11	UNK	7515	ROWENA	ST	4	VC
672	11	UNK	7507	ROWENA	ST	4	VC
673	6	186718	7698	VOLCLAY	DR	4	VC
674	6	311565	7697	VOLCLAY	DR	4	VC
675	7	UNK	7470	JENNITE	DR	4	VC
676	4	310877	7811	MELOTTE	ST	4	VC
677	4	185702	7810	MELOTTE	ST	4	VC
678	37	UNK	7204	PARK RIDGE	BL	6	VC
679	10	UNK	7695	ROWENA	ST	4	VC
680							

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
681	SEWER LATERALS TO BE REHABILITATED WITH CLEAN OUTS LESS THAN 7FT IN DEPTH						
682	PLAN MAP #	LAT FSN	STREET NUMBER	STREET NAME	ST SUFFIX	SIZE	MATERIAL
683	8	186974	7670	GOLFCREST	DR	4	VC
684	9	188160	7539	GOLFCREST	DR	4	VC
685	9	188356	7523	GOLFCREST	DR	4	VC
686	9	188557	7520	MELOTTE	ST	4	VC
687	18	188675	7441	STONEVIEW	CT	4	VC
688	14	189576	7436	MELOTTE	ST	4	VC
689	17	189801	7178	CROWLEY	CT	4	VC
690	17	190010	7164	CROWLEY	CT	4	VC
691	32	194395	7553	MILKY WAY	PT	4	VC
692	32	194590	7541	MILKY WAY	PT	4	VC
693	23	198414	6376	CAM CORTO		4	VC
694	22	198415	6307	CAM CORTO		4	VC
695	29	199266	7202	HAMLET	CT	4	VC
696	6	311144	7128	RUANE	ST	4	VC
697	8	311241	7755	MELOTTE	ST	4	VC
698	6	311243	7172	RUANE	ST	4	VC
699	8	311280	7742	MELOTTE	ST	4	VC
700	8	311665	7687	MELOTTE	ST	4	VC
701	8	311957	7651	GOLFCREST	DR	4	VC
702	7	312170	7615	VOLCLAY	DR	4	VC
703	9	312207	7620	GOLFCREST	DR	4	VC
704	9	312330	7630	MELOTTE	ST	4	VC
705	9	312655	7548	GOLFCREST	DR	4	VC
706	9	312675	7547	GOLFCREST	DR	4	VC
707	9	312707	7570	MELOTTE	ST	4	VC
708	18	313180	7430	STONEVIEW	CT	4	VC
709	32	317251	7547	MILKY WAY	PT	4	VC
710	25	317986	5692	FONTAINE	ST	4	VC
711	23	320048	6322	CAM CORTO		4	VC
712	28	320317	7213	VIAR	AV	4	VC
713	6	186116	7146	RUANE	ST	4	VC
714	8	186869	7680	GOLFCREST	DR	4	VC
715	8	186910	7671	GOLFCREST	DR	4	VC
716	8	187078	7671	MELOTTE	ST	4	VC
717	8	187479	7642	MELOTTE	ST	4	VC
718	7	187782	7574	VOLCLAY	DR	4	VC
719	9	187837	7571	GOLFCREST	DR	4	VC
720	9	188056	7580	MELOTTE	ST	4	VC
721	9	188059	7577	MELOTTE	ST	4	VC
722	9	188133	7567	MELOTTE	ST	4	VC
723	9	188212	7557	MELOTTE	ST	4	VC
724	9	188394	7518	GOLFCREST	DR	4	VC
725	9	188498	7530	MELOTTE	ST	4	VC
726	14	188774	7473	GOLFCREST	DR	4	VC
727	14	188922	7474	GOLFCREST	DR	4	VC
728	14	189131	7454	GOLFCREST	DR	4	VC
729	32	194163	5969	HIGHPLACE	DR	4	VC
730	24	194848	5564	FONTAINE	ST	4	VC
731	24	194889	5556	FONTAINE	ST	4	VC
732	25	195579	5697	FONTAINE	ST	4	VC
733	26	195839	5824	FONTAINE	ST	4	VC
734	28	198339	7226	VIAR	AV	4	VC
735	23	198361	6354	CAM CORTO		4	VC
736	23	198479	6331	CAM CORTO		4	VC
737	28	198618	7203	VIAR	AV	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
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	A	B	C	D	E	F	G
738	6	311396	7187	RUANE	ST	4	VC
739	8	311438	7730	GOLFCREST	DR	4	VC
740	8	311526	7711	GOLFCREST	DR	4	VC
741	10	311843	7671	ROWENA	ST	4	VC
742	8	312069	7654	MELOTTE	ST	4	VC
743	9	312265	7610	GOLFCREST	DR	4	VC
744	12	312642	6832	MONTE VERDE	DR	4	VC
745	9	312714	7540	GOLFCREST	DR	4	VC
746	9	312974	7508	GOLFCREST	DR	4	VC
747	9	313066	7510	MELOTTE	ST	4	VC
748	17	314150	7159	CROWLEY	CT	4	VC
749	24	317698	5561	FONTAINE	ST	4	VC
750	25	318159	5748	FONTAINE	ST	4	VC
751	29	320276	7250	HAMLET	AV	4	VC
752	23	320306	6369	CAM CORTO		4	VC
753	29	320660	7210	HAMLET	CT	4	VC
754	3	186060	7756	MELOTTE	ST	4	VC
755	6	186118	7168	RUANE	ST	4	VC
756	6	186184	7188	RUANE	ST	4	VC
757	8	186760	7695	ROWENA	ST	4	VC
758	8	187193	7650	GOLFCREST	DR	4	VC
759	8	187453	7639	MELOTTE	ST	4	VC
760	9	187768	7579	GOLFCREST	DR	4	VC
761	9	187831	7605	MELOTTE	ST	4	VC
762	9	187833	7612	MELOTTE	ST	4	VC
763	12	188360	6864	MONTE VERDE	DR	4	VC
764	14	188631	7493	GOLFCREST	DR	4	VC
765	18	188662	7448	STONEVIEW	CT	4	VC
766	14	188800	7497	MELOTTE	ST	4	VC
767	14	189642	7427	MELOTTE	ST	4	VC
768	14	189785	7416	MELOTTE	ST	4	VC
769	32	193964	5964	HIGHPLACE	DR	4	VC
770	32	194563	7534	MILKY WAY	PT	4	VC
771	24	195060	5540	FONTAINE	ST	4	VC
772	25	195419	5670	FONTAINE	ST	4	VC
773	26	195795	5768	FONTAINE	ST	4	VC
774	26	195943	5827	FONTAINE	ST	4	VC
775	23	198416	6315	CAM CORTO		4	VC
776	29	198511	7261	HAMLET	AV	4	VC
777	28	198547	7206	VIAR	AV	4	VC
778	29	199306	7205	HAMLET	CT	4	VC
779	6	311257	7121	RUANE	ST	4	VC
780	8	311914	7660	GOLFCREST	DR	4	VC
781	10	311988	7660	ROWENA	ST	4	VC
782	7	312225	7605	VOLCLAY	DR	4	VC
783	7	312335	7585	VOLCLAY	DR	4	VC
784	9	312534	7597	MELOTTE	ST	4	VC
785	9	312540	7606	MELOTTE	ST	4	VC
786	12	312692	6840	MONTE VERDE	DR	4	VC
787	9	312776	7534	GOLFCREST	DR	4	VC
788	14	313090	7483	GOLFCREST	DR	4	VC
789	14	313647	7446	MELOTTE	ST	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
790	32	317024	5976	HIGHPLACE	DR	4	VC
791	25	318100	5683	FONTAINE	ST	4	VC
792	25	318157	5727	FONTAINE	ST	4	VC
793	27	318568	7401	MARGERUM	AV	4	VC
794	27	318659	7391	MARGERUM	AV	4	VC
795	22	320063	6298	CAM CORTO		4	VC
796	23	320277	6353	CAM CORTO		4	VC
797	29	320355	7251	HAMLET	AV	4	VC
798	6	186151	7180	RUANE	ST	4	VC
799	6	186265	7133	RUANE	ST	4	VC
800	8	187024	7661	GOLFCREST	DR	4	VC
801	8	187045	7670	MELOTTE	ST	4	VC
802	8	187222	7641	GOLFCREST	DR	4	VC
803	8	187582	7636	MELOTTE	ST	4	VC
804	9	187608	7595	GOLFCREST	DR	4	VC
805	9	187714	7624	MELOTTE	ST	4	VC
806	9	187774	7618	MELOTTE	ST	4	VC
