

ORIGINAL

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless Corp.
ADDRESS: 22118 S. Vermont Avenue, Torrance, CA 90502
TELEPHONE NO.: (310) 329-8717 ext. 103 FAX NO.: (310) 329-0981
CITY CONTACT: Michelle Muñoz, Contract Specialist, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633
J.Gallardo/A.Rekani/mlw

BIDDING DOCUMENTS



FOR

Pipeline Rehabilitation AI-1

BID NO.: K-17-1461-DBB-3
SAP NO. (WBS/IO/CC): B-15187
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 1, 2, 4, 5, 6, 7 & 9
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
AUGUST 9, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101**

ENGINEER OF WORK

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

Spore

1) For City Engineer

5/31/16

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 AI-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 website: <http://www.sandiego.gov>.
 3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,295,000.00**.
 4. **BID DUE DATE AND TIME ARE: AUGUST 9, 2016 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 classifications are required for this contract: A or C34
 7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** The City has incorporated mandatory SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:
 1. SLBE participation **4.3%**
 2. ELBE participation **11.0%**
 3. Total mandatory participation **15.3%**
- 7.1. The Bid shall be declared non-responsive if the Bidder fails the following mandatory conditions:
- 7.1.1. Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
 - 7.1.2. Bidder's submission of 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: July 21, 2016
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.

10. SUBMISSION OF QUESTIONS:

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

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

OR:

MichelleM@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 fiduciary requirement to safeguard vendor data, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS: Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.

- 2.1. BIDDERS MUST BE PRE-REGISTERED with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter 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 in 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 2-1.1.2, “Joint Venture Contractors” in The WHITEBOOK for details.

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.

1. **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”)	2012	PITS070112-01

Title	Edition	Document Number
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

10. **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 addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
11. **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.
12. **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.
13. **SUBCONTRACTOR INFORMATION:**
- 13.1. **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 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.

- 13.2. **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)** 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.
- 13.3. **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.
14. **SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
15. **AWARD PROCESS:**
 - 15.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
 - 15.2. 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.
 - 15.3. 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.
16. **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.
17. **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.

18. **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.

19. **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.

20. **BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):**
 - 20.1. 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.
 - 20.2. 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.
 - 20.3. 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.
 - 20.4. 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.
 - 20.5. 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**.

21. **AWARD OF CONTRACT OR REJECTION OF BIDS:**
 - 21.1. This contract may be awarded to the lowest responsible and reliable Bidder.
 - 21.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.

- 21.3. 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.
- 21.4. 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.
- 21.5. 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.
- 21.6. 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.
- 21.7. 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.
- 21.8. 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.

22. BID RESULTS:

- 22.1. 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.
- 22.2. 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.

23. THE CONTRACT:

- 23.1. 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.
- 23.2. 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.

- 23.3. 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.
- 23.4. 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.
- 23.5. 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.
24. **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.
25. **CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 25.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 25.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 25.3. The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 25.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 25.5. 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.
- 25.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

25.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

26. **PRE-AWARD ACTIVITIES:**

26.1. 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**.

26.2. 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 ~~Four Million Two Hundred Fifty Six Thousand Six Hundred Eighty Two and 50/100 (\$4,256,682.50)~~ for the faithful performance of the annexed contract, and in the sum of ~~Four Million Two Hundred Fifty Six Thousand Six Hundred Eighty Two and 50/100 (\$4,256,682.50)~~ 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.

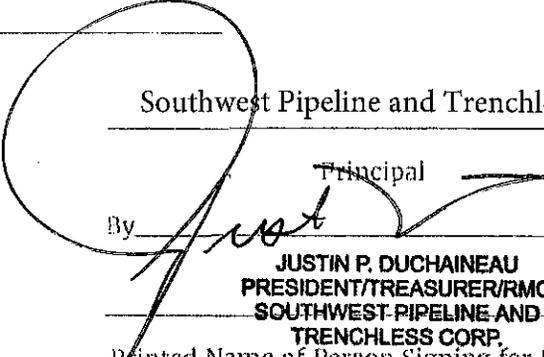
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

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

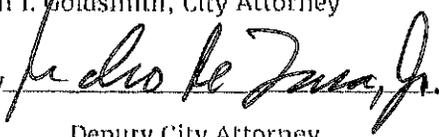
Dated September 6, 2016

Approved as to Form

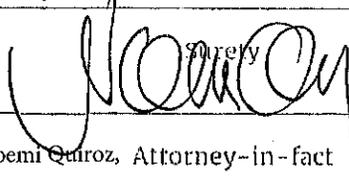
Southwest Pipeline and Trenchless Corp.

By  Principal
JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.
Printed Name of Person Signing for Principal

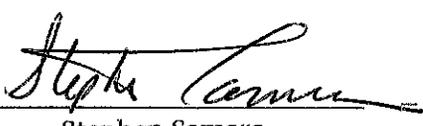
Jan I. Goldsmith, City Attorney

By 
Deputy City Attorney

Liberty Mutual Insurance Company

By  Surety
Noemi Quiroz, Attorney-in-fact

Approved:

By: 
Stephen Samara
Principal Contract Specialist
Public Works Department

790 The City Drive South Suite 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(714) 634-5720

Local Telephone No. of Surety

Premium \$31,945.00

Bond No. 024069457

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.

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations 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: 024069457

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 18th day of November, 2013.



American Fire and Casualty Company
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 18th day of November, 2013, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, 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 Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
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 American Fire and Casualty Company, 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, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, 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 6th day of September, 2016.



By: Gregory W. Davenport

Gregory W. Davenport, Assistant Secretary

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** Rehab approximately 7.15 miles and replace approximately 0.13 miles of existing VC sewer mains. Installation includes sewer laterals, manholes, cleanouts and rehabilitation of sewer laterals and manholes. In addition, installing curb ramps, street resurfacing, traffic control plans and all other work and appurtenances. The Work shall be performed in accordance with:
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids, Appendix E – Location Map and Appendix G – Scope of Work Tables & Site Maps.
2. **LOCATION OF WORK: The location of the Work is as follows:**

See Appendix E - Location Map.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **275 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PHASED FUNDING:

- 1.1.** For phased funded contracts, the City typically secures enough funds for the first 90 days of the contract prior to award. Within 10 Working Days after Bid opening date the Apparent Low Bidder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.
- 1.2.** The Apparent Low Bidder will be required to provide a Pre-award Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT" prior to award of Contract.
- 1.3.** If the Bid submitted by the Apparent Low Bidder is rejected by the City for any reason, the next Apparent Low Bidder is to provide the Pre-Award Schedule within 5 Working Days after receiving notice. This process will continue until the City selects an Awardee or rejects all Bids.
- 1.4.** The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Upon selection of the Awardee and acceptance by the City of the Pre-Award Schedule, the City will present the first Phased Funding Schedule Agreement to you.
- 1.5.** At the City's request, meet with the City's project manager before execution of the first Phased Funding Schedule Agreement to discuss their comments and requests for revision to the Pre-Award Schedule.
- 1.6.** Your failure to perform the any of the following may result in the Bid being rejected as non-responsive:
 1. Meet with the City's project manager, if requested to do so, to discuss and respond to the City's comments regarding the Pre-Award Schedule,
 2. Revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
 3. Execute the first Phased Funding Schedule Agreement within a day after receipt.

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

PROPOSAL NUMBER: K-17-1461-DBB-3

CONTRACT OR TASK TITLE: PIPELINE REHABILITATION AI-1

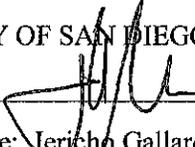
CONTRACTOR: SOUTHWEST PIPELINE AND TRENCHLESS CORP.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Rehab approximately 6 miles and replace approximately 0.13 miles of existing VC sewer mains. Installation includes sewer laterals, manholes, cleanouts and rehabilitation of sewer laterals and manholes. In addition, installing curb ramps, street resurfacing, traffic control plans and all other work and appurtenances. The Work shall be performed in accordance with: (Pages 113-193 of the Specifications)	Notice to Proceed	08/31/2017	\$3,256,682.50
2	Rehab approximately 1.15 miles of existing VC sewer mains. Installation includes sewer laterals, manholes, cleanouts and rehabilitation of sewer laterals and manholes. In addition, installing curb ramps, street resurfacing, traffic control plans and all other work and appurtenances. The Work shall be performed in accordance with: (Pages 113-193 of the Specifications)	09/01/2017	Notice of Completion	\$1,000,000.00
Total				\$4,256,682.50

Notes:

- (1) City Supplement 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 a written modification to the CONTRACT.

CITY OF SAN DIEGO

By: 

Name: Jericho Gallardo

Project Manager

Department Name: Public Works - Engineering

Date: 09/08/2016

CONTRACTOR

By: 

Name: Rob Bolger

Title: Secretary

Date: 9/8/16

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

ATTACHMENT C
EQUAL OPPORTUNITY CONTRACTING PROGRAM

EQUAL OPPORTUNITY CONTRACTING PROGRAM REQUIREMENTS

1. To The WHITEBOOK, Chapter 10, Sections D and E, DELETE each in its entirety, and SUBSTITUTE with the following:

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

1. The Contractor, Subcontractors and Suppliers shall comply with requirements of the City's Nondiscrimination in Contracting Ordinance, San Diego Municipal Code §§22.3501 through 22.3517.

The Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers. The Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. Disclosure of Discrimination Complaints. As part of its Bid or Proposal, 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 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.
3. Upon the City's request, the Contractor agrees to provide to the City, within 60 days, a truthful and complete list of the names of all Subcontractors and Suppliers that the Contractor has used in the past 5 years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by the Contractor for each subcontract or supply contract.
4. The Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance, Municipal Code §§22.3501 through 22.3517. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in remedies being ordered against the Contractor up to and including contract termination,

debarment and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

1. The Contractor, Subcontractors and Suppliers shall comply with the City's Equal Employment Opportunity Outreach Program, San Diego Municipal Code §§22.2701 through 22.2707.

The Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractor shall ensure their subcontractors comply with this program. Nothing in this section shall be interpreted to hold a prime contractor liable for any discriminatory practice of its subcontractors.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. If the Contract is competitively solicited, the selected Bidder shall submit a Work Force Report (Form BB05), within 10 Working Days after receipt by the Bidder of Contract forms to the City for approval as specified in the Notice of Intent to Award letter from the City.
3. If a Work Force Report is submitted, and the City determines there are under-representations when compared to County Labor Force Availability data, the selected Bidder shall submit an Equal Employment Opportunity Plan.
4. If the selected Bidder submits an Equal Employment Opportunity Plan, it shall include the following assurances:
 1. The Contractor shall maintain a working environment free of discrimination, harassment, intimidation and coercion at all sites and in all facilities at which the Contractor's employees are assigned to work.
 2. The Contractor reviews its EEO Policy, at least annually, with all on-site supervisors involved in employment decisions.
 3. The Contractor disseminates and reviews its EEO Policy with all employees at least once a year, posts the policy statement and EEO posters on all company bulletin boards and job sites, and documents every dissemination, review and posting with a written record to identify the time, place, employees present, subject matter, and disposition of meetings.

4. The Contractor reviews, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintains written documentation of these reviews.
5. The Contractor discusses its EEO Policy Statement with subcontractors with whom it anticipates doing business, includes the EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.
6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
8. The Contractor disseminates its EEO Policy to union and community organizations.
9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.

15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

ATTACHMENT D
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.

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. For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall 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 design professionals 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. As of March 1, 2015, no contractor or subcontractor may be listed on a bid or proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5. As of April 1, 2015, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, or enter into any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration to the City upon request.

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.

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

- 1) Standard Specifications for Public Works Construction (The GREENBOOK) currently in effect.
 - 2) The City of San Diego Standard Specifications for Public Works Construction (The WHITEBOOK).
-

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

1-2 TERMS AND DEFINITIONS.

Normal Working Hours. To the City Supplement, 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. DELETE in its entirety and SUBSTITUTE with the following:

1. You must perform, with your own organization, Contract work amounting to at least 30% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.

2-5.3.1 General. To the City Supplement, ADD the following:

7. For products for which an AML is available, products listed in the AML shall be used. A submittal review will be conducted for products not identified on an AML on a case-by-case basis when:
 - a) The product type or category is not in the AML.
 - b) The AML does not list at least two available manufacturers of the product.
 - c) The material or manufacturer listed in the AML is no longer available. Documentation to substantiate the product is no longer available or in production is required as part of the submittal.

In the case of conducting a submittal review when required by the Plans or Special Provisions, or when requested by the Engineer, all submittals shall be accompanied by the City's submittal form.

The Product Submittal Form is available for download at:

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

2-9.1 Permanent Survey Markers. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. Pursuant to Division 3, Chapter 15 of the Business and Professions Code, you shall not disturb survey monuments that "control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide horizontal or vertical survey control" until they have been tied out by a Registered Land Surveyor or Registered Civil Engineer authorized to practice land surveying within the State of California.
2. Monument Preservation shall be performed by the City's Construction Management and Field Services (CMFS) Division on all Projects, unless permission is obtained for these services in writing by CMFS.
3. You shall submit to the Engineer a minimum of 7 Days prior to the start of the Work a list of controlling survey monuments which may be disturbed. CMFS shall do the following:
 - a) Set survey points outside the affected Work area that reference and locate each controlling survey monument that may be disturbed.
 - b) File a Corner Record or Record of Survey with the County Surveyor after setting the survey points to be used for re-establishment of the disturbed controlling survey monuments.
 - c) File a Corner Record of Record of Survey with the County Surveyor after re-establishment of the disturbed controlling survey monuments.

2-14.3 Coordination. To the City Supplement, ADD the following:

1. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Skyline and Paradise Hills. See Appendix "F" for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Pipeline Rehabilitation – Phase G-2, Ramin Hatam (858-495-7845)
 - b) Pipeline Rehabilitation U-1, Eddie Wibowo (858-627-3263)
 - c) Pipeline Rehabilitation AJ-1, Elizabeth Dunn (619-533-7461)

- d) Remaining Small Diameter CI Water Ph. 2, Tina Huang (619-533-3863)

SECTION 4 - CONTROL OF MATERIALS

4-1.3.6 Preapproved Materials. To the City Supplement, 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. ADD the following:

14. 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>

4-1.10 Foreign Materials. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. Materials that are manufactured, produced, or fabricated outside of the United States shall be delivered to a distribution point in California, unless otherwise specified. Quality Control and related testing shall be performed to all applicable specified US standards. Manufacturer's testing and staff certification shall be traceable to a United States regulatory agency. Retain the materials for a sufficient period of time to permit inspection, sampling, and testing. You shall not be entitled to an extension of time for acts or events occurring outside of, at point of entry, or during transport to the United States.

SECTION 5 - UTILITIES

5-2 PROTECTION. ADD the following:

1. You shall repair or replace traffic signal and lighting system equipment within 72 hours after notification of defects by the Engineer.
2. While working in or around meter boxes, you shall protect in place all Advanced Metering Infrastructure (AMI) devices attached to the water meter or located in or near water meter boxes, coffins, or vaults. This includes any antenna installed through the meter box lid.
 - a) Avoid damaging the antenna, cable, and endpoints when removing the meter box lid and when disconnecting AMI endpoints from the register on top of the water meter.

- b) If meters or AMI devices need to be removed or relocated, the AMI endpoints shall be reinstalled with the Encoder/Receiver/Transmitter (ERT) pointing upwards.
- c) Because the AMI equipment is uniquely matched to each service location and to specific meter serial numbers, any AMI devices that are removed or disconnected shall be reinstalled on the same service lateral as well as to the same meter serial number it was attached to originally.
- d) Do not change or modify the lid if the lid has an antenna drilled through it.
- e) If you encounter damaged, disconnected, buried, or broken AMI endpoints, cables between the registers, antennae, lids, or ERTs, notify the Engineer within 24 hours.
- f) Any AMI equipment damaged by you shall be repaired or replaced by City Forces at your expense.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-7.1 General. To the City Supplement, ADD the following:

- 5. 30 Working days for full depth asphalt final mill and resurfacing work required per SDG-107.

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

7-3 LIABILITY INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

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 must 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 WORKERS' COMPENSATION INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

7-4.1 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.

7-4.1.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

7-8.6 Water Pollution Control. ADD the following:

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

7-10.5.3 Steel Plate Covers. Table 7-10.5.3 (A), REVISE the plate thickness for 5'-3" trench width to read 1¾".

7-15 **INDEMNIFICATION AND HOLD HARMLESS AGREEMENT.** To the City Supplement, Paragraph (4), Sentence (3), DELETE in its entirety and SUBSTITUTE with the following:

Your duty to indemnify and hold harmless does not include any claims or liability arising from the established active or sole negligence, or willful misconduct of the City, its officers, or employees.

7-16 **COMMUNITY LIAISON.** To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

ADD:

7-16 **COMMUNITY OUTREACH.**

7-16.1 **General.**

1. To ensure consistency with the City's community outreach plan for the project, the City shall work with you to inform the public (which includes, but shall not be limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Your efforts to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. You shall perform the community outreach activities required throughout the Contract Time. You shall assign a staff member who shall perform the required community outreach services.
3. You shall closely coordinate the Work with the businesses, institutions, residents, and property owners impacted by the Project.
4. Your example duties include notifying businesses, institutions, and residents of the commencement of construction activities not less than 5 Days in advance, coordinating access for vehicular and pedestrian traffic to businesses, institutions, and residences impacted by the Project, reporting activities at all Project progress meetings scheduled by the Engineer, attending the Project Pre-construction meeting, attending 2 community meetings, responding to community questions and complaints related to your activities, and documenting, in writing, as well as logging in all inquiries and complaints received into the City's internal public contact tracking system.
5. You shall execute the Information Security Policy (ISP) Acknowledgement Form - For Non-City Employees within 15 Days of the award of the Contract if any of the following apply:
 - a) Your contact information is made available on any outreach materials.
 - b) You will be the primary point of contact to resolve project related inquiries and complaints.

6. Electronic Communication.
 - a) All inquiries and complaints shall be logged in to the City's internal public contact tracking system within 24 hours of receipt of inquiries and complaints.
 - b) Any updates or a resolution of inquiries and complaints shall be documented in the City's internal public contact tracking system within 24 hours.
 - c) Copies of email communications shall be saved individually on to the City's internal public contact tracking system in an Outlook Message Format (*.msg).
 - d) All graphics, photos, and other electronic files associated with inquiries and/or complaints shall be saved into the individual records, located within the City's internal public contact tracking system.

7-16.1.1 Quality Assurance.

1. During the course of community outreach, you shall ensure that the character of all persons that conduct community outreach (distributing door hangers, attending community meetings, interacting with the public, and etc.) on your behalf shall:
 - a. Have the ability to speak and comprehend English and/or Spanish, as appropriate for the community or public they are informing.
 - b. Possess and display easily verifiable and readable personal identification that identifies the person as your employee.
 - c. Have the interpersonal skills to effectively, professionally, and tactfully represent you, the project, and the City to the public.

7-16.1.2 Submittals.

1. You shall submit to the Resident Engineer, for review and approval, all drafts of letters, notices, postcards, door hangers, signs, mailing lists, proposed addresses for hand-delivery, and any other notices and letters that are to be mailed and or distributed to the public.
 - a. Prior to distributing or mailing, you shall submit final drafts of letters, notices, postcards, door hangers, signs, and any other notices and letters to the Resident Engineer for final review and approval. Submit a PDF copy of the approved door hangers to the Engineer.
 - b. After distributing or mailing, you shall submit verification of delivery and any copies of returned notices to the Resident Engineer. Submit a PDF copy of the approved letters and notices to the Engineer.
2. You shall use the City's internal public contact tracking system to identify and summarize communications (via phone, in person, and email) with the public within 24 hours of receipt, even if your response to the individual is

still incomplete. You shall upload to the City's internal public contact tracking system copies of all written, electronic, and verbal communications and conversations with the public.

7-16.2 Community Outreach Services.

7-16.2.1 Public Notice by Contractor.