807	7	187780	7565	VOLCLAY	DR	4	VC
808	18	188668	7447	STONEVIEW	CT	4	VC
809	17	190525	7256	VOLCLAY	DR	4	VC
810	32	194339	7552	MILKY WAY	PT	4	VC
811	26	195739	5758	FONTAINE	ST	4	VC
812	28	198383	7216	VIAR	AV	4	VC
813	22	198434	6297	CAM CORTO		4	VC
814	29	198682	7242	HAMLET	AV	4	VC
815	29	199021	7218	HAMLET	CT	4	VC
816	29	199187	7215	HAMLET	CT	4	VC
817	5	310131	7880	GOLFCREST	DR	4	VC
818	6	311371	7179	RUANE	ST	4	VC
819	8	311443	7721	GOLFCREST	DR	4	VC
820	8	311609	7691	GOLFCREST	DR	4	VC
821	8	312130	7647	MELOTTE	ST	4	VC
822	9	312232	7611	GOLFCREST	DR	4	VC
823	9	312274	7631	MELOTTE	ST	4	VC
824	7	312389	7575	VOLCLAY	DR	4	VC
825	9	312530	7564	GOLFCREST	DR	4	VC
826	12	312758	6848	MONTE VERDE	DR	4	VC
827	9	312950	7527	MELOTTE	ST	4	VC
828	14	313096	7494	GOLFCREST	DR	4	VC
829	14	313714	7437	MELOTTE	ST	4	VC
830	15	314356	6985	TUXEDO	RD	4	VC
831	27	318545	7414	MARGERUM	AV	4	VC
832	28	320144	7233	VIAR	AV	4	VC
833	22	320221	6289	CAM CORTO		4	VC
834	29	320547	7231	HAMLET	AV	4	VC
835	3	185962	7770	MELOTTE	ST	4	VC
836	8	186352	7728	MELOTTE	ST	4	VC
837	6	186452	7724	VOLCLAY	DR	4	VC
838	8	186485	7714	MELOTTE	ST	4	VC
839	8	186667	7712	GOLFCREST	DR	4	VC
840	8	186745	7690	GOLFCREST	DR	4	VC
841	10	186909	7672	ROWENA	ST	4	VC
842	9	187304	7631	GOLFCREST	DR	4	VC
843	9	187412	7621	GOLFCREST	DR	4	VC
844	7	187731	7584	VOLCLAY	DR	4	VC
845	9	187982	7587	MELOTTE	ST	4	VC
846	14	189001	7453	GOLFCREST	DR	4	VC
847	17	189845	7183	CROWLEY	CT	4	VC
848	14	189877	7407	MELOTTE	ST	4	VC
849	17	189957	7175	CROWLEY	CT	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
850	15	190274	6990	TUXEDO	RD	4	VC
851	17	190464	7266	VOLCLAY	DR	4	VC
852	32	194062	5970	HIGHPLACE	DR	4	VC
853	32	194475	7540	MILKY WAY	PT	4	VC
854	25	195425	5684	FONTAINE	ST	4	VC
855	25	195578	5691	FONTAINE	ST	4	VC
856	27	196477	7380	MARGERUM	AV	4	VC
857	29	198336	7281	HAMLET	AV	4	VC
858	29	198482	7271	HAMLET	AV	4	VC
859	29	198796	7234	HAMLET	AV	4	VC
860	3	311132	7775	MELOTTE	ST	4	VC
861	6	311213	7140	RUANE	ST	4	VC
862	6	311350	7145	RUANE	ST	4	VC
863	8	311442	7715	MELOTTE	ST	4	VC
864	12	312801	6856	MONTE VERDE	DR	4	VC
865	9	313008	7517	MELOTTE	ST	4	VC
866	18	313094	7435	STONEVIEW	CT	4	VC
867	18	313112	7436	STONEVIEW	CT	4	VC
868	14	313405	7445	GOLFCREST	DR	4	VC
869	32	316763	5958	HIGHPLACE	DR	4	VC
870	25	317996	5698	FONTAINE	ST	4	VC
871	25	318240	5751	FONTAINE	ST	4	VC
872	26	318292	5759	FONTAINE	ST	4	VC
873	27	318784	7388	MARGERUM	AV	4	VC
874	22	320255	6281	CAM CORTO		4	VC
875	23	320314	6402	CAM CORTO		4	VC
876	5	184467	7845	GOLFCREST	DR	4	VC
877	3	185846	7784	MELOTTE	ST	4	VC
878	6	186206	7744	VOLCLAY	DR	4	VC
879	8	186302	7735	MELOTTE	ST	4	VC
880	8	186634	7697	MELOTTE	ST	4	VC
881	8	186883	7679	MELOTTE	ST	4	VC
882	8	187396	7648	MELOTTE	ST	4	VC
883	7	187853	7564	VOLCLAY	DR	4	VC
884	9	188314	7547	MELOTTE	ST	4	VC
885	12	188368	6855	MONTE VERDE	DR	4	VC
886	9	188401	7537	MELOTTE	ST	4	VC
887	18	188663	7442	STONEVIEW	CT	4	VC
888	14	189035	7464	GOLFCREST	DR	4	VC
889	15	190310	6984	TUXEDO	RD	4	VC
890	24	194967	5548	FONTAINE	ST	4	VC
891	27	196059	7413	MARGERUM	AV	4	VC
892	28	198099	7246	VIAR	AV	4	VC
893	23	198262	6330	CAM CORTO		4	VC
894	23	198335	6346	CAM CORTO		4	VC
895	23	198399	6368	CAM CORTO		4	VC
896	29	198943	7226	HAMLET	CT	4	VC
897	3	311026	7795	MELOTTE	ST	4	VC
898	6	311179	7134	RUANE	ST	4	VC
899	6	311238	7152	RUANE	ST	4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
900	6	311370	7734	VOLCLAY	DR	4	VC
901	8	312065	7640	GOLFCREST	DR	4	VC
902	7	312284	7595	VOLCLAY	DR	4	VC
903	9	312331	7592	GOLFCREST	DR	4	VC
904	9	312376	7619	MELOTTE	ST	4	VC
905	9	312459	7572	GOLFCREST	DR	4	VC
906	9	312551	7563	GOLFCREST	DR	4	VC
907	9	312902	7540	MELOTTE	ST	4	VC
908	14	313814	7426	MELOTTE	ST	4	VC
909	17	314081	7167	CROWLEY	CT	4	VC
910	25	318201	5735	FONTAINE	ST	4	VC
911	26	318420	5815	FONTAINE	ST	4	VC
912	28	320045	7243	VIAR	AV	4	VC
913	29	320140	7268	HAMLET	AV	4	VC
914	28	320222	7223	VIAR	AV	4	VC
915	23	320297	6377	CAM CORTO		4	VC
916	23	320422	6410	CAM CORTO		4	VC
917	23	320510	6418	CAM CORTO		4	VC
918	6	186315	7151	RUANE	ST	4	VC
919	8	186535	7722	GOLFCREST	DR	4	VC
920	10	187023	7666	ROWENA	ST	4	VC
921	8	187199	7660	MELOTTE	ST	4	VC
922	7	187497	7614	VOLCLAY	DR	4	VC
923	9	187771	7611	MELOTTE	ST	4	VC
924	9	188507	7507	GOLFCREST	DR	4	VC
925	14	188981	7486	MELOTTE	ST	4	VC
926	17	189798	7191	CROWLEY	CT	4	VC
927	17	189799	7199	CROWLEY	CT	4	VC
928	14	189917	7406	MELOTTE	ST	4	VC
929	32	193981	5957	HIGHPLACE	DR	4	VC
930	32	194079	5963	HIGHPLACE	DR	4	VC
931	28	197988	7256	VIAR	AV	4	VC
932	28	198241	7236	VIAR	AV	4	VC
933	23	198514	6347	CAM CORTO		4	VC
934	6	311123	7122	RUANE	ST	4	VC
935	6	311240	7160	RUANE	ST	4	VC
936	8	312070	7655	MELOTTE	ST	4	VC
937	9	312406	7582	GOLFCREST	DR	4	VC
938	9	312593	7556	GOLFCREST	DR	4	VC
939	9	312785	7531	GOLFCREST	DR	4	VC
940	9	312835	7550	MELOTTE	ST	4	VC
941	14	313240	7463	GOLFCREST	DR	4	VC
942	14	313865	7417	MELOTTE	ST	4	VC
943	24	317752	5549	FONTAINE	ST	4	VC
944	26	318320	5812	FONTAINE	ST	4	VC
945	22	320046	6306	CAM CORTO		4	VC
946	29	320199	7260	HAMLET	AV	4	VC
947	23	320213	6384	CAM CORTO		4	VC