1. Post Project Identification Signs in accordance with 7-10.6.2, "Project Identification Sign".
2. Notify businesses, institutions, property owners, residents or any other impacted stakeholders, within a minimum 300 feet (90 m) radius of the Project, of construction activities and utility service interruptions not less than 5 Days in advance.
3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a. Where Work is to be performed at least 5 Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b. Within 5 Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
 - c. No less than 48 hours in advance and no more than 72 hours in advance of the scheduled resurfacing.
4. Leave the door hanger notices on or at the front door of each dwelling and apartment unit and at each tenant of commercial buildings abutting each of the street block segments. Where the front doors of apartment units are inaccessible, distribute the door hanger notices to the apartment manager or security officer.
5. Door Hanger Material: You shall use Blanks/USA brand, Item Number DHJ5B6WH, 1¼ inch (31.8 mm) Holes (removed), 2-up Jumbo Door Hanger in Bristol White, or approved equal.
6. Mailed Notice Material: You shall use Cougar by Domtar, Item Number 2834, or approved equal.
7. For all Work on private property, contact each owner and occupant individually a minimum of 15 Days prior to the Work. If the Work has been delayed, re-notify owners and occupants of the new Work schedule, as directed by the Resident Engineer.
8. A sample of public notices is included in the Contract Appendix.

7-16.2.2 Communications with the Public.

1. Coordinate access for vehicular and pedestrian traffic to businesses, institutions, and residences impacted by the Project.
2. You shall provide updates on construction impacts to the Resident Engineer. You shall notify the Resident Engineer in advance about time-sensitive construction impacts and may be required to distribute construction impact notices to the public on short notice.
3. You shall incorporate community outreach activities related to construction impacts in the baseline schedule and update the Resident Engineer with each week's submittal of the Three-Week Look Ahead Schedule.
4. At the request of the Resident Engineer, you shall attend and participate in project briefings at community meetings.
5. You shall coordinate with the Resident Engineer on all responses and actions taken to address public inquiries and complaints within the 24 hours that they are received.

7-16.2.3 Communications with Media.

1. The City may allow members of the media access to its construction site(s) on a case-by-case basis only.
2. Occasionally, uninvited members of the media may show up at construction Sites. Members of the media (including, but not limited to newspapers, magazines, radios, television, bloggers, and videographers) do not have the legal right to be in the construction Site without the City's permission.
3. In the event that media representatives arrive near or on the construction Site(s), you shall keep them off the Site(s) in a courteous and professional manner until a Public Information Officer is available to meet them at an approved location.
4. You shall report all visits from members of the media to the Resident Engineer as quickly as possible so that the City's Public Information Officer can meet with the members of the media at the construction Site(s).
5. If the City allows members of the media to access a construction Site, you shall allow the City to escort the media representatives while they are on the construction Site and shall ensure their safety.
6. You shall require media representatives to sign in and out of the Site Visitor Log and to use personal protective equipment.
7. You have a right to speak to members of the media about your company and its role on the project. All other questions shall be referred to the City.

7-16.4 Payment.

1. The payment for the community outreach services shall be included in the Contract Price.

7-20 ELECTRONIC COMMUNICATION. ADD the following:

1. Virtual Project Manager will be used on this contract.

SECTION 9 - MEASUREMENT AND PAYMENT

9-3.2.5 Withholding of Payment. To the City Supplement, item 1, subsection i), DELETE in its entirety and SUBSTITUTE with the following:

- i) Your failure to comply with 7-2.3, "PAYROLL RECORDS" and 2-16, "CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM".

ADD:

9-3.7 Compensation Adjustments for Price Index Fluctuations. To the City Supplement, subsection c), item 2, DELETE in its entirety and SUBSTITUTE with the following:

- 2) In the event of an overrun of Contract time, adjustment in compensation for asphalt binder included in estimates during the overrun period shall be determined using the California Statewide Crude Oil Price Index in effect on the first business day of the month within the pay period in which the overrun began.

ADD the following:

- e) This Contract is not subject to the provisions of The WHITEBOOK for Compensation Adjustments for Price Index Fluctuations for the paving asphalt.

SECTION 203 - BITUMINOUS MATERIALS

203-15 RUBBER POLYMER MODIFIED SLURRY (RPMS). To the City Supplement, CORRECT section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
203-15	RUBBER POLYMER MODIFIED SLURRY (RPMS)	203-16
203-15.1	General	203-16.1
203-15.2	Materials	203-16.2
203-15.3	Composition and Grading	203-16.3
203-15.4	Mix Design	203-16.4

ADD the following:
RPMS shall be used on this contract.

SECTION 207 – PIPE

207-9.2.3 Fittings. To the City Supplement, ADD the following:

8. Flange gaskets shall be 3.2 mm (1/8 inch) thick acrylic or aramid fibers bound with nitrile for all sizes of pipe. Gaskets shall be full-face type with pre-punched holes free of asbestos material. All insulating flange kits shall require full face gaskets.

207-9.2.4 Lining and Coating. To the City Supplement, Item 4, DELETE in its entirety and SUBSTITUTE with the following:

4. The fitting shall be lined with cement mortar and tar (seal) in accordance with AWWA C104/A21.4. The interior of bells shall be lined. You shall provide double thickness lining and shall use cement conforming to ASTM C150 Type II. Coating on Interior bells shall be holiday free.

207-9.2.6 Polyethylene Encasement for External Corrosion Protection. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. When soils have been determined to be mildly corrosive through resistivity testing as specified in the City of San Diego Sewer and Water Design Guides, the outside surfaces of ductile iron pipe and fittings for general use shall be coated with bituminous coating 1 mil (25 um) thick in accordance with AWWA C151 or AWWA C110. Polyethylene encasement shall be provided in accordance with AWWA C105.

207-17.2.3 Pipe Manufacturer. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. PVC products, C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.

207-26.4 Butterfly Valves. To the City Supplement, Paragraph (2), DELETE the last sentence.

To the City Supplement, Paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

3. The operator shall be manual with a 2 inch (50 mm) square operating nut and shall open the valve when turned counterclockwise.

SECTION 209 – STREET LIGHTING AND TRAFFIC SIGNAL MATERIALS

209-6.4 Induction Cobra Head Luminaire. To the City Supplement, CORRECT section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
209-6.4.7	Luminaire Identification	209-6.4.8
209-6.4.8	Photometric Documentation	209-6.4.9
209-6.4.9	Quality Assurance	209-6.4.10

SECTION 212 - LANDSCAPE AND IRRIGATION MATERIALS

212-3.2.2.3 Trench Marker Tape. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. Trench marker tape shall be installed in accordance with Standard Drawing SDM-105, "Warning/Identification Tape Installation".

SECTION 300 – EARTHWORK

300-1.4 Payment. To the City Supplement, item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. Payment for existing pavement removal and disposal of up to 12 inches thick, within the excavation e.g., trench limits, shall be included in the Bid item for the installation of the mains or the Work item that requires pavement removal.

SECTION 302 – ROADWAY SURFACING

302-3 PREPARATORY REPAIR WORK. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

302-3 PREPARATORY REPAIR WORK.

1. Prior to the placement of asphalt concrete or the application of slurry, you shall complete all necessary preparation and repair Work to the road segment.
2. Unless otherwise specified, preparatory Work shall include tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, mill and pave, hump

removal, miscellaneous asphalt patching, removal of raised pavement markers, and removal of pavement markings.

3. You shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2 inches (50.8 mm) for residential streets and a minimum depth of 3 inches (76.2 mm) for all others to expose firm and unyielding pavement.
4. You shall prepare subgrade as needed and install a minimum of 2 inches (50.8 mm) for residential streets and a minimum of 3 inches (76.2 mm) for all other streets of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
5. If the base material is exposed in order to achieve the minimum specified depth, the material shall be compacted to 95% relative compaction (dig out). Compaction tests shall be made to ensure compliance with the specifications.
6. The Engineer shall determine when and where the test shall occur. The City will pay for the soils testing required by the Engineer which meets the required compaction. You shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, you shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base".
7. Recycled base material shall conform to crushed miscellaneous base material in accordance with 200-2.4, "Crushed Miscellaneous Base".
8. Prior to replacing asphalt, the area shall be cleaned by removing all loose and damaged material, moisture, dirt, and other foreign matter and shall be tack coated in accordance with 302-5.4, "Tack Coat".
9. You shall install new asphalt within the repair area or for patches in accordance with 302-5, "Asphalt Concrete Pavement". Asphalt concrete shall be C2-PG 64-10 in compliance with 400-4, "Asphalt Concrete".
10. No preparatory asphalt Work shall be done when the atmospheric temperature is below 50° F (10° C) or during unsuitable weather.
11. Following the asphalt placement, you shall roll the entire area of new asphalt in both directions at least twice. The finished patch shall be level and smooth in compliance with 302-5.6.2, "Density and Smoothness". After placement and compaction of the asphalt patch, you shall seal all finished edges with a 4 inch (101.6 mm) wide continuous band of SS-1H.
12. The minimum dimensions for each individual repair shall be 4 feet by 4 feet (1.2 m by 1.2 m) and shall be subject to the following conditions:

- a) If the base material is exposed to achieve the required minimum removal thickness, the base material shall be prepared conforming to 301-1, "SUBGRADE PREPARATION".
- b) When additional base material is required, then you shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base". Recycled base material shall conform to crushed miscellaneous aggregate base material in accordance with 200-2.4, "Crushed Miscellaneous Base".
- c) You may use grinding as a method for removal of deteriorated pavement when the areas indicated for removal are large enough (a minimum of the machine drum width) and when approved by the Engineer.
- d) For both scheduled and unscheduled base repairs, failed areas may be removed by milling or by excavation provided that the edges are cut cleanly with a saw. The areas shall be cleaned and tack coated in accordance with 302-5.4, "Tack Coat" before replacing the asphalt. The areas for scheduled repairs have been marked on the street.
- e) Base Repairs with RAC. Areas where failed paving is removed either by cold milling or by excavation shall be restored to existing pavement grade with $\frac{3}{4}$ inch (19.1 mm) RAC at 8 inch (203.2 mm) depth unless otherwise directed by the Engineer. These areas have been marked on the street as "DO". The asphalt concrete shall be B3-PG 64-10 as specified in 400-4, "Asphalt Concrete". Preliminary quantities are identified in the Contract Appendix but may need to be increased and approved by the Engineer at the time of construction. Base repairs shall not exceed 15% RAP in content.
- f) Unscheduled Base Repair with RAC. If paving operations cause damage outside of your control and require additional base repair, the areas shall be removed either by cold milling or by excavation and shall be restored to existing pavement grade with $\frac{3}{4}$ inch (19.1 mm) RAC at 8 inch (203.2 mm) depth unless otherwise directed by the Engineer. The asphalt concrete shall be B3-PG 64-10 as specified in 400-4, "Asphalt Concrete". Unscheduled base repairs shall not exceed 15% RAP.
- g) A base repair is considered unscheduled when it is not identified on the pavement with a "DO" or when you are directed by the Engineer to perform a base repair for the proper placement of an asphalt overlay.

1. Asphalt patching shall consist of patching potholes, gutter-line erosions, and other low spots in the pavement that are deeper than ½ inch (12.7 mm) in accordance with 302-5.6.2, "Density and Smoothness".
2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. You shall identify any new areas that may require patching prior to slurry Work to ensure the smoothness and quality of the finished product.
3. You shall identify and repair any areas that may require patching prior to the placement of slurry seal for a smooth and finished product.
4. Asphalt overlay shall not be applied over deteriorating pavement. Preparatory asphalt Work shall be completed and approved by the Engineer before proceeding with asphalt overlay.
5. You shall remove distressed asphalt pavement either by saw cutting or milling to expose firm and unyielding pavement, prepare subgrade (as needed), and install compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
6. Prior to replacing asphalt, the area shall be cleaned and tack coated in accordance with 302-5.4, "Tack Coat".
7. Following the asphalt placement, you shall roll the entire patch in both directions and shall cover the patch at least twice.
8. After placement and compaction of the asphalt patch, you shall seal all finished edges with a 4 inch (101.6 mm) wide continuous band of SS-1H.
9. Base repairs shall not exceed 15% RAP in content.

302-3.2 Payment.

1. The payment for the replacement of existing pavement when required shall be included in the Contract Unit Price for "Asphalt Pavement Repair" for the total area replaced and no additional payment shall be made regardless of the number and size of replacements completed. No payment shall be made for areas of over-excavation or outside trench areas in utility Works unless previously approved by the Engineer. No payment for pavement replacement will be made when the damage is due to your failure to protect existing improvements. You shall reimburse the City for the cost of retesting all failing compaction tests.
2. The areas and quantities shown on the road segments and in the appendices are given only for your aid in planning the Work and preparing Bids. The Engineer will designate the limits to be removed and these designated areas shall be considered to take precedence over the area

shown in an Appendix to the Contract Documents. The quantities shown in the appendices are based on a street assessment survey and may vary.

3. At the end of each day, you shall submit to the Engineer an itemized list of the asphalt pavement repair Work completed. The list shall include the location of the Work and the exact square footage of the repair.
4. The payment for preparatory repair Work and tack coating shall be paid at the Contract Unit Price for "Asphalt Pavement Repair".
5. The payment for milling shall be included in the Bid item for "Asphalt Pavement Repair" unless Bid items for asphalt milling Work has been provided.
6. The payment for miscellaneous asphalt patching shall be included in the Contract Unit Price for the slurry Work and no additional payment shall be made, unless a Bid item for "Miscellaneous Asphalt Patching" has been provided.

302-5.1.1 Damaged AC Pavement Replacement. To the City Supplement, DELETE in its entirety.

302-5.1.2 Measurement and Payment. To the City Supplement, DELETE in its entirety.

302-5.2.1 Measurement and Payment. To the City Supplement, item c), ADD the following:
Imported Subgrade material shall be paid per bid item "Imported Backfill".

SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

306-1 OPEN TRENCH OPERATIONS. To the City Supplement, CORRECT section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
306-1.8	House Connection Sewer (Laterals) and Cleanouts	306-1.9
306-1.7.1	Payment	306-1.9.1
306-1.7.2	Sewer Lateral with Private Replumbing	306-1.9.2
306-1.7.2.1	Location	306-1.9.2.1
306-1.7.2.2	Permits	306-1.9.2.2
306-1.7.2.3	Submittals	306-1.9.2.3

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
306-1.7.2.4	Trenchless Construction	306-1.9.2.4
306-1.7.2.5	Payment	306-1.9.2.5
306-1.7.3.6	Private Pump Installation	306-1.9.2.6
306-1.7.3.7	Payment	306-1.9.2.7

SECTION 500 – PIPELINE

500-1.1.1 General. To the City Supplement, item 1, subsection a), ADD the following:

The felt and resin system shall be selected from those listed in the City's approved material list.

500-1.1.2.1 Initial Submittals. To the City Supplement, ADD the following:

Within 5 Working Days of the Bid opening date, the three apparent low bidders shall submit the following:

- Contractor's Experience; past project documentation
- Manufacturer Certification
- Authorize Installer Certificates

500-1.1.5 Video Inspection. To the City Supplement, ADD the following:

During the post-cleaning video you shall identify all existing protruding laterals within the existing main and trim them flush to the main prior to rehabilitation. The cost of trimming the existing laterals shall be included in the pipe rehabilitation bid item.

500-1.1.9 Measurement and Payment. To the City Supplement, item 3, DELETE in its entirety.

500-1.2.4 Sewer Bypassing and Dewatering. DELETE in its entirety and SUBSTITUTE with the following:

When required by the Contract Documents, you shall bypass the sewer flow around the Work and dewater the Site in conformance with 704, "SEWAGE SPILL PREVENTION" and 705-2.1, "General."

500-1.6 Service Laterals. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

ADD:

500-1.6 Service Lateral Rehabilitation.

500-1.6.1 General.

- a) The rehabilitation shall be accomplished using a fabric or fiberglass tube of particular length and a thermoset resin with physical and chemical properties appropriate for the application without excavation and disturbing surface improvements. The tube is vacuum impregnated with the resin. Access to an upstream end of the service lateral is made by excavation in the public right of way. Installation of the resin-impregnated tube into the service lateral may be performed either by Type A inversion in accordance with ASTM F1216 or by Type B pull-in in accordance with ASTM F 1743 and may be performed from either the mainline or the excavated end of the lateral.
- b) The cured-in-place liner shall extend the entire length of the lateral from the access point to the mainline. Once the tube or resin composite is cured, the installation equipment shall be removed and the protruding end in the collector shall be cut using a robotic cutting device. A sewer cleanout in accordance with the Standard Drawing SDS-102, "Sewer Lateral Cleanout (In Driveway, Paved Alley, Sidewalk, or Other Area Subject to Traffic)" or SDS-103, "Sewer Lateral Cleanout Outside Traveled Way" shall be installed at the access point and properly backfilled.
- c) A lateral rehabilitation including the installation of lateral cleanout and backfill process shall be completed within 15 Working Days.
- d) The liner shall be extended sufficiently to create a water tight seal at the main and the liner interface.
- e) If there is a SLC in place, then the cured-in-place lateral liner shall have a minimum overlap of 2 inches over the previously installed SLC sewer main.
- f) Existing ABS and PVC sewer laterals shall not be rehabilitated. These laterals shall be replaced or shall have point repairs performed on them as directed by the Engineer.

500-1.6.2 Material.

- a) The tube shall consist of one or more layers of flexible needled felt, or an equivalent material. Where the tube is fabricated from non woven felt, the longitudinal and circumferential joints are made up by seal bonding. The tube shall be capable of conforming to bends, off-set joints, bells, and disfigured pipe sections. The resin and catalyst system as designed for the specific application shall meet the chemical resistance requirements of 210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)."
- b) The composite of the materials above shall, upon installation inside the host pipe, shall exceed the minimum test standards specified in Table 500-1.4.2 (A).

- c) The thickness of the lateral lining shall be not less than 0.12 inches (3 mm) and not more than 0.18 inches (4.5 mm) for laterals up to and including 8 inches in diameter. The thickness of the lateral lining shall be in accordance with Table 500-1.1.1.1 (A) for laterals larger than 8" in diameter.

500-1.6.3 Installation Procedures (ASTM F1216 and ASTM F1743).

1. The property owner of the lateral being reconstructed shall be informed and the flow stopped for the period of reconstruction Work.
2. You shall excavate an access pit at the property line cleanout or at an approved upstream point on the service lateral in accordance with the reconstruction length determined by the Engineer.
3. You shall clean, video, and determine the structural condition of the lateral line prior to installation. Roots, debris, and protruding service connections shall be removed prior to installation.
4. The tube shall be inspected for torn or frayed sections. The tube in good condition shall then be vacuum impregnated with the thermoset resin.
5. No open pans or uncontrolled open-air pouring of resin shall be allowed during tube saturation. Resin shall be contained within the inflation bladder during vacuum impregnation and insertion. You shall ensure that no property is exposed to contamination by liquid resin compounds or components.
6. The saturated tube along with the inflation bladder shall be inserted into the installation equipment and the end closed. The entire installation equipment shall be placed in the pipe access pit and aligned with the exposed end of the pipe.
7. The resin and tube shall be completely protected during the placement. The resin shall not be contaminated or diluted by exposure to dirt, debris, or water during the placement.
8. The tube shall be installed from the installation equipment by controlled air, water, or steam pressure in accordance with manufacturer instructions. The tube shall extend the entire reconstruction length and shall be held tightly in place against the wall of the host pipe until the cure is complete.
9. When the curing process is complete, the pressure is released and the inflation bladder reverted back into the installation equipment and removed from the access point.
10. No barriers, coatings, or any material other than the cured tube or resin composite specifically designed for desirable physical and chemical resistance properties shall be left in the host pipe. Any materials used in the installation other than the cured tube or resin composite shall be removed.

11. Any cured tube or resin composite pipe left protruding from the service connection shall be trimmed back using a hydraulic-powered robotic cutting device specifically designed for cutting cured-in-place pipe made from these materials.
12. A second video inspection shall be performed to verify the proper cure of the material, the proper trim of service connection, and the integrity of the seamless pipe.
13. The bypass pumping system shall be removed and the sewer flows restored to normal flow conditions. The service lateral pipes shall be coupled together. The excavation shall be properly backfilled. The property owner of the service connection shall be informed when the Work is complete.

500-1.6.4 **Deviations.** If pre-installation inspection reveals conditions in the service lateral to be substantially different than those used in the design of wall thickness, tube construction, tube length, or resin system; then you shall correct the situation as approved by the Engineer.

500-1.6.5 **Acceptance.** Upon completion, you shall deliver the video records and written reports to the Engineer. The Engineer shall review the documentation and the Site to determine if the Work is complete and if the Work may be accepted.

500-1.6.6 **Payment.**

1. The payment for the Service Lateral Rehabilitation covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each lateral and shall include all necessary labor, material and equipment to clean, repair, and line the Sewer Lateral.
2. The payment for the installation of a sewer cleanout at the access point 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

3. The payment for point repairs shall be paid for in accordance with 500-1.2.7, "Payment".
4. The payment for cleaning and video inspection for rehabilitated laterals shall be in accordance with 306-9.7, "Payment".

500-1.7.10 **Payment.** To the City Supplement, DELETE in its entirety.

500-1.10.7 **Payment.** To the City Supplement, DELETE in its entirety.

500-1.13.10 Payment. To the City Supplement, DELETE in its entirety.

500-4 SERVICE LATERAL CONNECTION SEALING. DELETE in its entirety and SUBSTITUTE with the following:

500-4 SERVICE LATERAL CONNECTION (SLC) SEALING.

500-4.1 General.

1. SLC is the interface of the house sewer lateral with the main sewer. SLC to rehabilitated sanitary sewer lines shall be sealed, normally without excavation, by the installation of a resin-impregnated, flexible, felt tube or fiberglass tube installed into the existing service lateral. The tube shall form a "tee" section with a full lap inside the main pipe and shall extend continuously from the sewer main into the lateral for a minimum of 4 inches. SLC may be a combination of "tees" or "wyes" of varying angle. The resin shall be cured to form the tube into a hard impermeable pipe-within-a-pipe. When cured, the SLC shall seal the connection of the lateral to the mainline in a continuous tight-fitting, watertight pipe-within-a-pipe to eliminate any visible leakage between the lateral and mainline and shall provide a leak-proof seal designed for a minimum 50-year life to prevent root intrusion, infiltration, and exfiltration between a liner and a host pipe.
2. Prior to cleaning, you shall submit a detailed operational plan for the proposed cleaning of all roots inside the pipe and around the service connection for the Engineer's approval. After cleaning, you shall proceed with lining of the pipe and reinstating all live service connections. The service connection openings shall conform to the shape and the size of the inside diameter of the existing service connection. You shall use a wire brush or other methods and equipment as recommended by other lining system providers or other approved means and methods to provide a smooth opening for connecting the lateral to the newly lined pipeline.
3. You shall trim all protruding laterals which interfere with the lining installation as flush with the pipe interior as practicable.

500-4.2 Reference Specification. This specification references ASTM test methods which are made a part hereof by such reference and shall be the latest edition and revision thereof and shall meet the chemical resistance requirements of section 210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)."

500-4.3 General Corrosion Requirements.

- a) The finished SLC product shall be fabricated from materials which when cured shall be chemically resistant to withstand internal exposure to domestic sewage and shall meet the chemical resistance requirements of

210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)" and Table 210-2.4.1 (A).

- b) The SLC product shall be compatible with the lining system materials utilized in the main sewer line.

500-4.4 SLC Materials.

- a) A flexible, felt tube shall be fabricated to neatly fit the internal circumference of the conduit specified by the City. Allowance shall be made for circumferential stretching during insertion.
- b) The SLC sealing shall extend a minimum of 4 inches from the mainline into the lateral.
- c) You shall furnish a specially designed, unsaturated polyester or vinyl ester resin and catalyst system compatible with the SLC sealing process that provides cured physical strengths specified herein.

500-4.5 Physical Properties.

- a) The cured SLC sealing shall conform to the minimum structural standards as listed in Table 500-1.4.2 (A).
- b) No cured-in-place pipe rehabilitation technology shall be allowed that requires bonding to the existing pipe for any part of its structural strength.
- c) Design methods are to be derived for various loading parameters and modes of failure. Equations shall be modified to include deformation in the shape of an oval as a design parameter. The design method shall be submitted to the Engineer for approval prior to the Pre-construction Meeting.

500-4.6 Installation Preparation.

1. You shall remove internal debris out of the sewer line.
2. Inspection of pipelines shall be performed by experienced personnel trained in locating breaks and obstacles by closed circuit television. The interior of the pipeline shall be carefully inspected to determine the location of any conditions which may prevent proper installation of the SLC sealing into the pipelines and it shall be noted so that these conditions can be corrected. A color video and suitable log shall be kept for later reference by the City.
3. When required, provide for the flow of sewage around the section or sections of mainline pipe where the service lateral designated for SLC sealing is located. The bypass shall be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or

adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow without service interruption. The bypass systems shall be approved in advance by the City.

4. The service lateral shall be inactive during the time of installation.
5. You shall clear the line of obstructions that prevent the insertion of the SLC sealing material. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, you shall make an external point repair excavation to uncover and remove the obstruction. You shall inform the Engineer prior to the commencement of the Work.
6. The mainline pipe opening shall be prepared to accept the SLC sealing and the mainline rehabilitated pipe shall be maximized to obtain the best possible connection.
7. The transition from the mainline pipe to the service lateral shall be smooth and continuous to provide adequate support for the SLC sealing during installation and cure.

500-4.7 SLC Sealing Installation.

1. The resin impregnated tube shall be loaded inside a pressure apparatus. The pressure apparatus, attached to a robotic device, shall be positioned in the mainline pipe at the service connection. The robotic device, together with a television camera, shall be used to align the SLC repair with the service connection opening. Air pressure, supplied to the pressure apparatus through an air hose, shall be used to invert the resin impregnated SLC sealing into the lateral pipe. The inversion pressure shall be adjusted to fully invert the SLC sealing into the lateral pipe and hold the tube tight to the pipe wall. Care shall be taken during the curing process not to over-stress the tube.
2. The pressure apparatus shall include a bladder which shall inflate in the mainline pipe, effectively seating the SLC repair against the service connection.
3. After inversion or pull-in is completed, the recommended pressure shall be maintained on the impregnated tube for the duration of the curing process. Curing method shall be compatible with the resin selected. An ultraviolet (UV) light cured, heat cured, or ambient cured resin system is typically used.
4. The initial cure shall be deemed to be completed when the SLC sealing has been exposed to the UV light or heat source or held in place for the time period specified by the manufacturer.
5. You shall cool the hardened SLC sealing before relieving the pressure in the pressure apparatus. Cool-down may be accomplished by the introduction of cool air into the pressure apparatus. Care shall be taken to maintain proper pressure throughout the cure and cool-down period.

6. The finished SLC shall be free of dry spots, lifts, and delamination. The lateral SLC shall not inhibit the final video of the mainline or service lateral pipes. Frayed ends of the SLC repair shall be removed prior to acceptance.
7. During the warranty period, any defects which shall affect the integrity of strength of the SLC shall be repaired at your expense in a manner mutually agreed upon by the manufacturer, City, and you.
8. After the Work is completed, you shall provide the City with a video recording showing the completed Work including the restored conditions.

500-4.8 **Clean-Up.** Upon acceptance of the installation Work, you shall reinstate the Site affected by its operations.

500-4.9 **Payment.** The payment for Service Lateral Connection Work shall be made at the Contract Unit Price or lump sum price in the Bid for each Service Lateral Connection. The Contract Unit Price or lump sum price in the Bid shall include the furnishing and the installation of the Service Lateral Connection sealing system, surface preparation and repairs, preparation and tape submittal of all post cleaning videos and final videos, bypassing if required, and testing, unless otherwise specified in the Special Provisions.

705-2.6.1 **General.** To the City Supplement, item 3, CORRECT reference to Section 803 to read "Section 703".

705-2.6.3 **Community Health and Safety Plan.** To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

705-2.6.3 **Community Health and Safety Plan.** See 703-2, "Community Health and Safety Plan."

SECTION 707 – RESOURCE DISCOVERIES

ADD:

707-1.1 **Environmental Document.** The City of San Diego Public Works Department has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AI-1, WBS No. B15187**, as referenced in the Contract Appendix. You must comply with all requirements of the Notice of Exemption as set forth in the Contract Appendix A.

Compliance with the City's environmental document shall be included in the Contract Price, unless bid items has been provided.

END OF SUPPLEMENTARY SPECIAL PROVISIONS

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 92101-2422

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/WBS No.: B-15187.02.06

PROJECT TITLE: Pipeline Rehabilitation AI-1

PROJECT LOCATION-SPECIFIC: The project is located city-wide within the Skyline-Paradise Hills, La Jolla, Mission Bay Park, Pacific Beach, Peninsula, Clairemont Mesa, Mira Mesa, Serra Mesa, Mission Valley, Mid-City: City Heights, Southeastern San Diego, Scripps Miramar Ranch, Encanto Neighborhoods Southeastern, Navajo, and College Area Community Plan areas (Council Districts 1, 2, 4, 5, 6, 7, 9). All work would occur within the developed public right of way and various existing utility easements, and would affect portions of the following streets: Potomac St, Flintridge Dr, Rachel Av, Sea Breeze Dr, Roberts Dr, Calle Serena, Valner Wy, Valner Ct, Rancho Dr, Reo Dr, Rancho Dr, Morningside St, Albemarle St, Cumberland St, Westwood St, Edgewater St, Winchester St, Calle Gaviota, Roanoke St, Rancho Hills Dr, Seascape Dr, Homedale St, Calle Tres Lomas, Calle Aguadulce, Calle Tocon, Rhoades Rd, Clyde Av, Goetze St, Calle Quebrada, Munda Rd, Oriskany Rd, Ridgewood Dr, Roseland Pl, Roseland Dr, Valeta St, Zola St, Moraga Av, Morena Blvd, Diane Av, Marlesta Dr, Rollsreach Dr, New Salem St, Kearny Villa Ln, Chauncey Dr, Marathon Dr, Birch St, Grayfox Dr, Logan Av, Bounty St, Spear St, Adobe Falls Rd, Mallard St, Carleton St, and Castellan Rd.

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project would include the rehabilitation of 37,740 linear feet (7.15 miles) of existing sewer mains using trenchless technology as part of the City's overall sewer improvement program implemented to provide a safe and reliable sewer system reducing maintenance needs and improving service and reliability for the public. Additional work would include point repairs, installation of new cleanouts and manholes, rehabilitation and replacement of existing manholes, street resurfacing including overlay and slurry seal, and installation of new curb ramps.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works Contact: Jericho Gallardo; 525 B Street, Suite 750, San Diego, CA 92101; Phone: (619) 533-7523

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(b) [Existing Facilities], 15302(c) [Replacement or Reconstruction], 15303(d) [New Construction or Conversion of Small Structures], and 15304(f) [Minor Alterations to Land]
() STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Sections 15301(b) allowing operation, repair, maintenance or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features involving negligible or no expansion of use, including publicly owned facilities used to provide sewerage; Section 15302(c) allowing 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 and/or facilities involving negligible or no expansion of capacity; 15303(d) allowing for construction of new, small facilities or structures, including sewerage; 15304(f) allowing for minor alteration to the condition of land which do not involve removal of healthy, mature, scenic trees, including minor trenching and backfilling where the surface is restored; and where the exceptions listed in Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: JAMES ARNHART, SENIOR PLANNER

TELEPHONE: (619) 533-5275

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

CARRIE PURCELL, PRINCIPAL PLANNER

DATE

CHECK ONE:

- (X) SIGNED BY LEAD AGENCY
() SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

Revised January 11, 2016 JA

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 10 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.

3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.

4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.

4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:

a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.

b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:

1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

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

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

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

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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7. FEE AND DEPOSIT SCHEDULES

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

**Larry Gardner
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 (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FACH
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:	
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			

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

Materials Typically Accepted by Certificate of Compliance

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

SAMPLE CITY INVOICE

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123		Contractor's Name:	
Project Name:		Contractor's Address:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	Invoice No.
Resident Engineer (RE):		Contractor's fax #:	Invoice Date:
RE Phone#:	Fax#:	Contact Name:	Billing Period: (to

Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1					\$ -		\$ -		\$ -	0.00%	\$ -
2					\$ -		\$ -		\$ -	0.00%	\$ -
3					\$ -		\$ -		\$ -	0.00%	\$ -
4					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
9					\$ -		\$ -		\$ -	0.00%	\$ -
10					\$ -		\$ -		\$ -	0.00%	\$ -
11					\$ -		\$ -		\$ -	0.00%	\$ -
12					\$ -		\$ -		\$ -	0.00%	\$ -
13					\$ -		\$ -		\$ -	0.00%	\$ -
14					\$ -		\$ -		\$ -	0.00%	\$ -
15					\$ -		\$ -		\$ -	0.00%	\$ -
16					\$ -		\$ -		\$ -	0.00%	\$ -
17	Field Orders				\$ -		\$ -		\$ -	0.00%	\$ -
18					\$ -		\$ -		\$ -	0.00%	\$ -
	CHANGE ORDER No.				\$ -		\$ -		\$ -	0.00%	\$ -
					\$ -		\$ -		\$ -	0.00%	\$ -
Total Authorized Amount (including approved Change Order)					\$ -		\$ -		\$ -	Total Billed	\$ -

SUMMARY

A. Original Contract Amount	\$ -
B. Approved Change Order #00 Thru #00	\$ -
C. Total Authorized Amount (A+B)	\$ -
D. Total Billed to Date	\$ -
E. Less Total Retention (5% of D)	\$ -
F. Less Total Previous Payments	\$ -
G. Payment Due Less Retention	\$0.00
H. Remaining Authorized Amount	\$0.00

**I certify that the materials
have been received by me in
the quality and quantity specified**

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

Total Retention Required as of this billing (Item E)	\$0.00
Previous Retention Withheld in PO or in Escrow	\$0.00
Add'l Amt to Withhold in PO/Transfer in Escrow:	\$0.00
Amt to Release to Contractor from PO/Escrow:	

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP

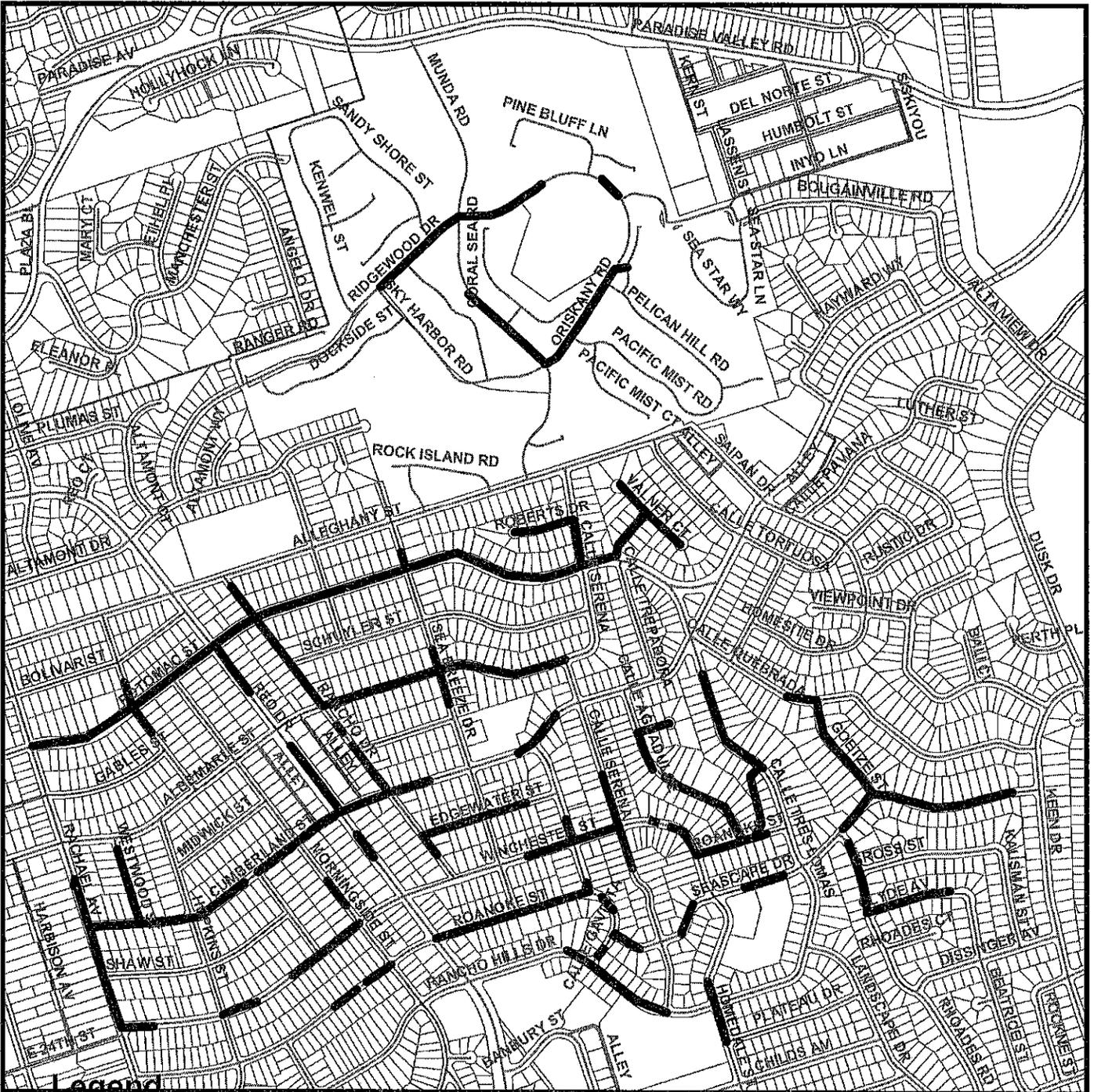
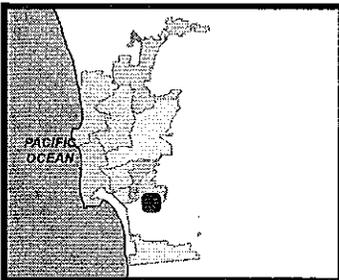
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(619) 533-4698

PROJECT MANAGER
JERICO GALLARDO
(619) 533-7523

PROJECT ENGINEER
ELISEO GUERREO
(619) 573-7422

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



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■ ■ ■ Proposed Pipe Replacement

— Proposed Rehabilitation Pipe

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The City of
SAN DIEGO Public Works