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
948	23	320262	6392	CAM CORTO		4	VC
949	29	320460	7241	HAMLET	AV	4	VC
950	29	320637	7223	HAMLET	CT	4	VC
951	6	186213	7127	RUANE	ST	4	VC
952	8	186918	7680	MELOTTE	ST	4	VC
953	8	187194	7663	MELOTTE	ST	4	VC
954	7	187593	7604	VOLCLAY	DR	4	VC
955	9	187653	7625	MELOTTE	ST	4	VC
956	7	187659	7594	VOLCLAY	DR	4	VC
957	9	187688	7587	GOLFCREST	DR	4	VC
958	9	188005	7555	GOLFCREST	DR	4	VC
959	9	188304	7528	GOLFCREST	DR	4	VC
960	12	188462	6863	MONTE VERDE	DR	4	VC
961	9	188626	7507	MELOTTE	ST	4	VC
962	14	188903	7487	MELOTTE	ST	4	VC
963	17	189800	7192	CROWLEY	CT	4	VC
964	15	190470	6979	TUXEDO	RD	4	VC
965	32	194403	7546	MILKY WAY	PT	4	VC
966	32	194629	7535	MILKY WAY	PT	4	VC
967	26	195821	5778	FONTAINE	ST	4	VC
968	22	198277	6290	CAM CORTO		4	VC
969	23	198436	6323	CAM CORTO		4	VC
970	23	198654	6385	CAM CORTO		4	VC
971	6	311340	7139	RUANE	ST	4	VC
972	8	311702	7681	GOLFCREST	DR	4	VC
973	8	312124	7630	GOLFCREST	DR	4	VC
974	9	312595	7590	MELOTTE	ST	4	VC
975	9	312775	7560	MELOTTE	ST	4	VC
976	18	313165	7429	STONEVIEW	CT	4	VC
977	14	313181	7484	GOLFCREST	DR	4	VC
978	14	313236	7496	MELOTTE	ST	4	VC
979	14	313610	7447	MELOTTE	ST	4	VC
980	17	314228	7151	CROWLEY	CT	4	VC
981	15	314328	6991	TUXEDO	RD	4	VC
982	26	318402	5767	FONTAINE	ST	4	VC
983	26	318425	5777	FONTAINE	ST	4	VC
984	29	320090	7276	HAMLET	AV	4	VC
985	23	320101	6338	CAM CORTO		4	VC
986	23	320298	6361	CAM CORTO		4	VC
987	9	UNK	7515	GOLFCREST	DR	4	VC
988	5	UNK	7880	GOLFCREST	DR	4	VC
989	5	UNK	7880	GOLFCREST	DR	4	VC
990	5	UNK	7865	GOLFCREST	DR	4	VC
991	5	UNK	7891	GOLFCREST	DR	4	VC
992	5	UNK	7891	GOLFCREST	DR	4	VC
993	5	UNK	7891	GOLFCREST	DR	4	VC
994	5	UNK	7880	GOLFCREST	DR	4	VC
995	5	UNK	7891	GOLFCREST	DR	4	VC
996	23	UNK	6362	CAM CORTO		4	VC
997	23	UNK	6473	CAM CORTO		4	VC
998							