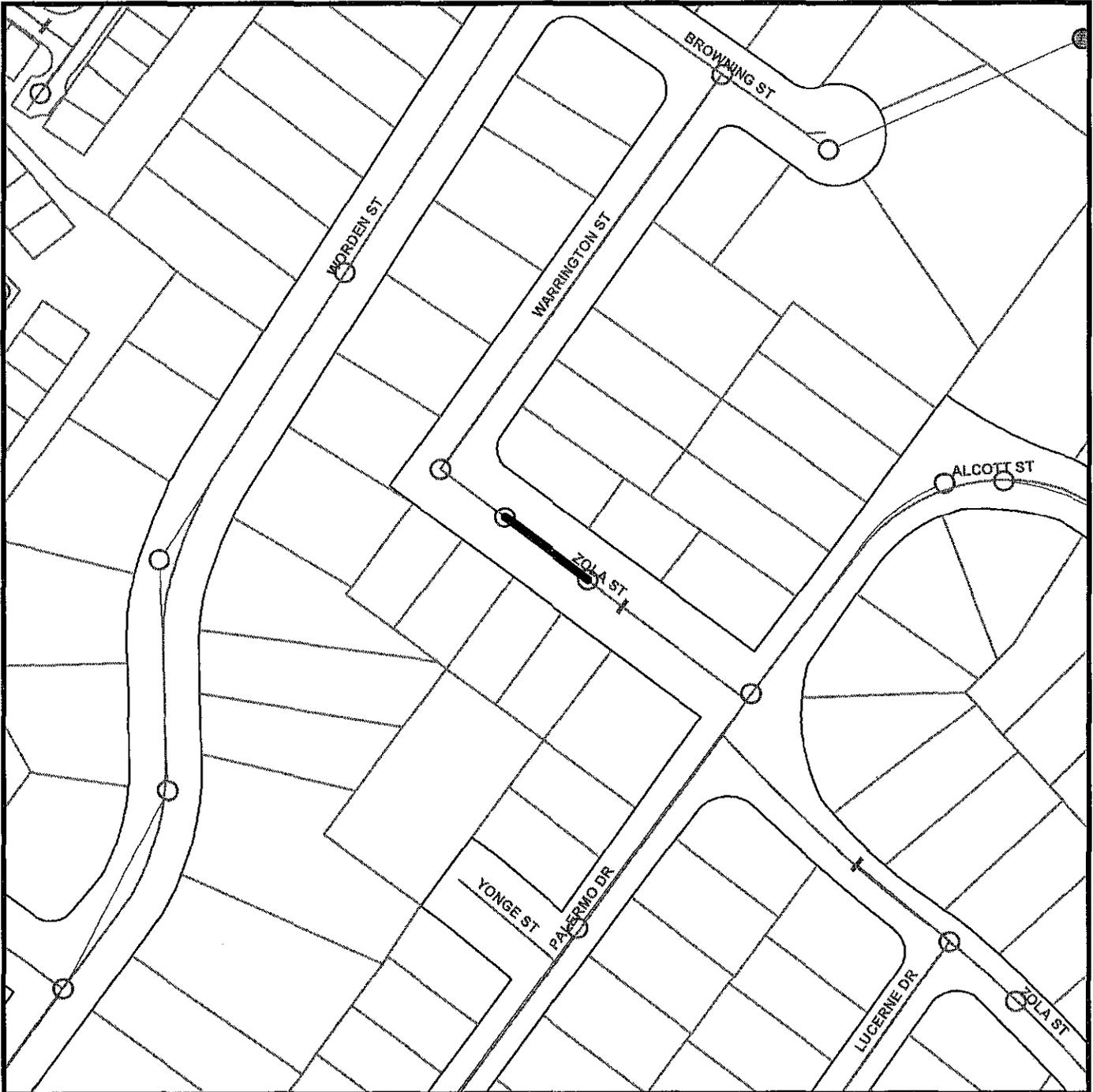
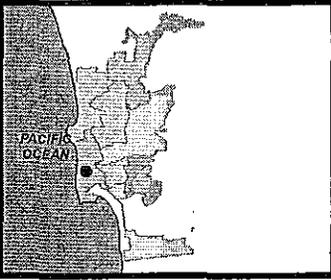
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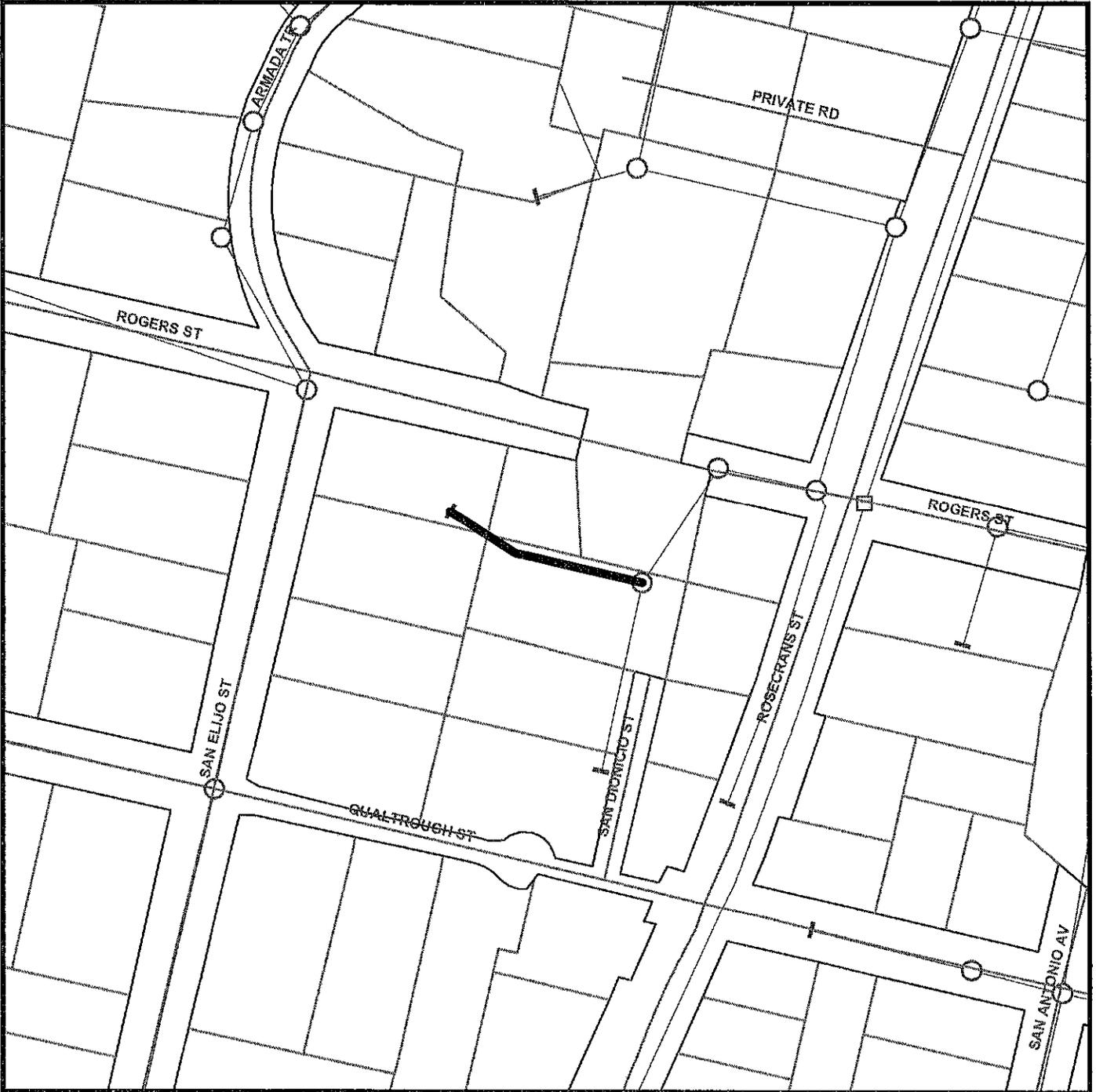
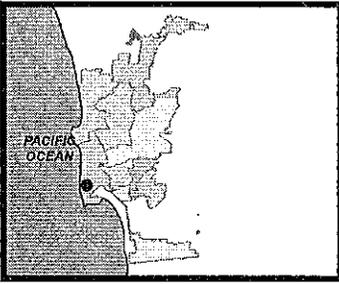
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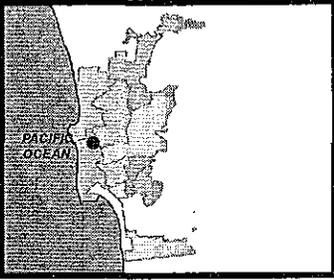
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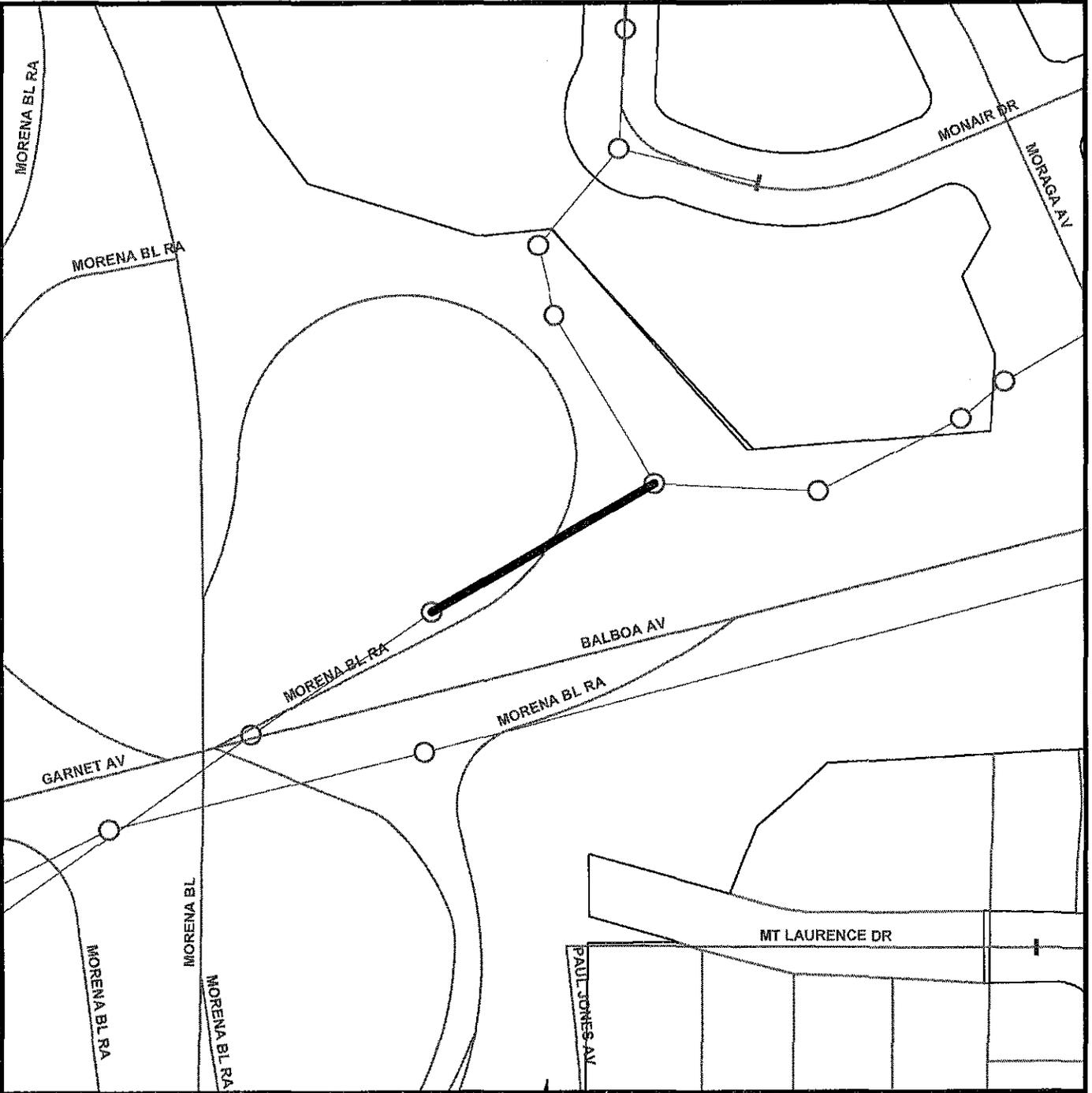
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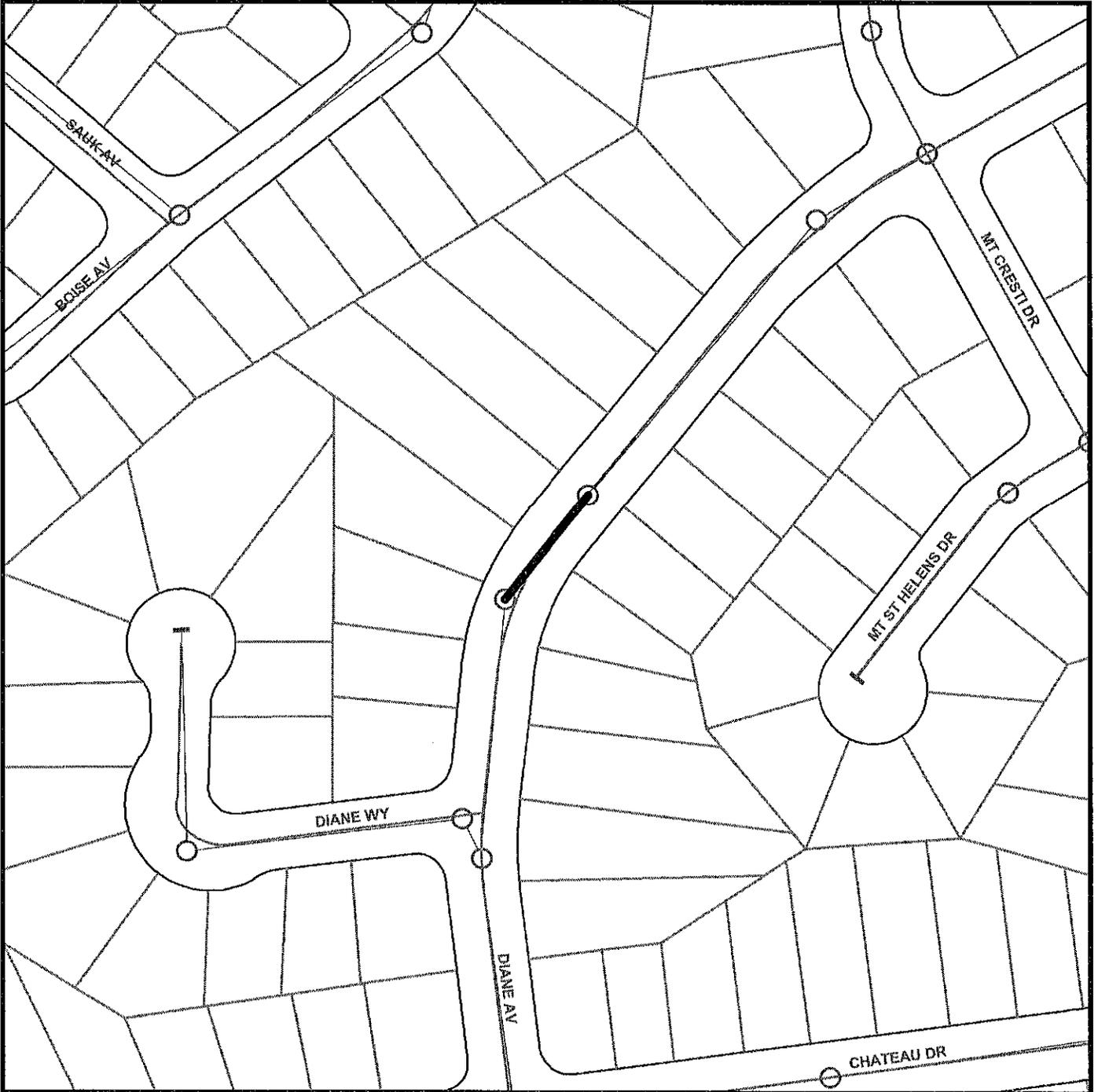
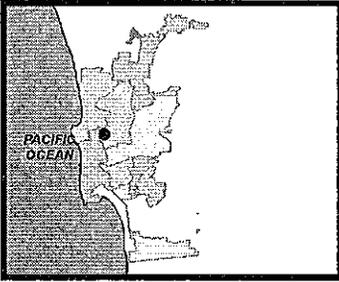
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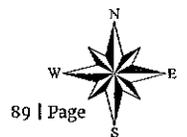
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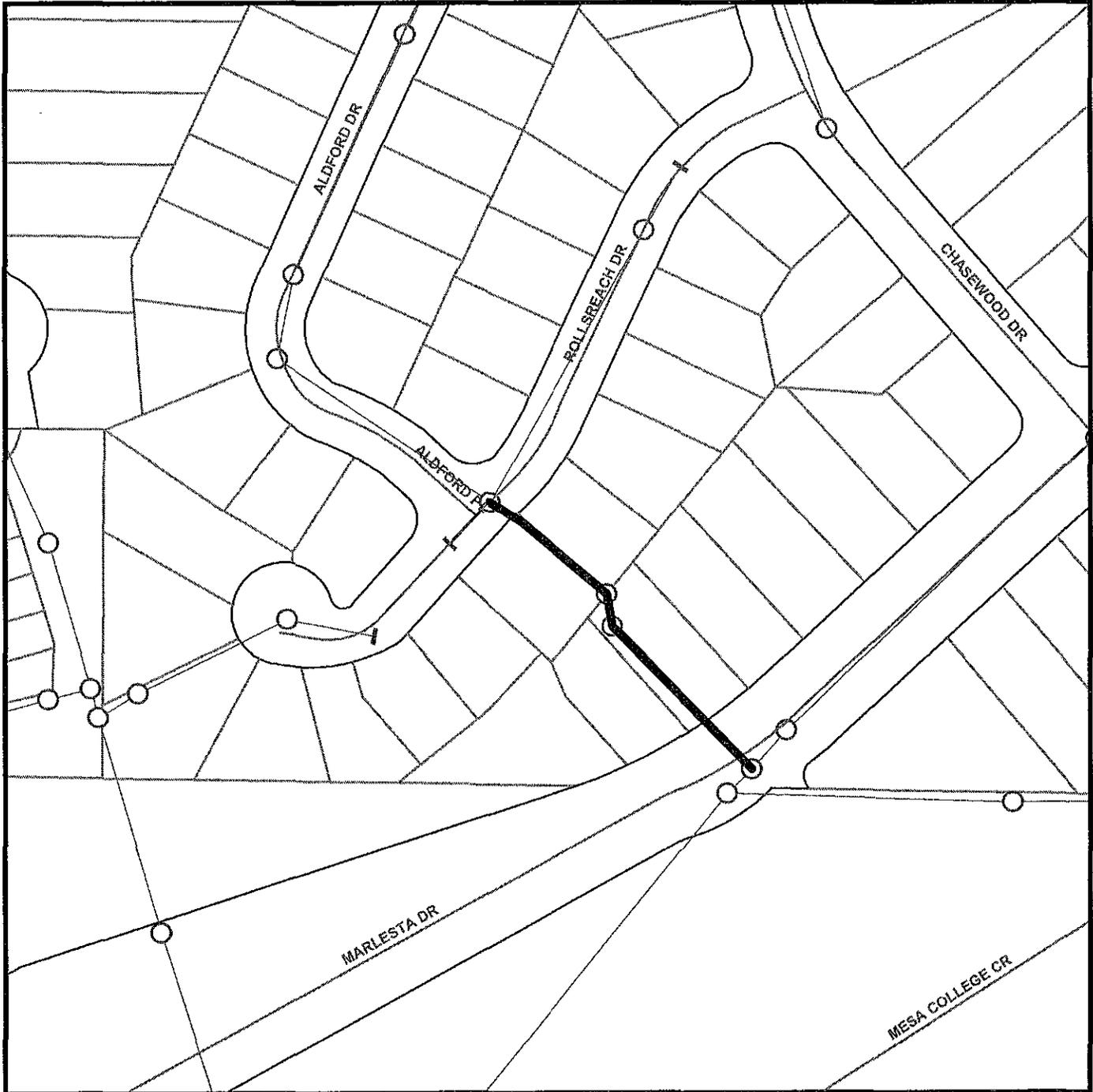
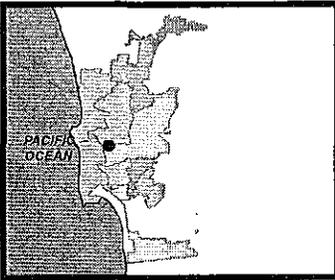
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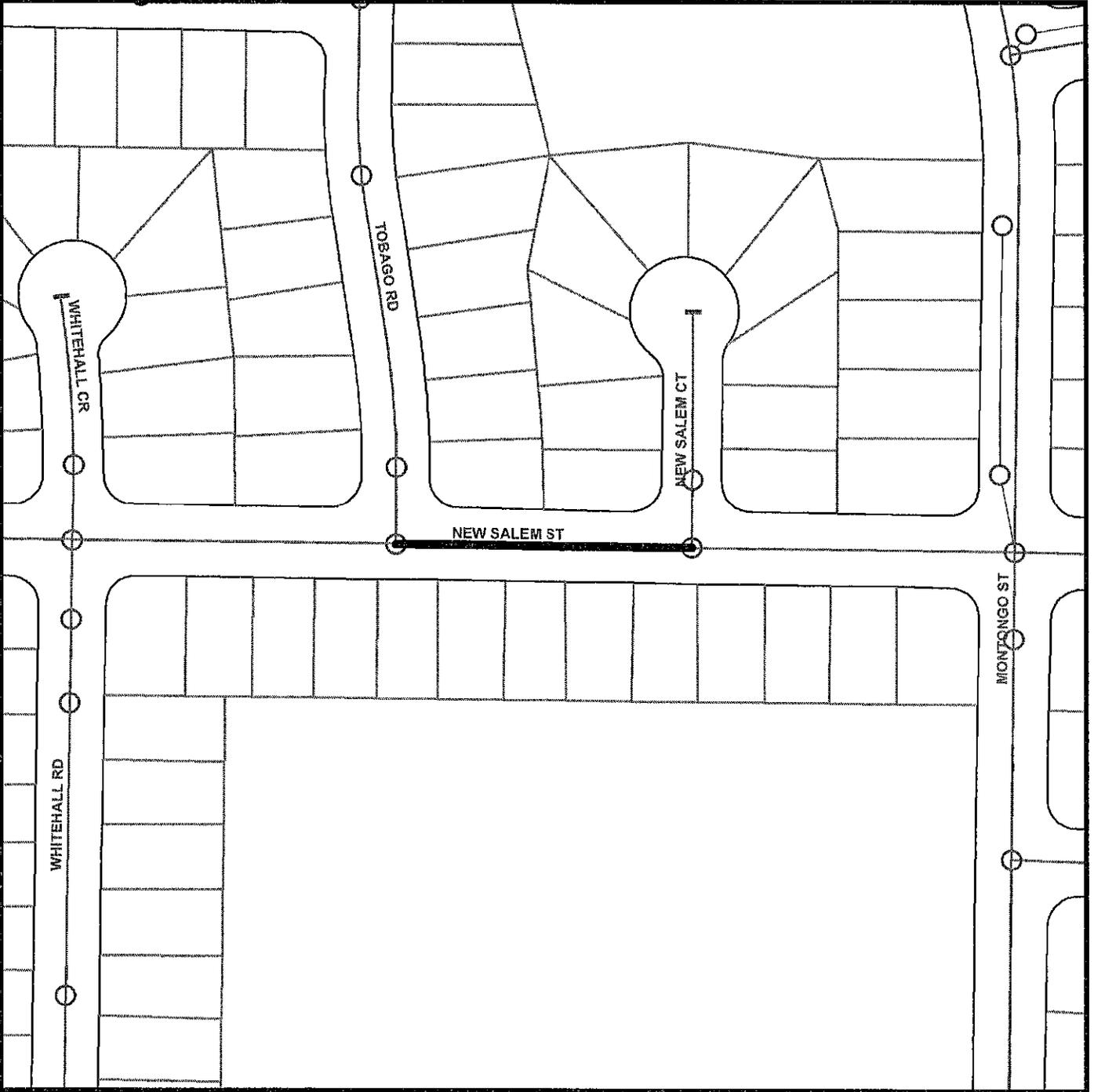
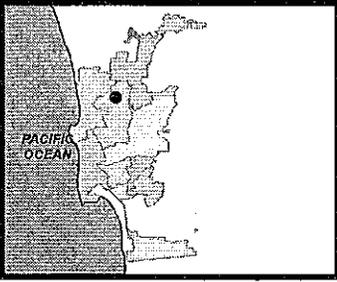
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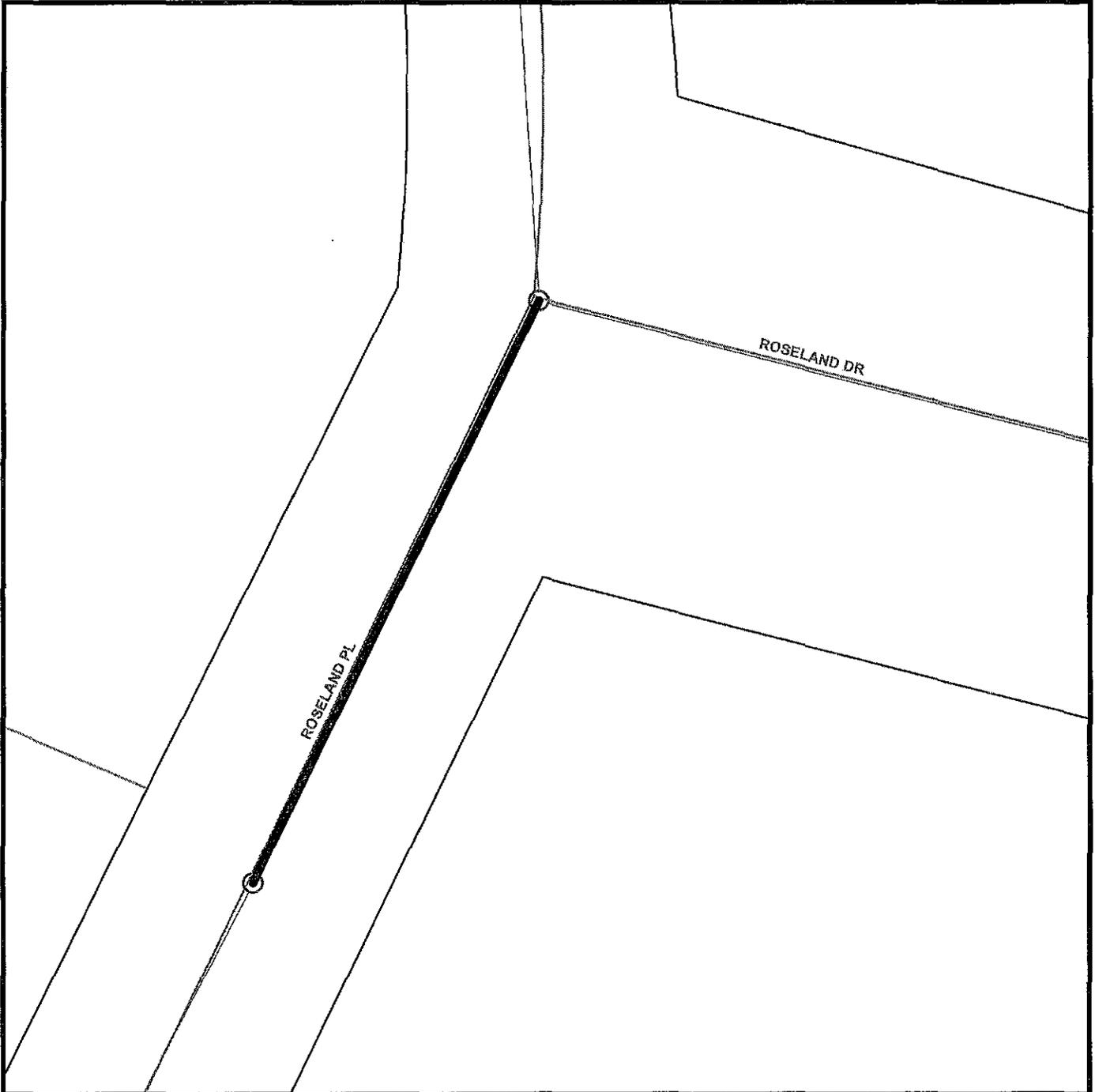
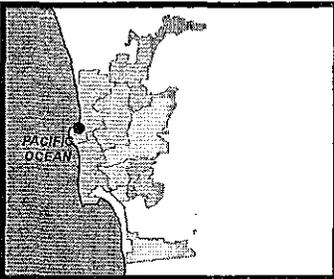
Pipeline Rehabilitation AI-1

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 SHEILA BOSE
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 (619) 533-7523

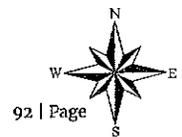
PROJECT ENGINEER
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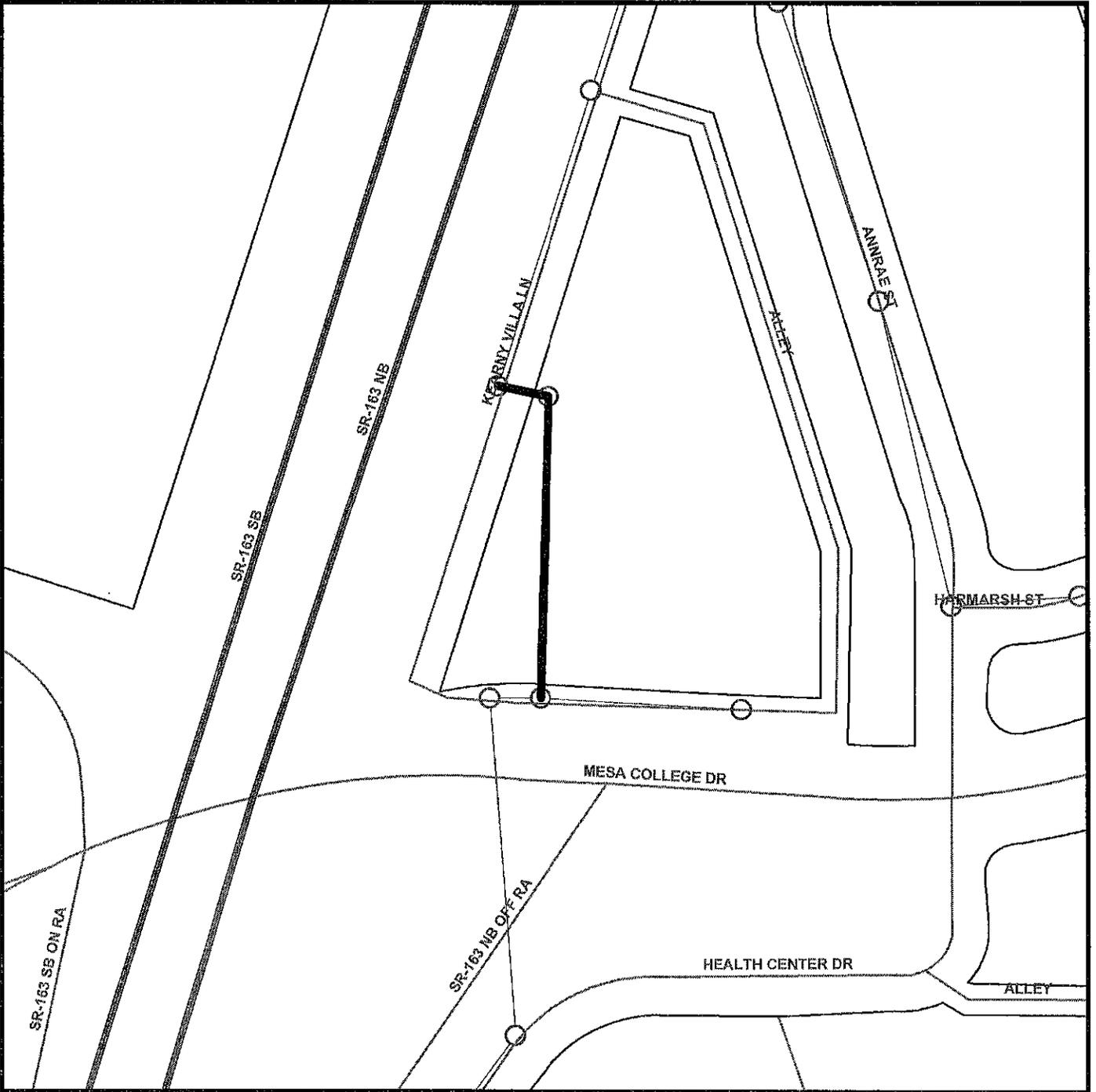
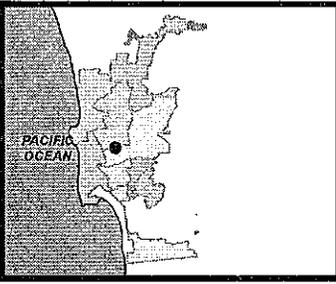
Pipeline Rehabilitation AI-1

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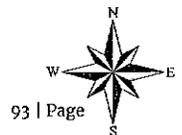
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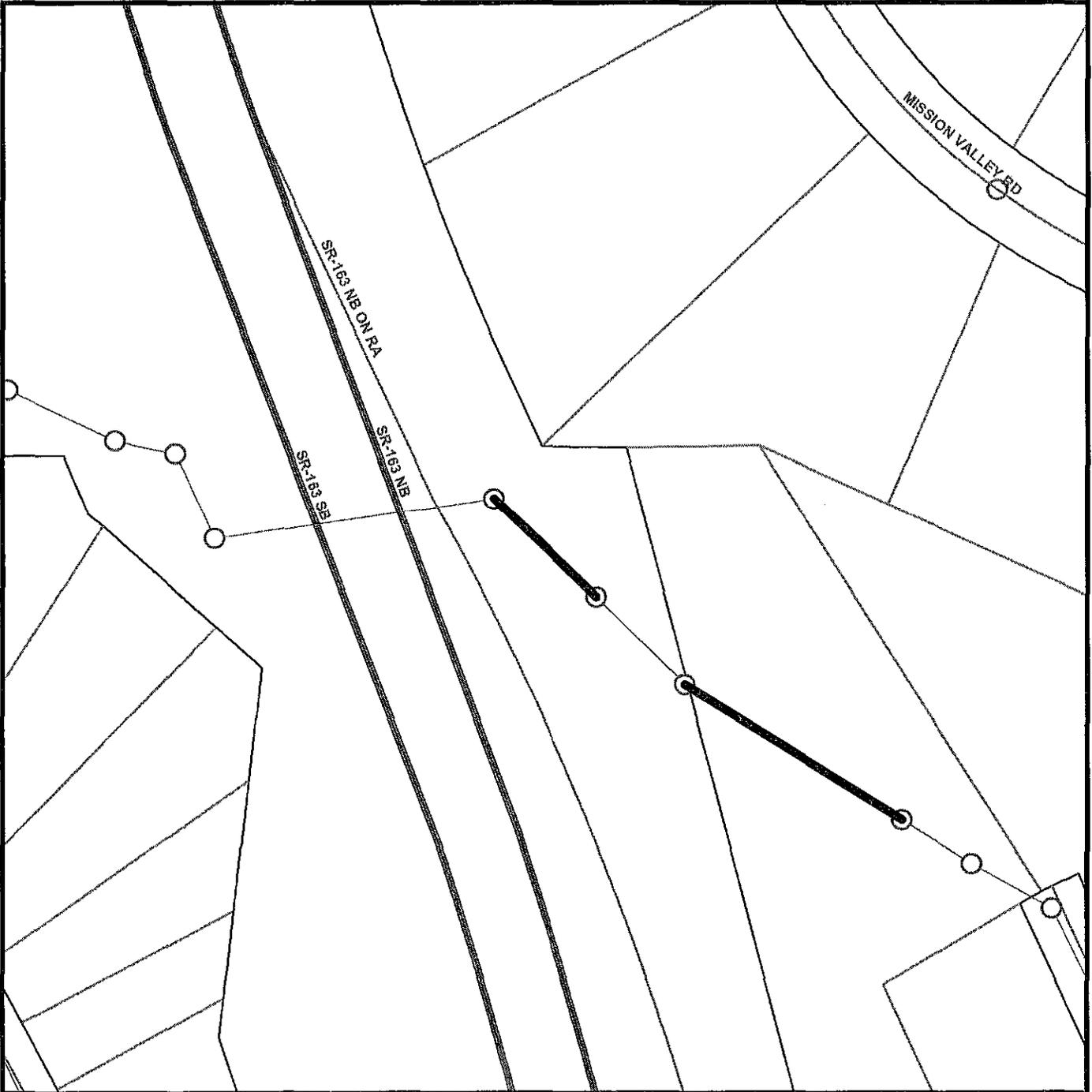
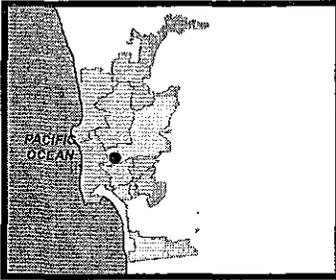
Pipeline Rehabilitation AI-1

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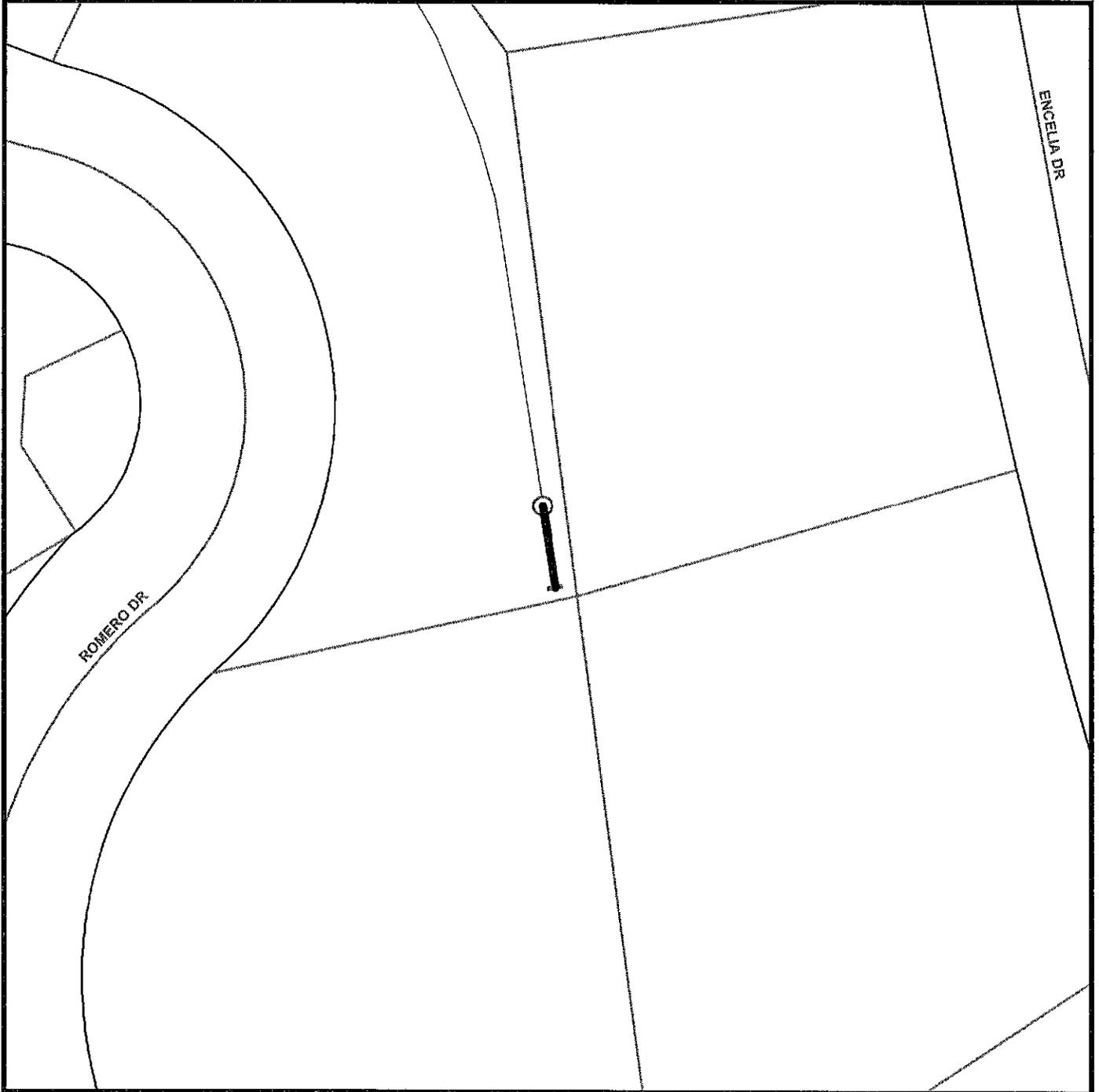
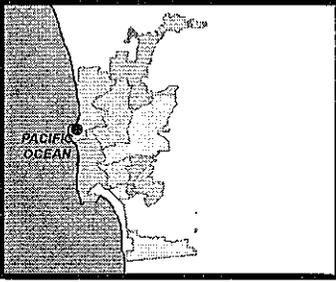
Pipeline Rehabilitation AI-1