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
999	SEWER LATERALS TO BE REHABILITATED WITHOUT CLEAN OUTS IN TOWNHOMES						
1000	PLAN MAP SHT #	LAT FSN	STREET NUMBER	STREET NAME	ST SUFFIX	SIZE	MATERIAL
1001	40	194863	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1002	40	194920	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1003	40	194971	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1004	40	195031	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1005	40	195072	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1006	40	195103	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1007	40	195251	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1008	40	195379	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1009	40	317478	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1010	40	317488	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1011	40	317573	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1012	40	317581	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1013	40	317591	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1014	40	317842	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1015	40	194798	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1016	40	194986	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1017	40	195085	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1018	40	195091	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1019	40	195120	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1020	40	195253	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1021	40	317420	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1022	40	317588	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1023	40	317688	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1024	40	317705	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1025	40	317828	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1026	40	317976	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1027	40	317993	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1028	40	194992	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1029	40	195157	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1030	40	195210	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1031	40	195347	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1032	40	195553	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1033	40	317395	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1034	40	317475	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1035	40	317539	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1036	40	317564	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1037	40	317565	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1038	40	317603	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1039	40	317648	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1040	40	317827	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1041	40	317904	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1042	40	318034	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1043	40	194893	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1044	40	195162	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK

**SCOPE OF WORK - SEWER LATERAL WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135**

	A	B	C	D	E	F	G
1045	40	195355	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1046	40	195392	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1047	40	195500	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1048	40	317665	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1049	40	317909	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1050	40	318019	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1051	40	194927	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1052	40	194953	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1053	40	195022	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1054	40	195032	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1055	40	195058	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1056	40	195278	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1057	40	195526	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1058	40	317527	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1059	40	317535	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1060	40	317594	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1061	40	317610	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1062	40	317864	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1063	40	194705	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1064	40	194761	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1065	40	194780	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1066	40	195011	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1067	40	195569	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1068	40	317507	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1069	40	317544	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1070	40	317556	UNK	CAMINITO TAXCO	(PVT)	4	UNK
1071	40	317578	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1072	40	317631	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1073	40	317653	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1074	40	317675	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1075	40	317914	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1076	40	194807	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1077	40	195056	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1078	40	195384	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1079	40	195417	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1080	40	317620	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1081	40	317729	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1082	40	317809	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1083	40	194833	UNK	CAMINITO FLAMENCO	(PVT)	4	UNK
1084	40	195265	UNK	CAMINITO DELAGO	(PVT)	4	UNK
1085	40	195284	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1086	40	195309	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1087	40	195422	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1088	40	317536	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1089	40	317724	UNK	CAMINITO CARLOTTA	(PVT)	4	UNK
1090	40	317781	UNK	CAMINITO NAVIDAD	(PVT)	4	UNK
1091	40	317791	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1092	40	317819	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1093	40	317892	UNK	CAMINITO SANTIAGO	(PVT)	4	UNK
1094	40	317925	UNK	CAMINITO DELAGO	(PVT)	4	UNK

APPENDIX M

SEWER MANHOLE AND CLEANOUT SCOPE OF WORK

SCOPE OF WORK Pipeline Rehabilitation AN-1 / WBS.No. B-16135

Manhole Replacements			MORATORIUMS								
PLAN MAP SHT #	MH FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY	
6	128847		M13S-23	CONC	NO	YES	10/8/2015	10/8/2018	483.31	11	
37	123365		L14S-110	CONC	NO	YES	10/2/2015	10/2/2018	607.03	7	
14	128864		M13S-40	CONC	NO	YES	10/8/2015	10/8/2018	473	10	
14	128872		M13S-48	CONC	NO	NO			474.76	9	
14	128873		M13S-49	CONC	NO	NO			478	7	
Manhole Rehabilitation											
PLAN MAP SHT #	MH FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY	
1	128899		M13S-76	CONC	NO	NO			583.97	8	
2	128864		M13S-40	CONC	NO	YES (INTERSECTION)	10/8/2015	10/8/2018	473	10	
9	128865		M13S-41	CONC	NO	YES	9/29/2015	9/29/2018	482	7	
4	129063		M14S-159	CONC	YES	NO	6/24/2014	6/24/2019	652.62	7	
5	129075		M14S-171	CONC	YES	NO	6/26/2014	6/26/2019	656.89	9	
6	123356		L14S-100	CONC	NO	NO			593.08	8	
7	123438		L14S-196	CONC	NO	NO			721.91	7	
8	123266		L14S-9	CONC	NO	NO			322.6	8	
9	116772		K14S-95	CONC	NO	NO			265.97	7	
10	123276		L14S-19	CONC	NO	NO			352.1	8	
11	123400		L14S-154	CONC	NO	NO			660.9	8	
12	123487		L14S-253	CONC	NO	NO			300	9	
2	128826		M13S-2	CONC	NO	NO			417	10	
3	128829		M13S-5	CONC	NO	YES (INTERSECTION)	9/29/2015	9/29/2018	438.7	7	
3	128830		M13S-6	CONC	NO	NO			457	8	
8	128835		M13S-11	CONC	NO	YES	9/29/2015	9/29/2018	454.22	7	
10	128836		M13S-12	CONC	NO	YES	9/29/2015	9/29/2018	480	12	
8	128837		M13S-13	CONC	NO	YES (INTERSECTION)	10/1/2015	10/1/2018	474.22	7	
10	128838		M13S-14	CONC	NO	YES	9/29/2015	9/29/2018	493.7	7	
10	128840		M13S-16	CONC	NO	YES	9/29/2015	9/29/2018	502	7	
8	128841		M13S-17	CONC	NO	YES	10/1/2015	10/1/2018	493.35	7	
9	128843		M13S-19	CONC	NO	YES	10/1/2015	10/1/2018	512.92	7	
8	128844		M13S-20	CONC	NO	YES	10/1/2015	10/1/2018	512.5	7	
9	128845		M13S-21	CONC	NO	NO			513.2	7	
8	128846		M13S-22	CONC	NO	NO			495.7	7	
8	128848		M13S-24	CONC	NO	NO			478.22	7	
3	128849		M13S-25	CONC	NO	NO			465.6	7	
6	128855		M13S-31	CONC	NO	NO			514.81	11	
7	128856		M13S-32	CONC	NO	NO			540.71	8	
7	128857		M13S-33	CONC	NO	YES	10/8/2015	10/8/2018	522.89	7	
7	128858		M13S-34	CONC	NO	NO			565.13	8	
9	128867		M13S-43	CONC	NO	YES	10/1/2015	10/1/2018	506	7	
9	128868		M13S-44	CONC	NO	YES (INTERSECTION)	10/7/2015	10/7/2018	501.4	7	
7	128905		M13S-82	CONC	NO	NO			567.03	8	