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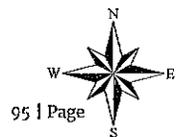
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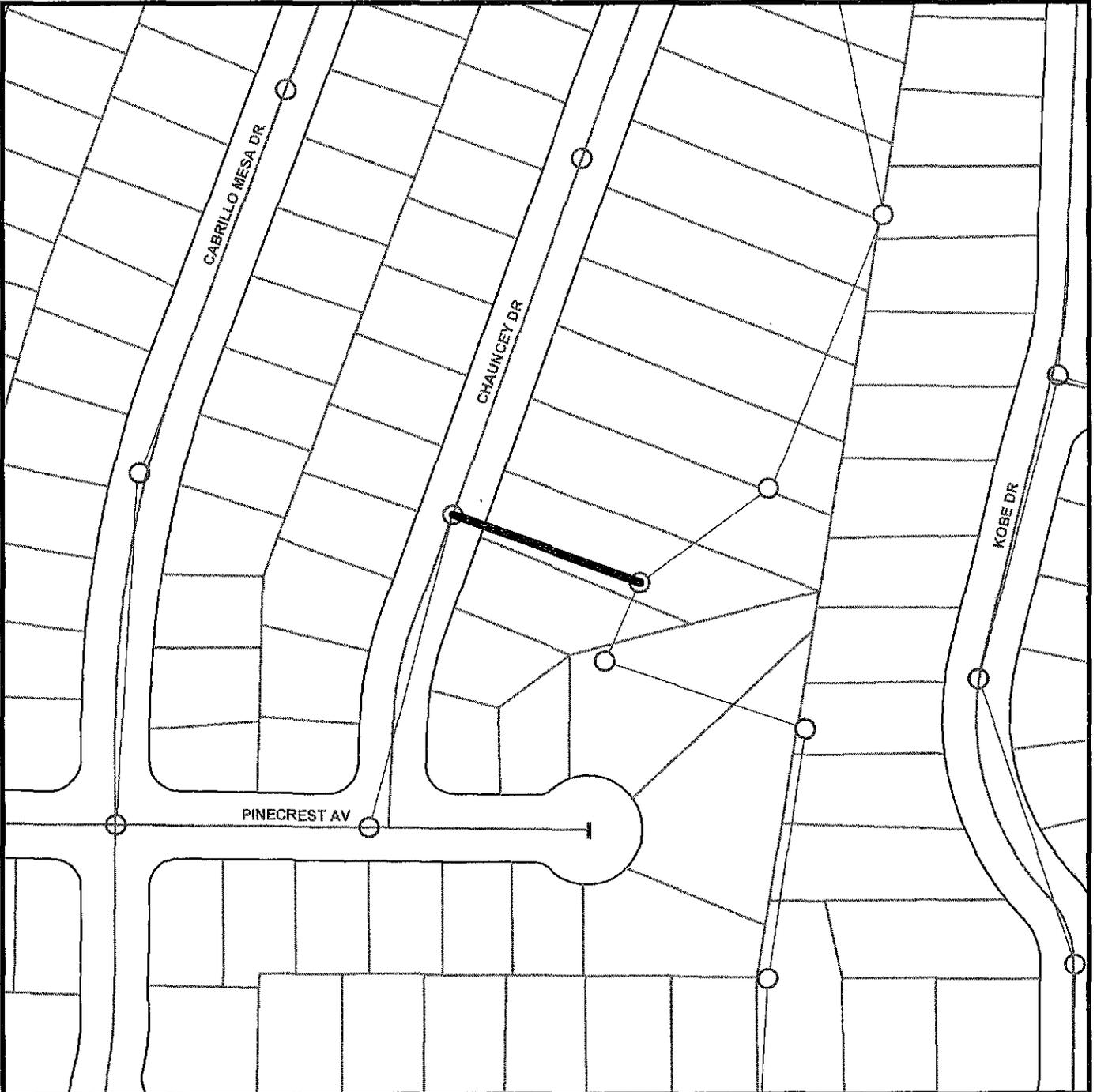
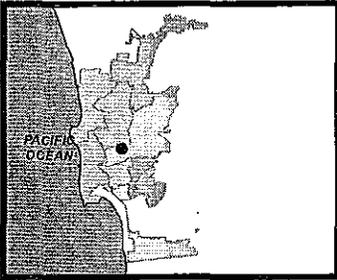
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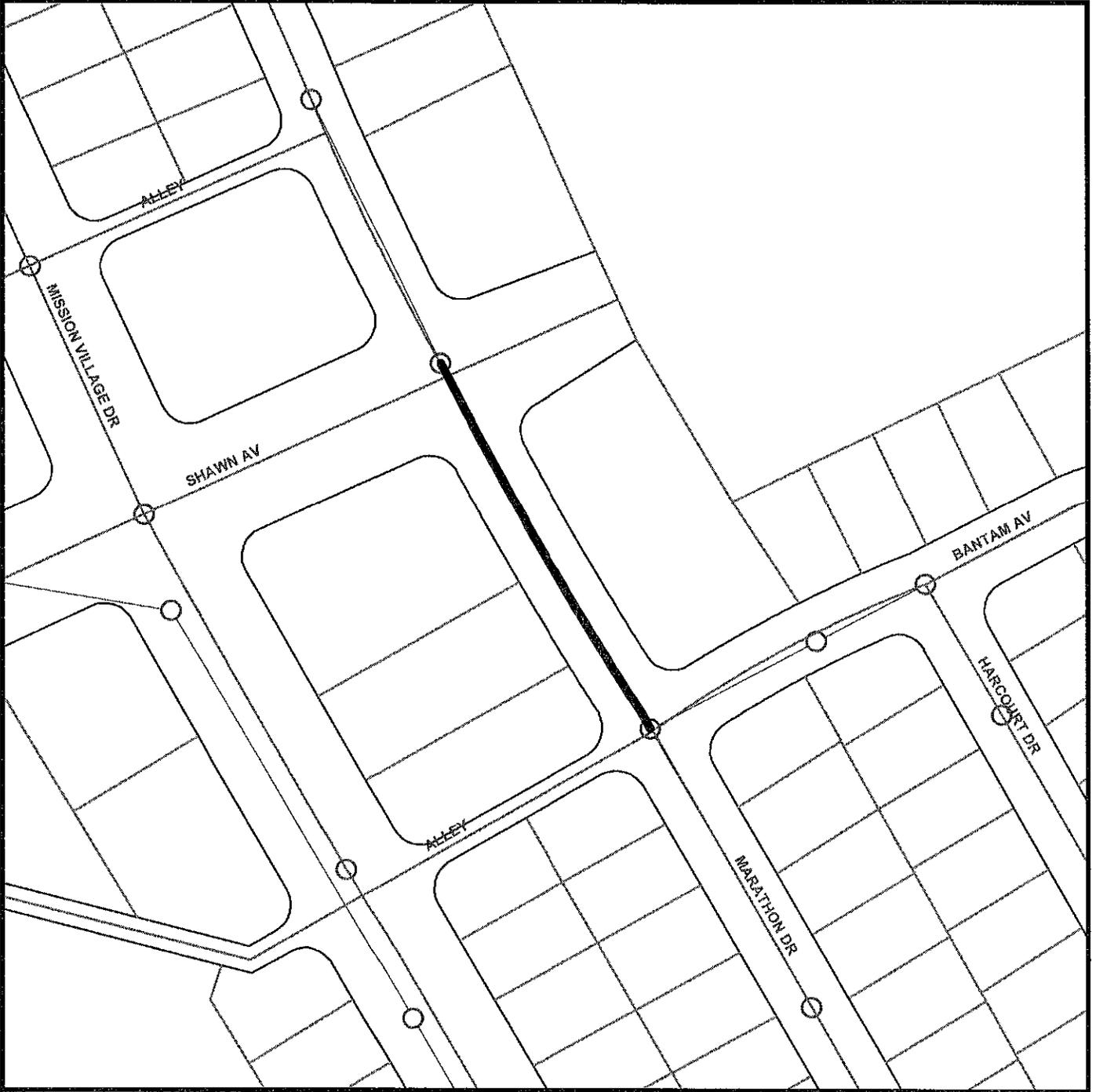
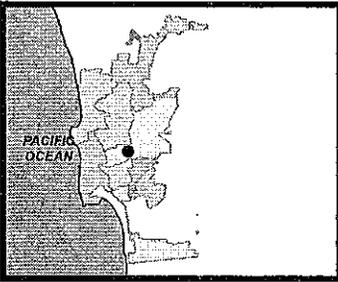
Pipeline Rehabilitation AI-1

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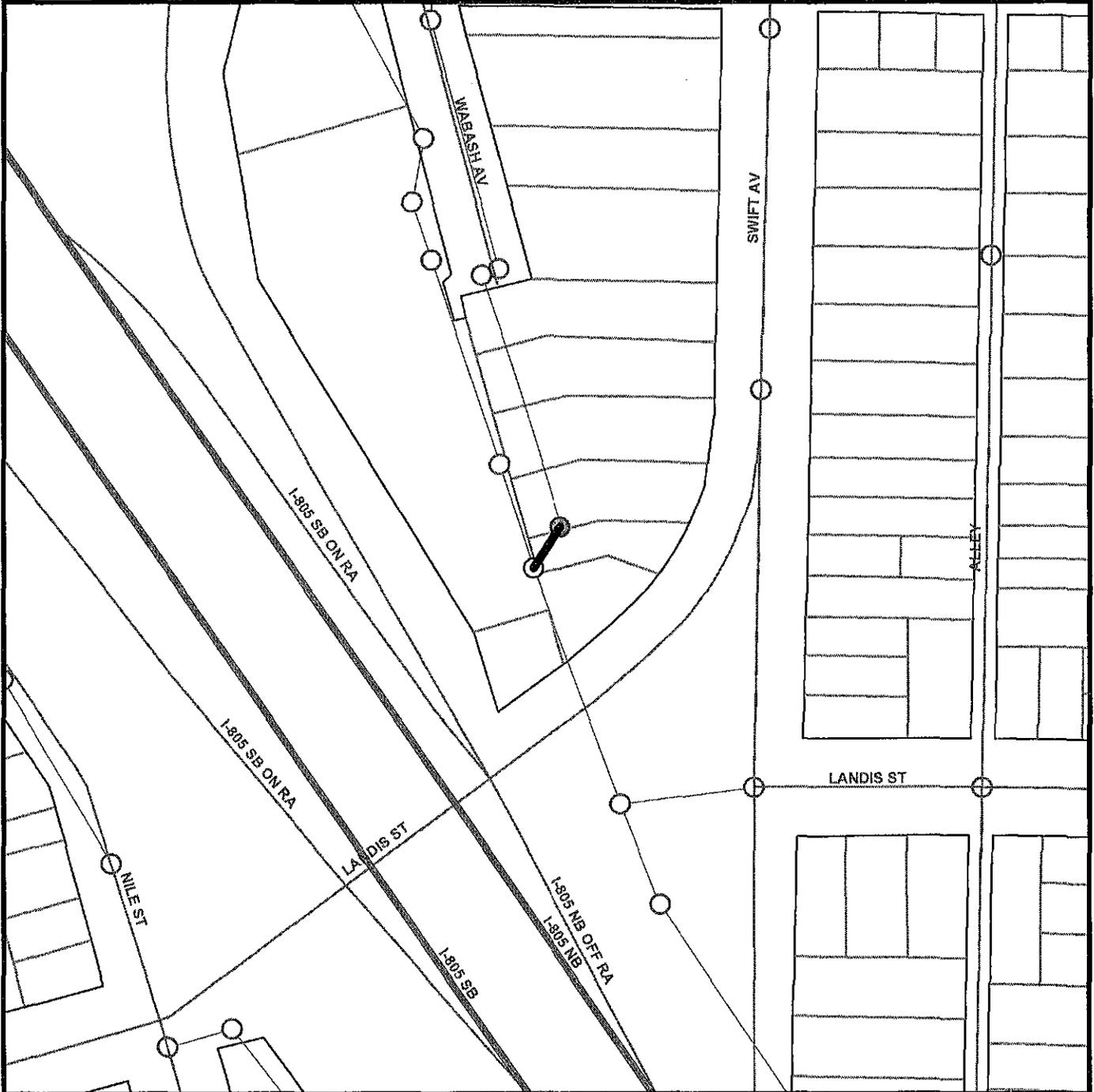
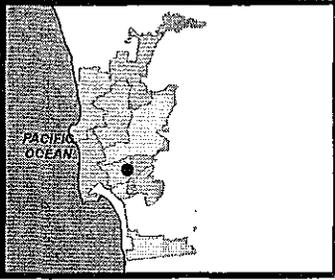
Pipeline Rehabilitation AI-1

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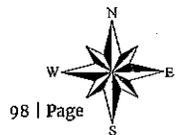
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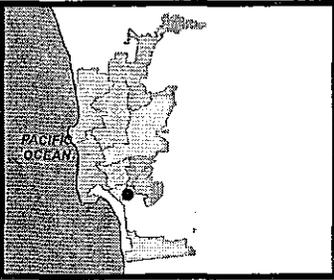
Pipeline Rehabilitation AI-1

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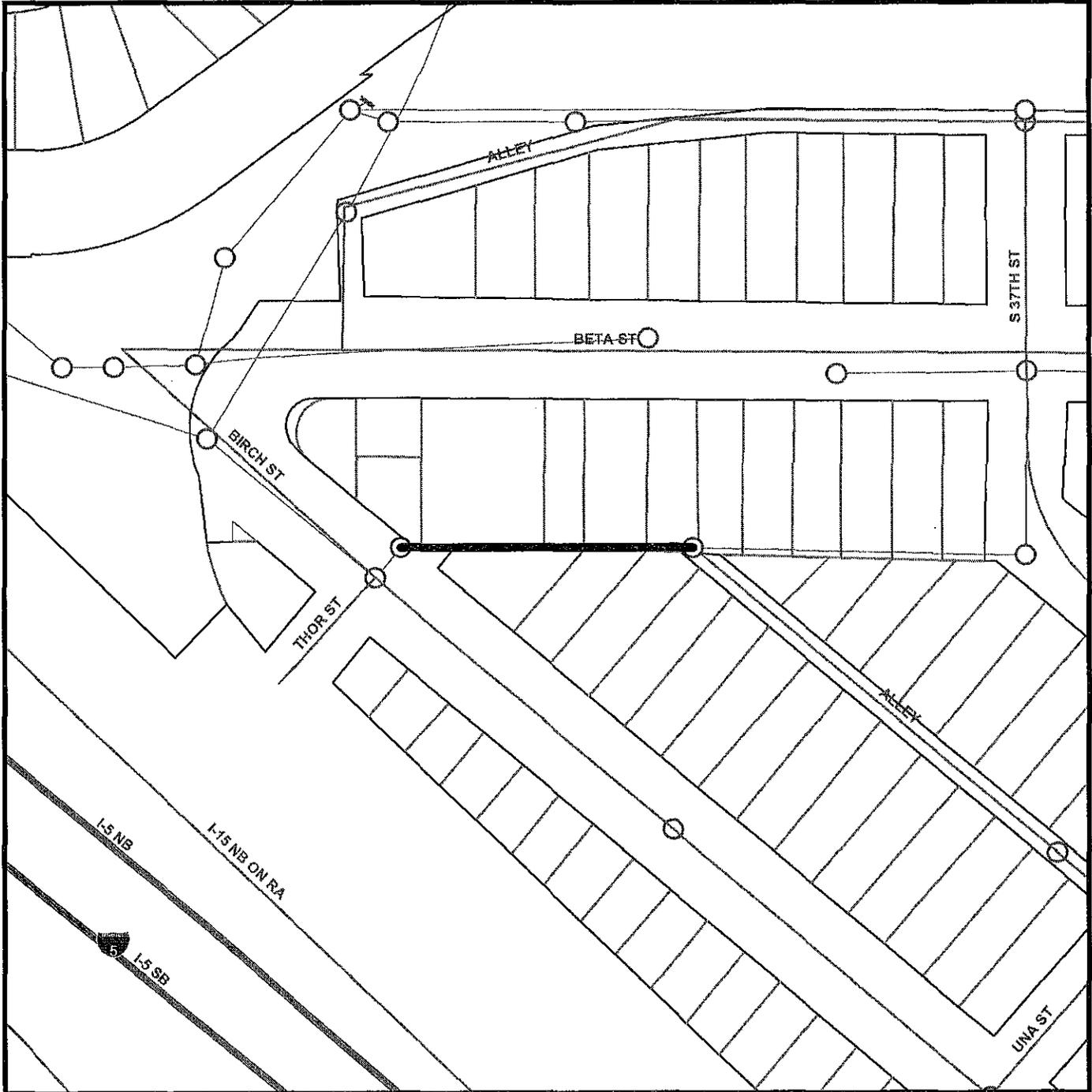
PROJECT MANAGER
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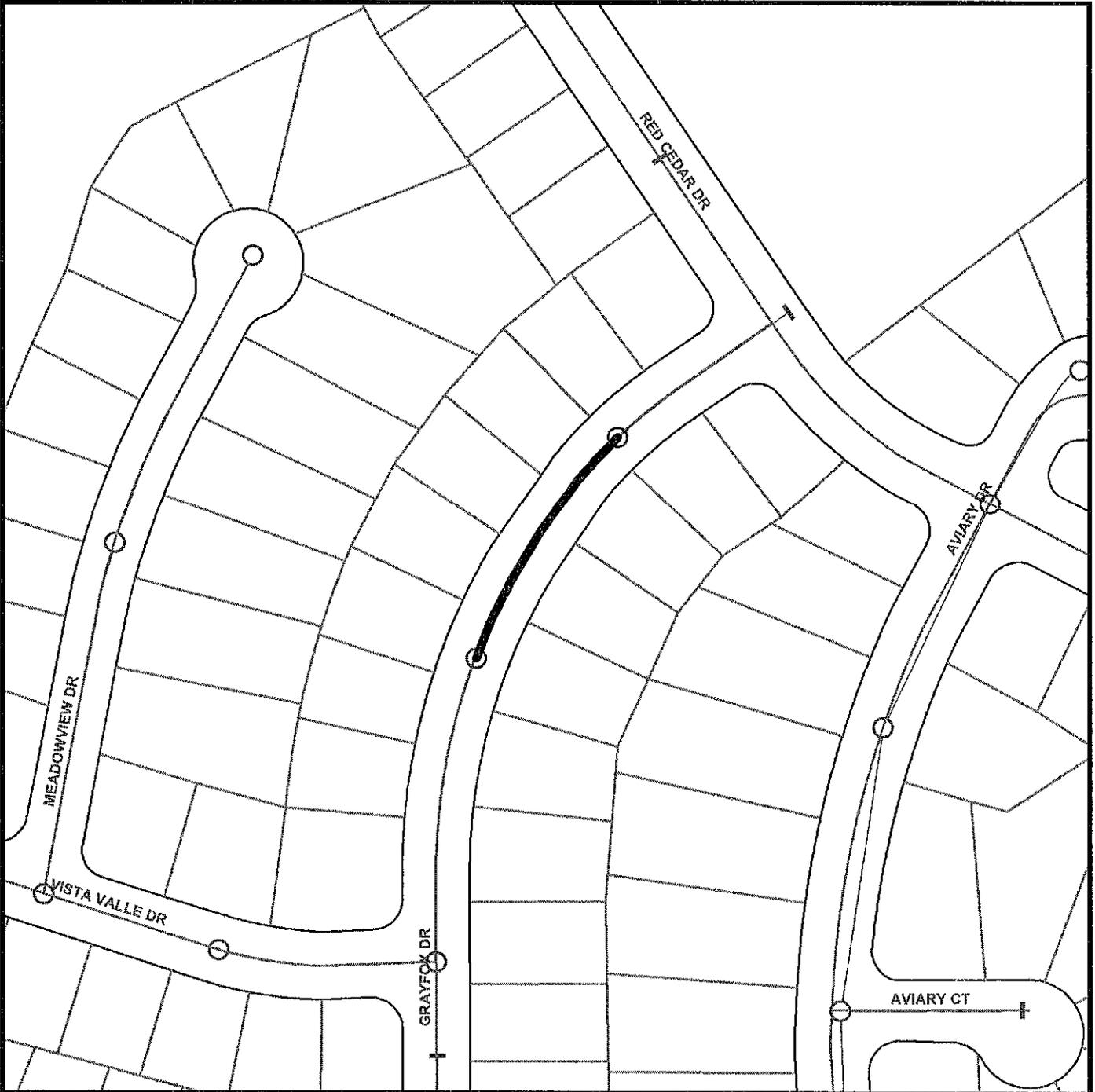
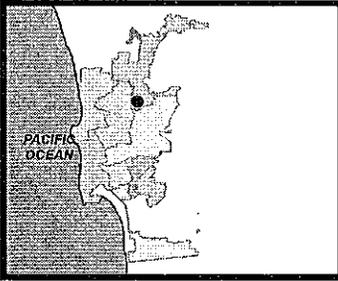
Pipeline Rehabilitation AI-1