SCOPE OF WORK
PIPELINE REHABILITATION AN-1 / WBS. No B-16135

9	128911		M13S-88	CONC	NO	NO			521.8	7	
36	128931		M14S-19	CONC	NO	NO			659	8	
2	128825		M13S-1	CONC	NO	NO			398	34	
38	128909		M13S-86	CONC	NO	YES (INTERSECTION)	10/8/2015	10/8/2018	524	7	
39	128906		M13S-83	CONC	NO	NO			560.32	5	
40	128907		M13S-84	CONC	NO	NO			555.68	8	
6	128850		M13S-26	CONC	NO	YES	10/8/2015	10/8/2018	478.88	7	
42	128900		M13S-77	CONC	NO	NO			553.96	8	
43	128889		M13S-66	CONC	NO	NO			579	8	
44	128872		M13S-48	CONC	NO	NO			474.76	9	
45	128861		M13S-37	CONC	NO	YES	9/29/2015	9/29/2018	489	9	
10	128842		M13S-18	CONC	NO	YES	9/29/2015	9/29/2018	496	8	
47	129154		M14S-253	CONC	YES	NO	6/26/2014	6/26/2019	654.71	8	
48	123385		L14S-137	CONC	NO	NO			645.32	8	
49	123386		L14S-138	CONC	NO	NO			636.11	10	
50	123381		L14S-133	CONC	NO	NO			620.4	9	
51	123382		L14S-134	CONC	NO	NO			633.72	7	
52	123362		L14S-107	CONC	NO	YES	10/2/2015	10/2/2018	610.31	9	
53	123360		L14S-104	CONC	NO	YES	10/8/2015	10/8/2018	618	8	
54	123368		L14S-116	CONC	NO	YES	9/30/2015	9/30/2018	617.14	14	
55	123355		L14S-99	CONC	NO	NO			600.24	8	
56	123264		L14S-7	CONC	NO	NO			376.4	7	
57	123283		L14S-26	CONC	NO	NO			353.6	7	
58	123284		L14S-27	CONC	NO	NO			356	8	
59	123280		L14S-23	CONC	NO	NO			328.5	9	
60	123281		L14S-24	CONC	NO	NO			334.35	7	
61	123274		L14S-17	CONC	NO	NO			309.7	7	
62	123267		L14S-10	CONC	NO	NO			324.81	9	
63	123269		L14S-12	CONC	NO	NO			327.1	8	
64	116774		K14S-97	CONC	NO	NO			253.88	6	
65	123485		L14S-251	CONC	NO	NO			272.17	7	
66	123486		L14S-252	CONC	NO	NO			293.39	7	
67	123506		L14S-272	CONC	NO	NO			322.55	6	
68	123379		L14S-131	CONC	NO	NO			639.6	8	
7	128912		M13S-89	CONC	NO	YES	10/8/2015	10/8/2018	544.59	5	
7	128903		M13S-80	CONC	NO	NO			586.77	8	
9	128866		M13S-42	CONC	NO	YES	10/1/2015	10/1/2018	509.42	7	
72	123554		L14S-321	CONC	NO	NO			647.57	10	
73	123546		L14S-313	CONC	NO	NO			675.26	8	
74	123551		L14S-318	CONC	NO	NO			675.62	8	
75	116769		K14S-92	CONC	NO	NO			270.39	9	
76	116771		K14S-94	CONC	NO	NO			267.08	7	
77	116773		K14S-96	CONC	NO	NO			263.54	7	
78	123507		L14S-273	CONC	NO	NO			306.03	6	
79	123488		L14S-254	CONC	NO	NO			274.91	11	
80	123505		L14S-271	CONC	NO	NO			314.51	6	
82	129141		M14S-240	CONC	YES	NO	6/26/2014	6/26/2019	660.66	10	

**SCOPE OF WORK
PIPELINE REHABILITATION AN-1 / WBS.No B-16135**

83	123369		L14S-117	CONC	NO	NO			624.4	8	
84	123384		L14S-136	CONC	NO	NO			650	8	
85	123391		L14S-143	CONC	NO	NO			659.2	7	
86	128932		M14S-20	CONC	NO	NO			658.44	8	
87	123383		L14S-135	CONC	NO	NO			634.6	7	
88	123366		L14S-112	CONC	NO	NO			616.66	8	
									Total	709	

Existing Sewer Main Plugs to be Replaced with New Sewer Main Clean Outs

PLAN MAP SHT #	EX PLUG FSN	ADDITIONAL NOTES	EX PLUG ID#	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY	
7	128902		M13S-79	NO	NO			592.66	7	
18	128904		M13S-81	NO	NO			567.12	9	
14	128870		M13S-46	NO	YES	10/7/2015	10/7/2018	506.8	8	
14	128869		M13S-45	NO	YES	10/7/2015	10/7/2018	506	7	
15	128883		M13S-59	NO	NO			492.5	6	
17	128895	MHPA Moratorium from Feb., 01 to Sept., 15	M13S-72	NO	YES	10/6/2015	10/6/2018	614.7	7	
9	128910		M13S-87	NO	NO			525	7	
18	5516639		M13S-90	NO	NO			594.07	7	
17	128898	MHPA Moratorium from Feb., 01 to Sept., 15	M13S-75	NO	NO			604.34	8	
10	128839		M13S-15	NO	YES	9/29/2015	9/29/2018	500.5	7	
5	128834		M13S-10	NO	NO			496.5	7	
19	129076		M14S-172	YES	NO	6/24/2014	6/24/2019	658.09	14	
20	129142		M14S-241	YES	NO	6/26/2014	6/26/2019	668.66	6	
40	123393		L14S-145	NO	NO			644.97	UNK	
40	123380		L14S-132	NO	NO			640.01	UNK	
40	123392		L14S-144	NO	NO			640.3	8	
40	123387		L14S-139	NO	NO			639.71	UNK	
40	123371		L14S-120	NO	NO			631.5	UNK	
40	123389		L14S-141	NO	NO			662.1	7	
40	123388		L14S-140	NO	NO			660.88	7	
36	123359		L14S-103	NO	NO			620.3	7	
36	123357		L14S-101	NO	NO			605.04	10	
23	123441		L14S-199	NO	NO			748.07	6	
21	123548		L14S-315	NO	NO			706.43	8	
28	123489		L14S-255	NO	NO			282.95	8	
27	123490		L14S-256	NO	NO			281.93	8	
30	123282		L14S-25	NO	NO			334.5	7	
32	123279		L14S-22	NO	NO			404	7	
33	123277		L14S-20	NO	NO			354.5	7	
32	123289		L14S-32	NO	NO			415	7	
24	116768	MHPA Moratorium from Feb., 01 to Sept., 15	K14S-91	NO	NO			284.39	7	
6	128854	MHPA Moratorium from Feb., 01 to Sept., 15	M13S-30	NO	NO			UNK	UNK	
18	5516639		M13S-90	NO	NO			594.07	7	

APPENDIX N

SEWER PIPELINE REHABILITATION SCOPE OF WORK

SCOPE OF WORK Pipeline Rehabilitation AN-1 / WBS.No. B-16135

Mains to be Replaced

MORATORIUMS

PLAN MAP SHT #	FSN	LENGTH OF MAIN	SIZE_NUM	MATERIAL	OVERLAY	SLURRY	START	END	USMH_IE	DSHM_IE	USMH DEPTH	DSMH DEPTH
14	62463	354	8	VC	NO	NO			478	474.46	7	9
14	62462	363	8	VC	NO	YES (INTERSECTION)	10/8/2015	10/8/2018	474.46	473	9	10
	TOTAL	717										