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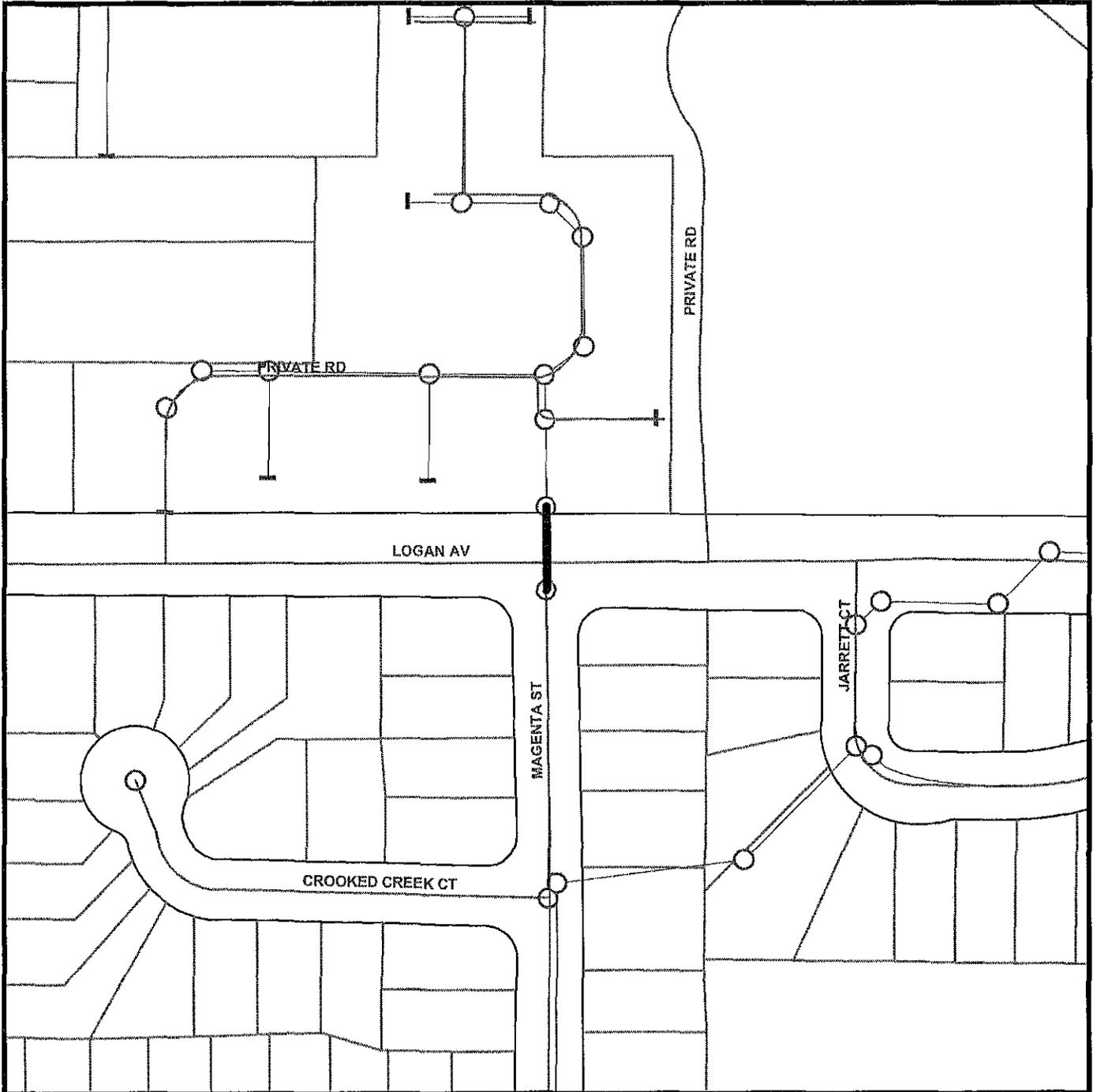
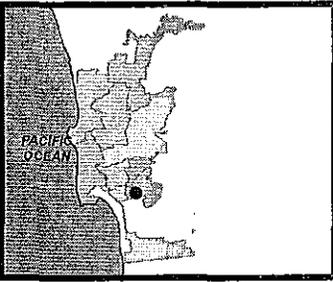
Pipeline Rehabilitation AI-1

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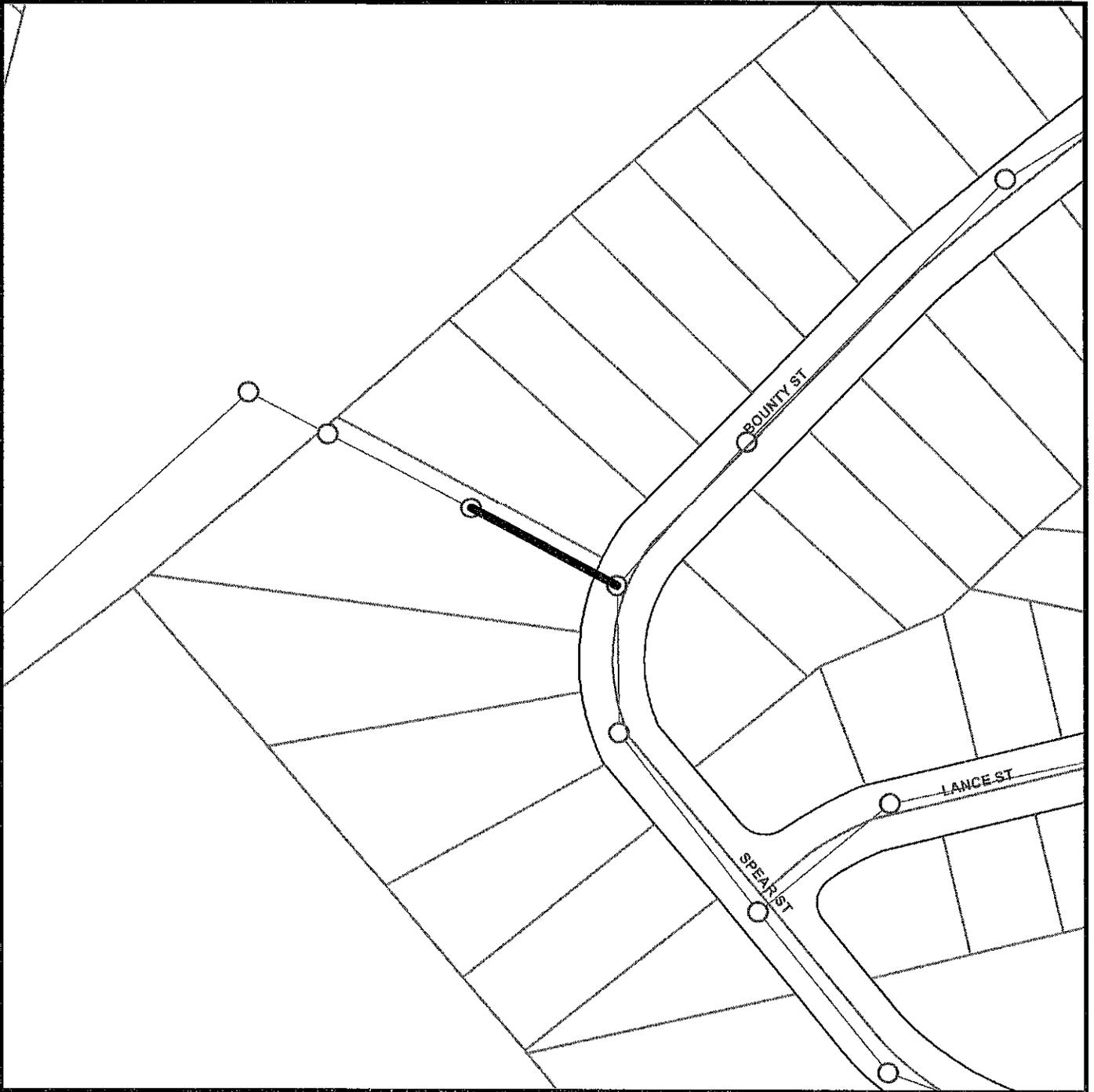
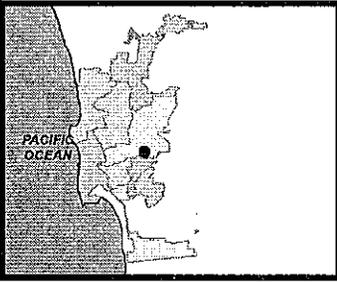
Pipeline Rehabilitation AI-1

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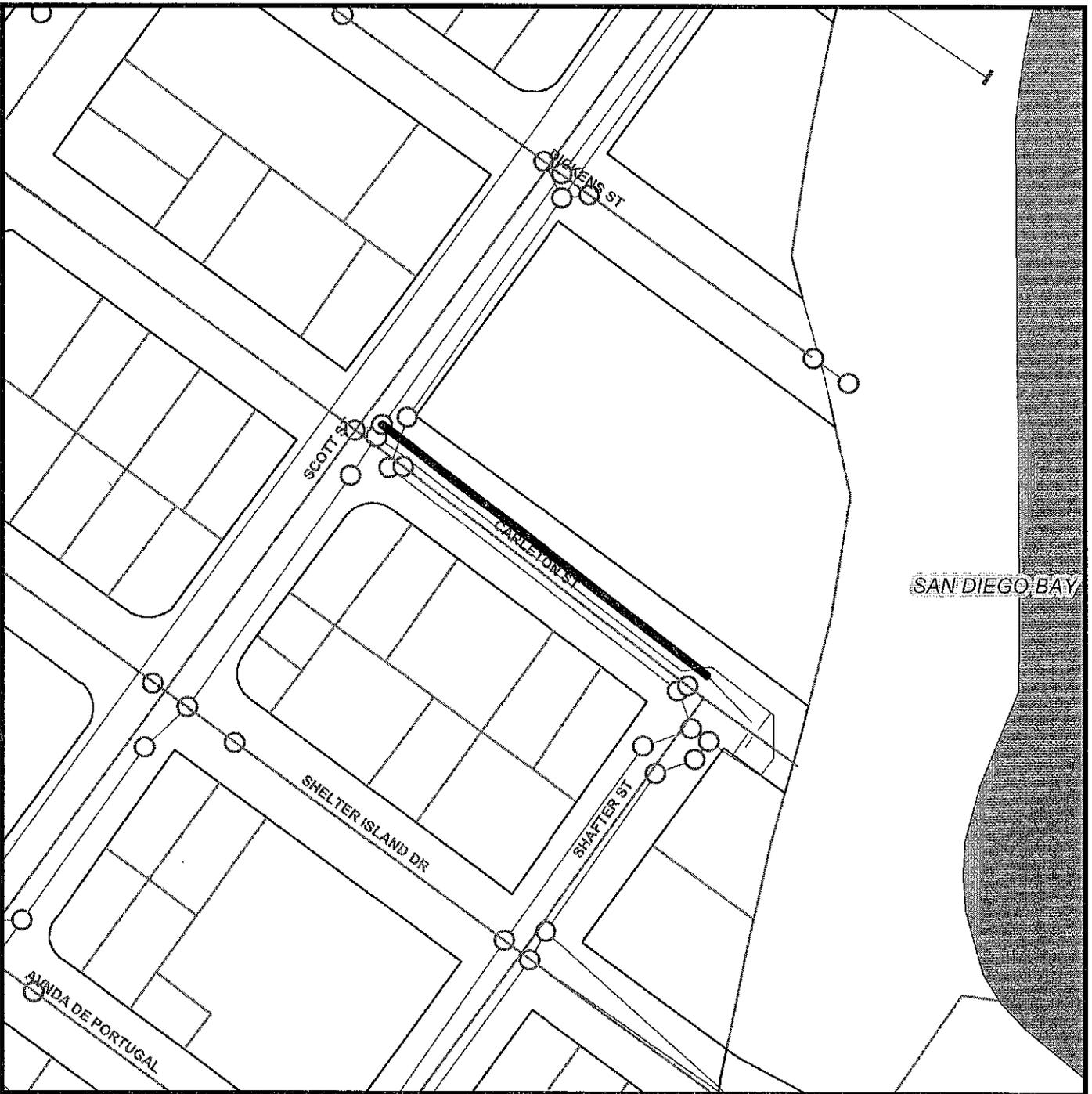
Pipeline Rehabilitation AI-1