Point Repairs then Rehab Main

PLAN MAP SHT #	FSN	LENGTH OF MAIN	SIZE_NUM	MATERIAL	OVERLAY	SLURRY	START	END	USMH_IE	DSHM_IE	USMH DEPTH	DSMH DEPTH	PT REPAIR LENGTHS
23	56984	261	8	VC	NO	NO			721.91	695.82	7	5	16
10	62426	183	8	VC	NO	YES	9/29/2015	9/29/2018	480	474.22	12	7	8
17	62479	324	8	VC	NO	YES (INTERSECTION)	10/6/2015	10/6/2018	544.93	511.29	9	10	8
3	62424	210	8	VC	NO	YES	9/29/2015	9/29/2018	454.22	438.7	7	7	8
24	50131	247	8	VC	NO	NO			299.32	298.33	6	5	56
	TOTAL	1225											

Sewer Main Rehabilitation

PLAN MAP SHT #	FSN	LGTH_QTY	SIZE_NUM	MATERIAL	OVERLAY	SLURRY	START	END
26	50251	123	8	VC	N/A	N/A		
32	56828	101	8	VC	N/A	N/A		
36	56898	120	8	VC	N/A	N/A		
36	56899	115	8	VC	N/A	N/A		
36	56901	115	8	VC	N/A	N/A		
40	56909	225	8	VC	N/A	N/A		
40	56936	46	8	VC	N/A	N/A		
38	57017	200	8	VC	N/A	N/A		
39	57020	244	8	VC	N/A	N/A		
21	57091	250	8	VC	N/A	N/A		
2	62414	106	8	VC	N/A	N/A		
5	62415	169	8	VC	N/A	N/A		
10	62429	338	8	VC	N/A	N/A		
7	62448	388	8	VC	N/A	N/A		
11	62456	208	8	VC	N/A	N/A		
9	62459	200	8	VC	N/A	N/A		
15	62465	150	8	VC	N/A	N/A		
15	62466	180	8	VC	N/A	N/A		
18	62492	336	8	VC	N/A	N/A		
18	5516638	274	8	VC	N/A	N/A		
26	50250	295	8	VC	N/A	N/A		
30	56815	14	8	VC	N/A	N/A		
33	56821	78	8	VC	N/A	N/A		
32	56827	158	8	VC	N/A	N/A		
40	56911	139	8	VC	N/A	N/A		
28	57049	109	8	VC	N/A	N/A		
5	62416	350	8	VC	N/A	N/A		
14	62460	114	8	VC	N/A	N/A		
15	62480	298	8	VC	N/A	N/A		
17	62488	78	8	VC	N/A	N/A		
7	62496	340	8	VC	N/A	N/A		
19	62661	285	8	VC	N/A	N/A		
25	50141	131	8	VC	N/A	N/A		
26	50335	18	8	VC	N/A	N/A		
34	56807	275	8	VC	N/A	N/A		
30	56813	184	8	VC	N/A	N/A		
30	56816	261	8	VC	N/A	N/A		
31	56817	274	8	VC	N/A	N/A		
30	56818	294	8	VC	N/A	N/A		
36	56902	101	8	VC	N/A	N/A		
40	56916	84	8	VC	N/A	N/A		
40	56923	45	8	VC	N/A	N/A		

SCOPE OF WORK
PIPELINE REHABILITATION AN-1 / WBS.No. B16135

PLAN MAP SHT #	FSN	LGTH_QTY	SIZE_NUM	MATERIAL	OVERLAY	SLURRY	START	END						
39	57018	350	8	VC	N/A	N/A								
27	57025	350	8	VC	N/A	N/A								
28	57027	231	8	VC	N/A	N/A								
27	57032	265	8	VC	N/A	N/A								
27	57033	126	8	VC	N/A	N/A								
27	57034	145	8	VC	N/A	N/A								
27	57035	176	8	VC	N/A	N/A								
3	62423	94	8	VC	N/A	N/A								
8	62425	240	8	VC	N/A	N/A								
16	62475	350	8	VC	N/A	N/A								
14	62498	325	8	VC	N/A	N/A								
40	62522	47	8	VC	N/A	N/A								
26	5440802	107	8	VC	N/A	N/A								
24	50136	175	8	VC	N/A	N/A								
34	56809	203	8	VC	N/A	N/A								
35	56895	320	8	VC	N/A	N/A								
40	56915	65	8	VC	N/A	N/A								
40	56919	76	8	VC	N/A	N/A								
40	56921	40	8	VC	N/A	N/A								
40	56935	165	8	VC	N/A	N/A								
40	56939	135	8	VC	N/A	N/A								
40	56940	176	8	VC	N/A	N/A								
23	56981	190	8	VC	N/A	N/A								
28	57029	154	8	VC	N/A	N/A								
28	57030	161	8	VC	N/A	N/A								
29	57048	151	8	VC	N/A	N/A								
28	57051	204	8	VC	N/A	N/A								
21	57093	130	8	VC	N/A	N/A								
22	57097	204	8	VC	N/A	N/A								
3	62422	295	8	VC	N/A	N/A								
10	62428	110	8	VC	N/A	N/A								
11	62430	350	8	VC	N/A	N/A								
6	62442	328	8	VC	N/A	N/A								
6	62446	350	8	VC	N/A	N/A								
7	62449	262	8	VC	N/A	N/A								
11	62454	197	8	VC	N/A	N/A								
9	62458	337	8	VC	N/A	N/A								
18	62493	148	8	VC	N/A	N/A								
14	62501	348	8	VC	N/A	N/A								
25	50138	221	8	VC	N/A	N/A								
25	50140	128	8	VC	N/A	N/A								
26	50142	214	8	VC	N/A	N/A								
33	56806	253	8	VC	N/A	N/A								
27	56811	239	8	VC	N/A	N/A								
30	56812	161	8	VC	N/A	N/A								
32	56822	299	8	VC	N/A	N/A								
31	56826	377	8	VC	N/A	N/A								
37	56913	41	8	VC	N/A	N/A								
39	57019	286	8	VC	N/A	N/A								
27	57031	70	8	VC	N/A	N/A								
29	57052	163	8	VC	N/A	N/A								
21	57092	140	8	VC	N/A	N/A								
22	57096	205	8	VC	N/A	N/A								
8	62432	290	8	VC	N/A	N/A								
6	62445	297	8	VC	N/A	N/A								
12	62450	284	8	VC	N/A	N/A								
12	62451	350	8	VC	N/A	N/A								
15	62467	273	8	VC	N/A	N/A								
18	62494	200	8	VC	N/A	N/A								
7	62495	84	8	VC	N/A	N/A								
20	62750	350	8	VC	N/A	N/A								
34	56808	243	8	VC	N/A	N/A								
30	56814	302	8	VC	N/A	N/A								

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PLAN MAP SHT #	FSN	LGTH_QTY	SIZE_NUM	MATERIAL	OVERLAY	SLURRY	START	END										
32	56823	103	8	VC	N/A	N/A												
23	56982	103	8	VC	N/A	N/A												
23	56983	320	8	VC	N/A	N/A												
38	57016	150	8	VC	N/A	N/A												
29	57050	187	8	VC	N/A	N/A												
2	62418	214	8	VC	N/A	N/A												
4	62419	339	8	VC	N/A	N/A												
10	62427	120	8	VC	N/A	N/A												
9	62431	350	8	VC	N/A	N/A												
8	62436	350	8	VC	N/A	N/A												
6	62439	340	8	VC	N/A	N/A												
7	62447	350	8	VC	N/A	N/A												
12	62452	350	8	VC	N/A	N/A												
11	62455	350	8	VC	N/A	N/A												
15	62478	300	8	VC	N/A	N/A												
16	62481	325	8	VC	N/A	N/A												
17	62487	300	8	VC	N/A	N/A												
17	62489	250	8	VC	N/A	N/A												
33	56805	196	8	VC	N/A	N/A												
33	56819	250	8	VC	N/A	N/A												
40	56907	160	8	VC	N/A	N/A												
40	56920	151	8	VC	N/A	N/A												
40	56924	196	8	VC	N/A	N/A												
38	57015	260	8	VC	N/A	N/A												
2	62417	200	8	VC	N/A	N/A												
6	62420	116	8	VC	N/A	N/A												
8	62433	240	8	VC	N/A	N/A												
6	62441	212	8	VC	N/A	N/A												
6	62444	65	8	VC	N/A	N/A												
11	62453	229	8	VC	N/A	N/A												
14	62461	155	8	VC	N/A	N/A												
15	62464	290	8	VC	N/A	N/A												
15	62476	254	8	VC	N/A	N/A												
16	62482	302	8	VC	N/A	N/A												
16	62483	313	8	VC	N/A	N/A												
14	62499	342	8	VC	N/A	N/A												
40	62523	201	8	VC	N/A	N/A												
16	62551	122	8	VC	N/A	N/A												
19	62660	200	8	VC	N/A	N/A												
13	56630	350	8	VC	N/A	N/A												
13	56631	343	8	VC	N/A	N/A												
33	56820	267	8	VC	N/A	N/A												
31	56824	165	8	VC	N/A	N/A												
31	56825	341	8	VC	N/A	N/A												
37	56910	225	8	VC	N/A	N/A												
37	56912	125	8	VC	N/A	N/A												
40	56917	88	8	VC	N/A	N/A												
40	56922	70	8	VC	N/A	N/A												
8	62435	267	8	VC	N/A	N/A												
9	62437	350	8	VC	N/A	N/A												
6	62440	336	8	VC	N/A	N/A												
6	62443	212	8	VC	N/A	N/A												
11	62457	317	8	VC	N/A	N/A												
15	62477	350	8	VC	N/A	N/A												
17	62484	125	8	VC	N/A	N/A												
17	62485	271	8	VC	N/A	N/A												
17	62486	224	8	VC	N/A	N/A												
17	62490	162	8	VC	N/A	N/A												
9	62497	187	8	VC	N/A	N/A												
20	62741	200	8	VC	N/A	N/A												
18	5516637	95	8	VC	N/A	N/A												
28	57028	339	8	VC	N/A	N/A												
22	57089	90	8	VC	N/A	N/A												

ATTACHMENT F
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ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **Southwest Pipeline and Trenchless, Corp.**, herein called "Contractor" for construction of **Pipeline Rehabilitation AN-1 ; Bid No. K-18-1708-DBB-3**; in the amount of **Three Million Nine Hundred Seventy-One Thousand Four Hundred Fifty-Six Dollars and Forty Cents (\$3,971,456.40)**, which is comprised of the Base Bid.

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 AN-1**, on file in the office of the Public Works Department as Document No. **B-16135**, 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 AN-1**, Bid No. **K-18-1708-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT AGREEMENT (continued)

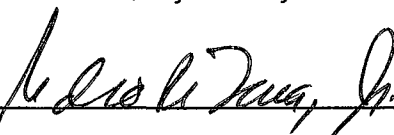
IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code §22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Mara W. Elliott, City Attorney

By 

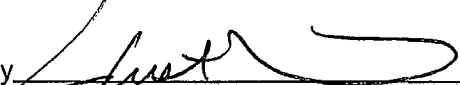
Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

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

Date: 6/15/2018

Date: 6/19/18

CONTRACTOR

By 

Print Name: Justin Duchaineau

Title: President

Date: 4-11-2018

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000002176

CERTIFICATIONS AND FORMS

The Bidder / Proposer, by submitting its electronic bid or proposal, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this submission are true and correct.

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 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

This company has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

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

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 BENEFITS 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 AN-1

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. **K-18-1708-DBB-3**; SAP No. (WBS/IO/CC) **B-16135**; 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 - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	DIR Registration Number	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED ②	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	DIR Registration Number	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

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

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

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**

Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That Southwest Pipeline and Trenchless Corp as Principal, and
Liberty Mutual 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 AN-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 2nd day of February, 2018

Southwest Pipeline and Trenchless Corp (SEAL)

Liberty Mutual Insurance Company (SEAL)

(Principal)

(Surety)

By: [Signature]

By: [Signature]

(Signature)

Noemi Quiroz, Attorney-in-Fact
(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

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

State of California)
) ss
County of Los Angeles)


On FEB 02 2018, before me, Lisa L. Thornton, Notary Public, personally appeared Noemi Quiroz, 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.



(Seal)

Signature: 
Lisa L. Thornton, Notary Public

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: The City of San Diego

Surety Bond Number: Bid Bond Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 6th day of March, 2017.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company
By: [Signature]
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of March, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 2nd day of February, 2018.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

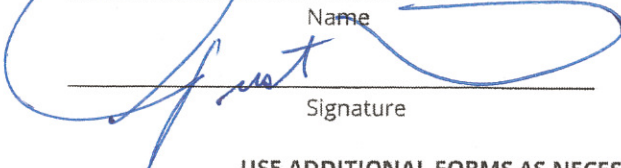
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By Justin Duchaineau Title President

Name

 Signature

Date 2-19-2018

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Southwest Pipeline & Trenchless Corp.			
Legal Name		DBA	
22118 South Vermont Avenue	Torrance	California	90502
Street Address	City	State	Zip
Mr. Justin Duchaineau, President	310-329-8717		
Contact Person, Title	Phone	Fax	

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Justin Duchaineau	President
Name	Title/Position
Los Angeles, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
0%	
Interest in the transaction	

Luis Salcedo	Project Manager
Name	Title/Position
La Mesa, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
0%	
Interest in the transaction	

Robert Bolger	Estimator
Name	Title/Position
Pasadena, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
0%	
Interest in the transaction	

	Title/Position
Name	
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

*** Use Additional Pages if Necessary ***

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Justin Duchaineau - President

Print Name, Title



Signature

6/8/18

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.

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. Clarifications

1. To Cover Page, BID DUE DATE, **DELETE** CITY OF SAN DIEGO, PUBLIC WORKS CONTRACTS, 1010 SECOND AVENUE, 14TH FLOOR, MS614C, SAN DIEGO, CA 92101 in its entirety and **SUBSTITUTE** with the following:

**CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101**

2. The Pre-Bid Meeting for this project, scheduled for February 8, 2018 at 10:00 am, is cancelled and will not be rescheduled.

C. Notice Inviting Bids

1. To Item 8, **PRE-BID MEETING**, page 5, Sub-item 8.1., **DELETE** in its entirety.
2. To Item 10, **SUBMISSION OF QUESTIONS**, page 6, Sub-item 10.1., Public Works Contracts Address, **DELETE** in its entirety and **SUBSTITUTE** with the following:

Public Works Contracts
525 B Street, Suite 750, MS 908A
San Diego, CA 92101
Attention: Antoinette Sanfilippo

OR:

ASanfilippo@sandiego.gov

James Nagelvoort, Director
Public Works Department

Dated: *February 9, 2018*
San Diego, California

JN/AJ/ss

Bid Results

Bidder Details

Vendor Name Southwest Pipeline and Trenchless Corp.
Address 22118 S. Vermont Avenue
 Torrance, CA 90502
 United States
Respondee Justin Duchaineau
Respondee Title President
Phone 310-329-8717 Ext. 104
Email justin@swpipeline.com
Vendor Type PQUAL,CADIR
License # 773862
CADIR 1000002176

Bid Detail

Bid Format Electronic
Submitted February 22, 2018 1:34:28 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 132745
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractor's Certification	Contractor's Certification.pdf	CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS
Bid Bond	Bid Bond.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
Main Bid						
1	Bonds (Payment and Performance)					
	524126	LS	1	\$30,500.00	\$30,500.00	
2	Video Recording of Existing Conditions					
	238990	LS	1	\$2,500.00	\$2,500.00	
3	Mobilization					
	237110	LS	1	\$5,000.00	\$5,000.00	
4	Field Orders - (EOC Type II)					
		AL	1	\$200,000.00	\$200,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Traffic Control Design (Working Drawings)					
	541330	LS	1	\$5,000.00	\$5,000.00	
6	Traffic Control					
	237310	LS	1	\$5,000.00	\$5,000.00	
7	Portable Changeable Message Signs (PCMS) - (EOC Type I)					
	237310	AL	1	\$5,000.00	\$5,000.00	
8	Asphalt Pavement Repair					
	237310	TON	10	\$150.00	\$1,500.00	
9	Rubber Polymer Modified Slurry Type I					
	237310	SF	19852	\$0.85	\$16,874.20	
10	Rubber Polymer Modified Slurry Type II					
	237310	SF	19852	\$0.85	\$16,874.20	
11	Pavement Restoration Adjacent to Trench					
	237310	SF	2400	\$3.50	\$8,400.00	
12	Asphalt Concrete Overlay					
	237110	TON	150	\$150.00	\$22,500.00	
13	Cross Gutter					
	237110	SF	340	\$18.50	\$6,290.00	
14	Additional Sidewalk Removal and Replacement					
	237110	SF	525	\$12.50	\$6,562.50	
15	Additional Curb & Gutter Removal and Replacement					
	237110	LF	200	\$65.00	\$13,000.00	
16	Additional Bedding					
	237110	CY	30	\$20.00	\$600.00	
17	Sewer Main (8 Inch)					
	237110	LF	717	\$122.00	\$87,474.00	
18	Imported Backfill For Trench					
	237110	TON	204	\$20.00	\$4,080.00	
19	Trench Shoring					
	237110	LS	1	\$1,000.00	\$1,000.00	
20	Temporary Resurfacing					
	237310	TON	75	\$1.00	\$75.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Manholes (3 ft x 4 ft)					
	237110	EA	5	\$10,000.00	\$50,000.00	
22	Sewer Main Cleanouts (8 inch)					
	237110	EA	32	\$3,500.00	\$112,000.00	
23	Sewer Lateral and Cleanout (4 inch)					
	237110	EA	19	\$3,100.00	\$58,900.00	
24	Cleaning and Video Inspecting Existing Pipelines (Sewer Mains)					
	237110	LF	40412	\$1.00	\$40,412.00	
25	Video Inspecting Pipelines for Acceptance (Sewer Mains)					
	237110	LF	41129	\$0.50	\$20,564.50	
26	Cleaning and Video Inspecting Existing Laterals (Lateral Launch Videos)					
	237110	EA	1064	\$10.00	\$10,640.00	
27	Video Inspecting Pipelines for Acceptance (Rehabbed and Replaced Sewer Laterals)					
	237110	EA	1083	\$5.00	\$5,415.00	
28	Striping					
	237310	LS	1	\$2,500.00	\$2,500.00	
29	Rehabilitate 8-Inch Sewer Main					
	237110	LF	40412	\$20.00	\$808,240.00	
30	Point Repair for Existing 8-Inch Sewer Main					
	237110	EA	5	\$8,000.00	\$40,000.00	
31	Additional Point Repair for Existing 8-Inch Sewer Main					
	237110	LF	100	\$60.00	\$6,000.00	
32	4 Inch Service Lateral Connection (Top Hats)					
	237110	EA	1060	\$700.00	\$742,000.00	
33	6 Inch Service Lateral Connection (Top Hats)					
	237110	EA	4	\$700.00	\$2,800.00	
34	4 Inch Service Lateral Rehabilitation with Cleanout up to 7 Feet In Depth					
	237110	EA	315	\$1,725.00	\$543,375.00	
35	4 Inch Service Lateral Rehabilitation with Cleanout Greater than 7 Feet In Depth					
	237110	EA	651	\$1,350.00	\$878,850.00	
36	4 Inch Service Lateral Rehabilitation without Cleanout					
	237110	EA	94	\$700.00	\$65,800.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	6 Inch Service Lateral Rehabilitation with Cleanout Greater than 7 Feet In Depth					
	237110	EA	4	\$1,550.00	\$6,200.00	
38	Rehabilitate Existing Manholes					
	237110	VF	709	\$170.00	\$120,530.00	
39	Water Pollution Control Plan Development					
	541330	LS	1	\$500.00	\$500.00	
40	Water Pollution Control Plan Implementation					
	237990	LS	1	\$1,000.00	\$1,000.00	
41	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$1,500.00	\$1,500.00	
42	Curb Ramp (type C2) with Detectable Warning Title					
	237310	EA	4	\$4,000.00	\$16,000.00	
Subtotal					\$3,971,456.40	
Total					\$3,971,456.40	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
YBS CONCRETE INC. PO BOX 1197 CHULA VISTA, CA 91911 United States	Concrete cross gutter, curb and gutter, sidewalk repair/replace, Curb Ramps	885270	1000005182	\$41,852.50	LAT,MALE,SLBE,CADIR
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Slurry Seal	784969	1000000645	\$33,351.36	CAU,MALE,PQUAL,CADIR
Easy Flow 14275 Crystal View Lane Poway, CA 92064 United States	clean and cctv, Lateral Rehab, Lateral Cleanouts, Mainline open cut	960845	1000010925	\$1,746,689.40	CAU,MALE,ELBE,CADIR
National coating and lining company 26713 Madison ave Murrieta, CA 92562 United States	Manhole Rehab	886430	1000013795	\$120,530.00	