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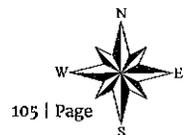
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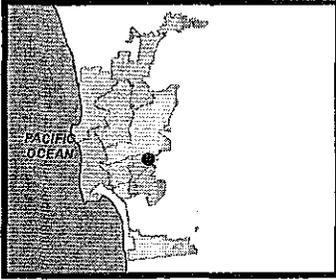
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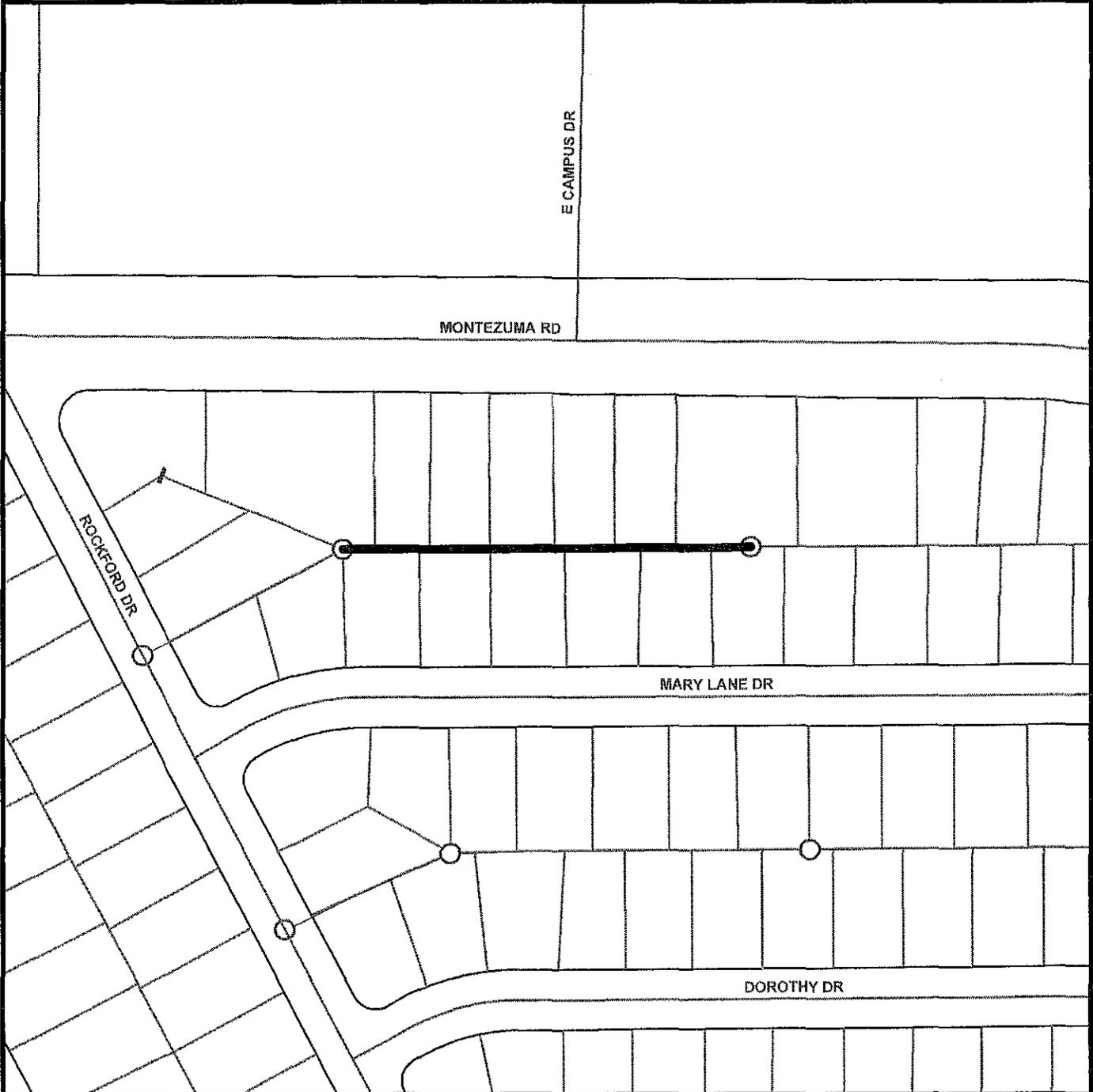
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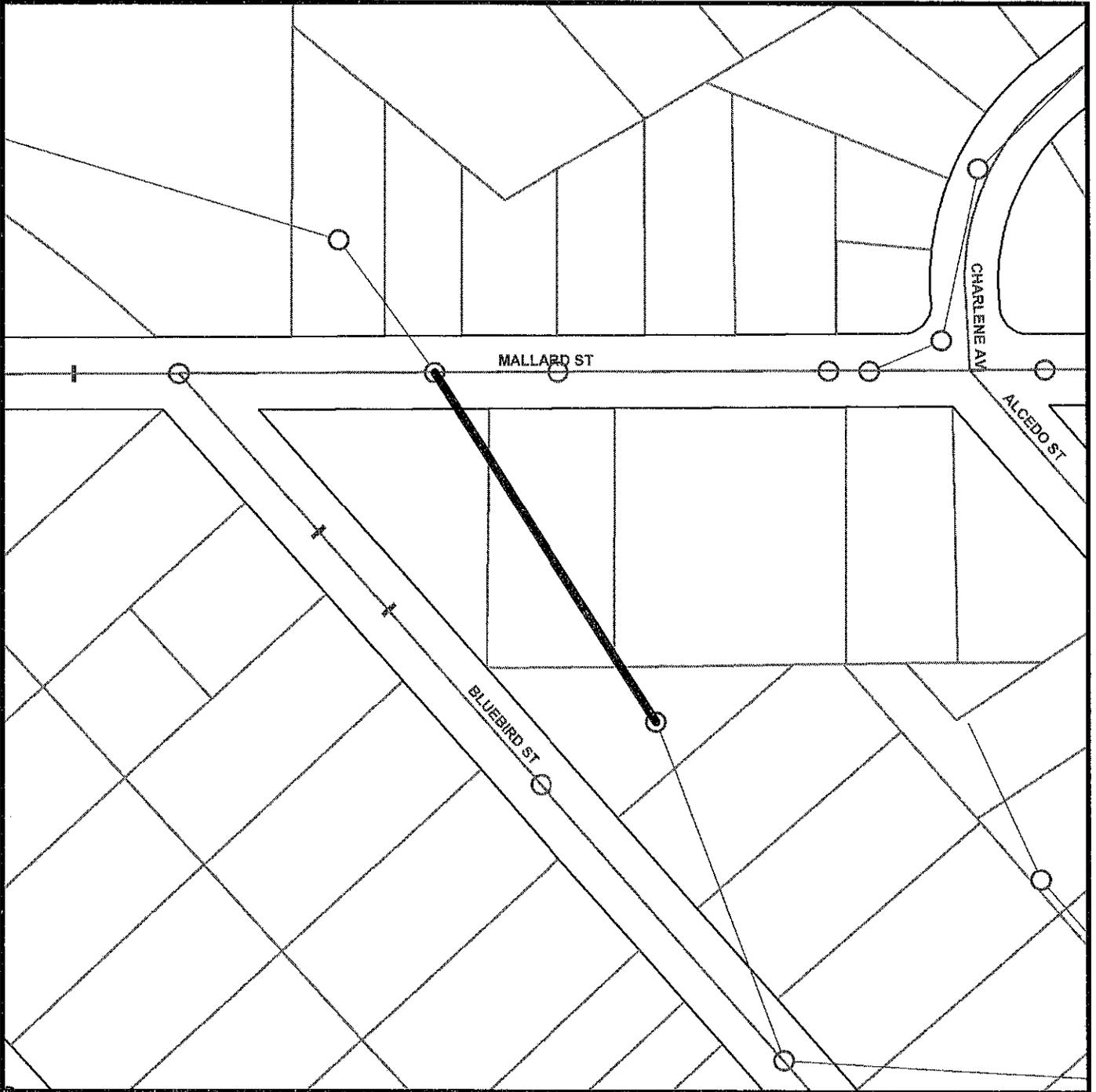
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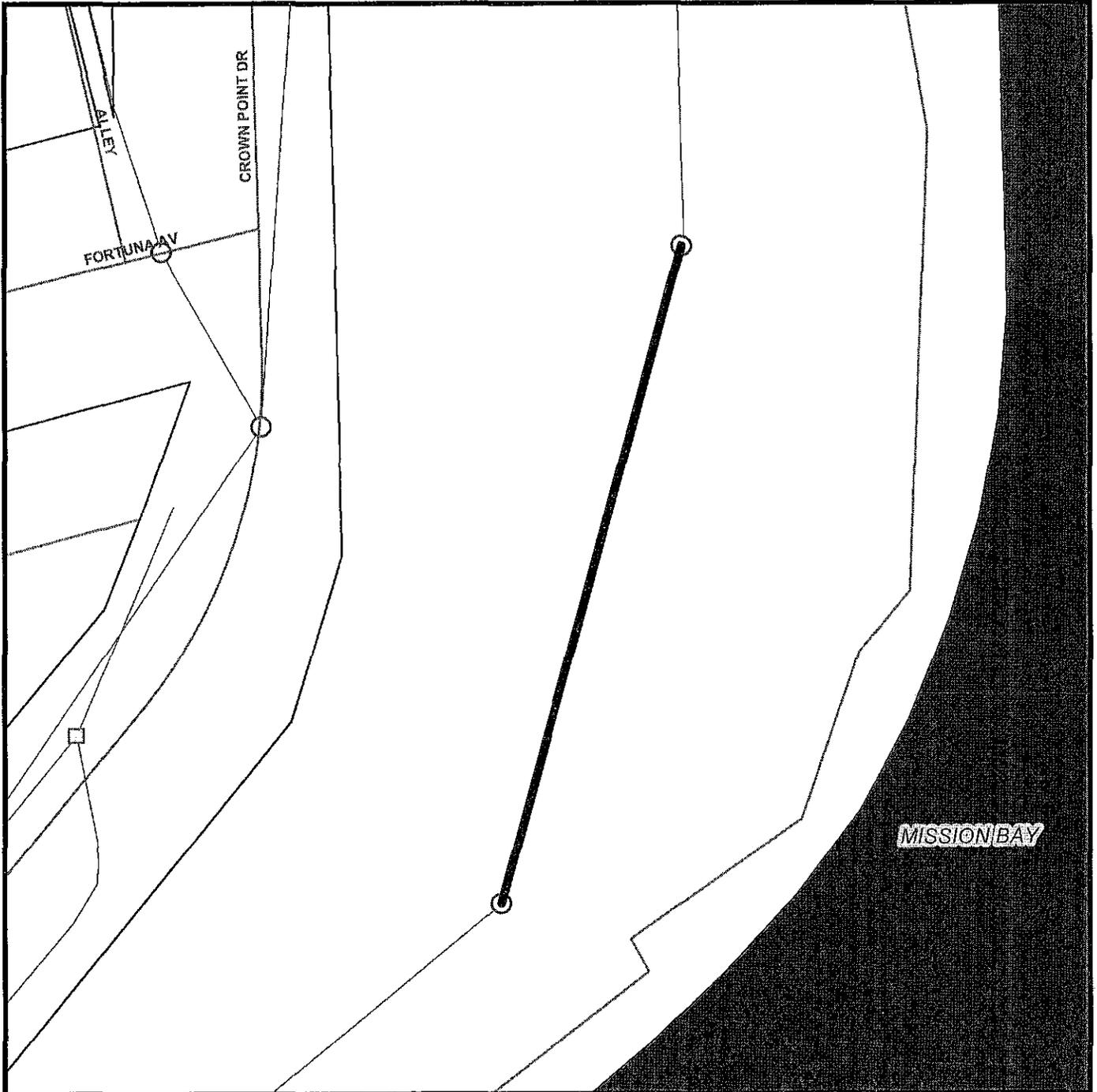
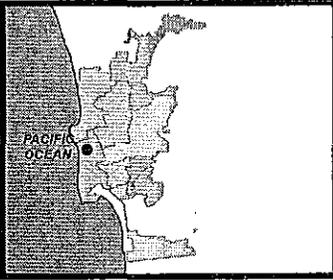
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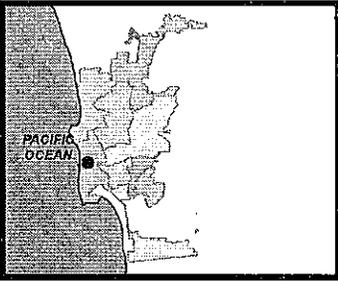
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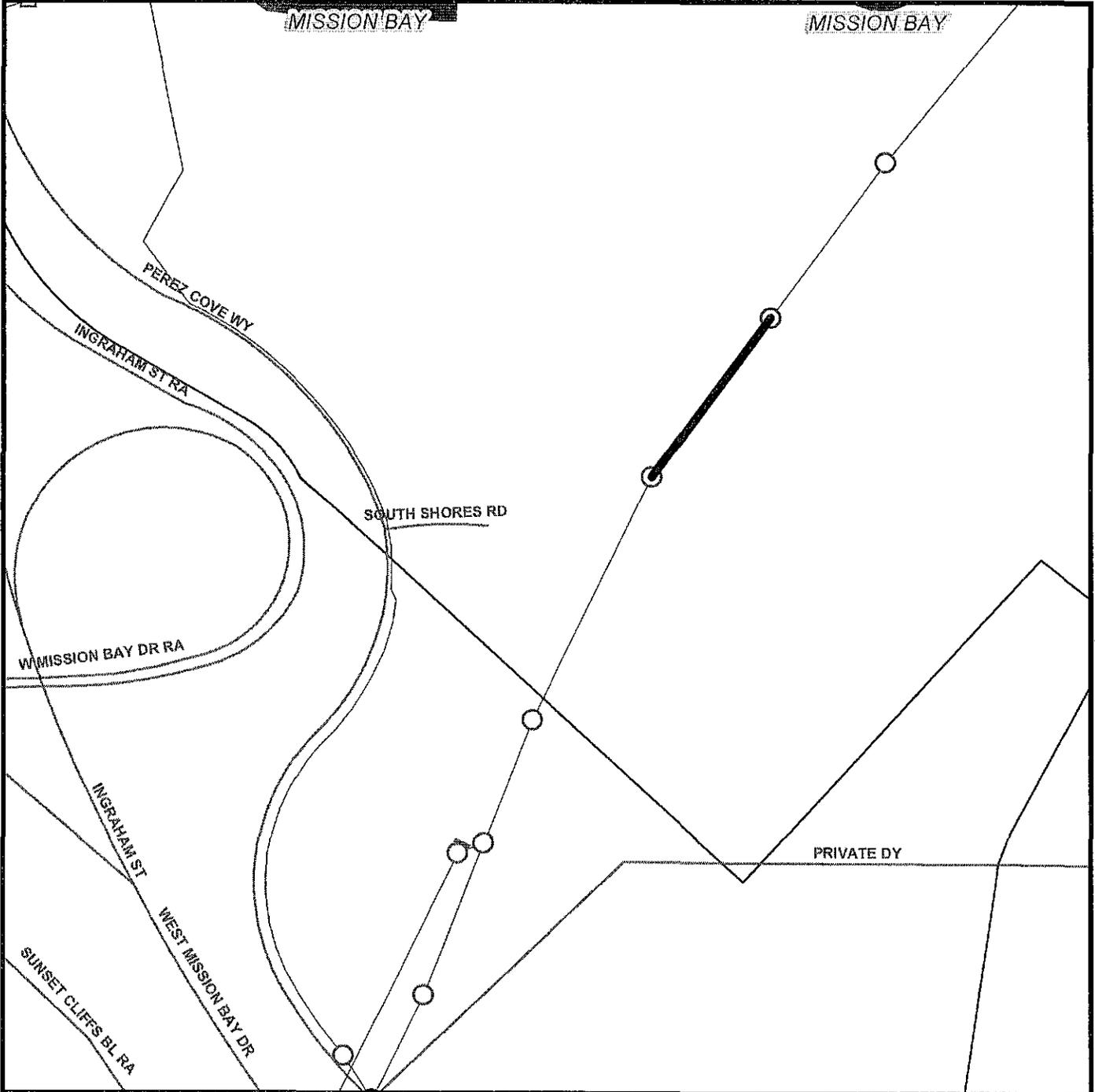
PROJECT MANAGER
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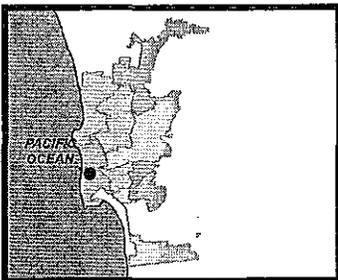
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APPENDIX F
ADJACENT PROJECTS

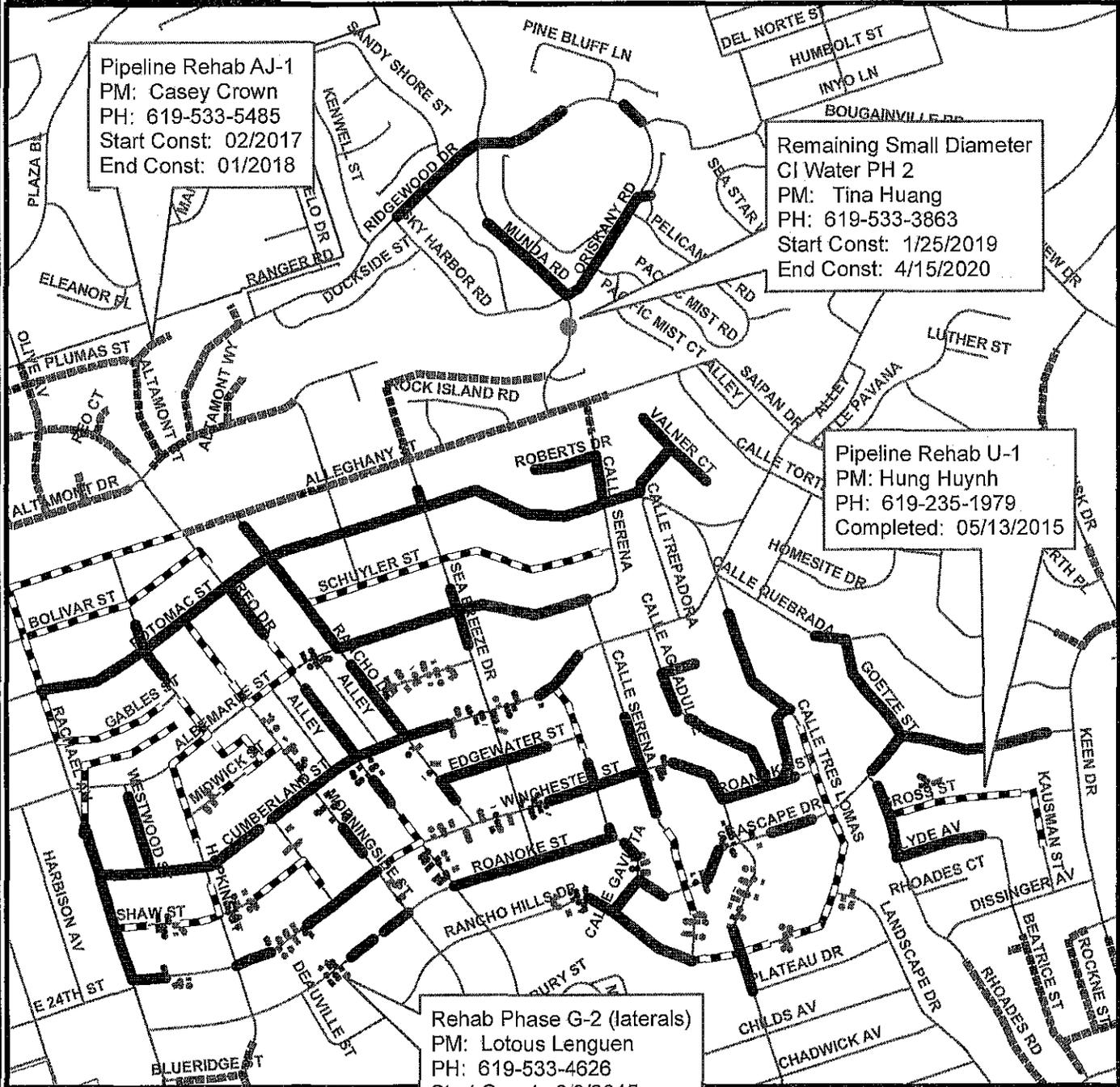
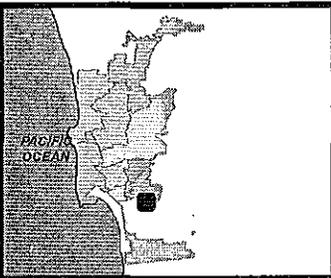
The City of
SAN DIEGO Public Works
Pipeline Rehabilitation AI-1
Adjacent Projects Location Map

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Pipeline Rehab AJ-1
 PM: Casey Crown
 PH: 619-533-5485
 Start Const: 02/2017
 End Const: 01/2018

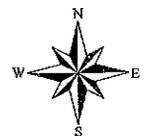
Remaining Small Diameter
 CI Water PH 2
 PM: Tina Huang
 PH: 619-533-3863
 Start Const: 1/25/2019
 End Const: 4/15/2020

Pipeline Rehab U-1
 PM: Hung Huynh
 PH: 619-235-1979
 Completed: 05/13/2015

Rehab Phase G-2 (laterals)
 PM: Lotus Lenguen
 PH: 619-533-4626
 Start Const: 3/9/2015
 End Const: 6/20/2016

Legend

- Rehab_AI-1_Shape_File_8-26-15
- B11029|Pipeline Rehab - Phase G-2 (laterals)
- B13012|Pipeline Rehabilitation U-1
- B15201|Pipeline Rehabilitation AJ-1
- B16023|Remaining Small Diameter CI Water Ph2



COMMUNITY NAME: SKYLINE-PARADISE HILLS

COUNCIL DISTRICT: 4

SAP ID: B15187 (S)

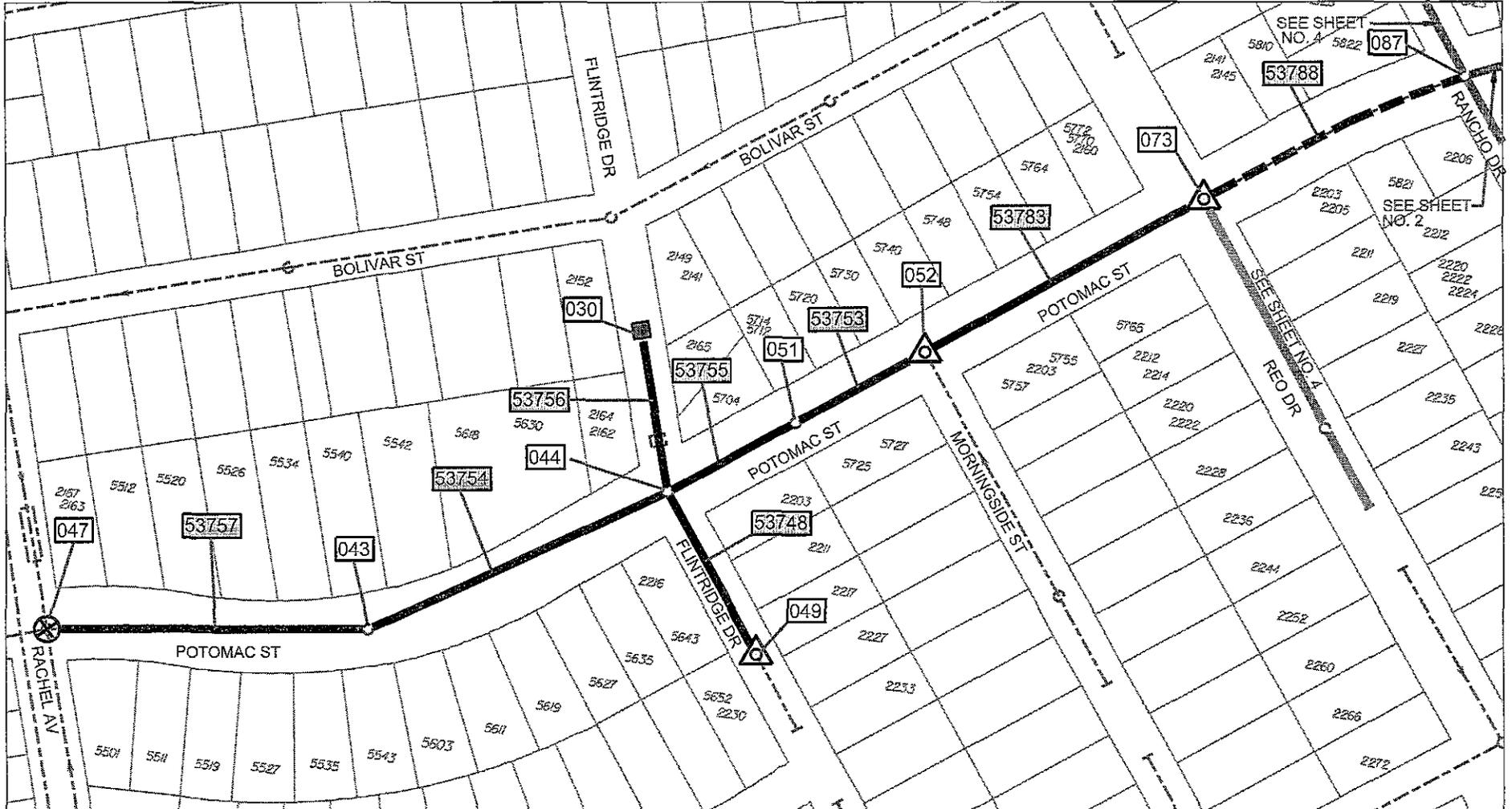
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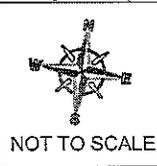
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APPENDIX G

SCOPE OF WORK TABLES & SITE MAPS



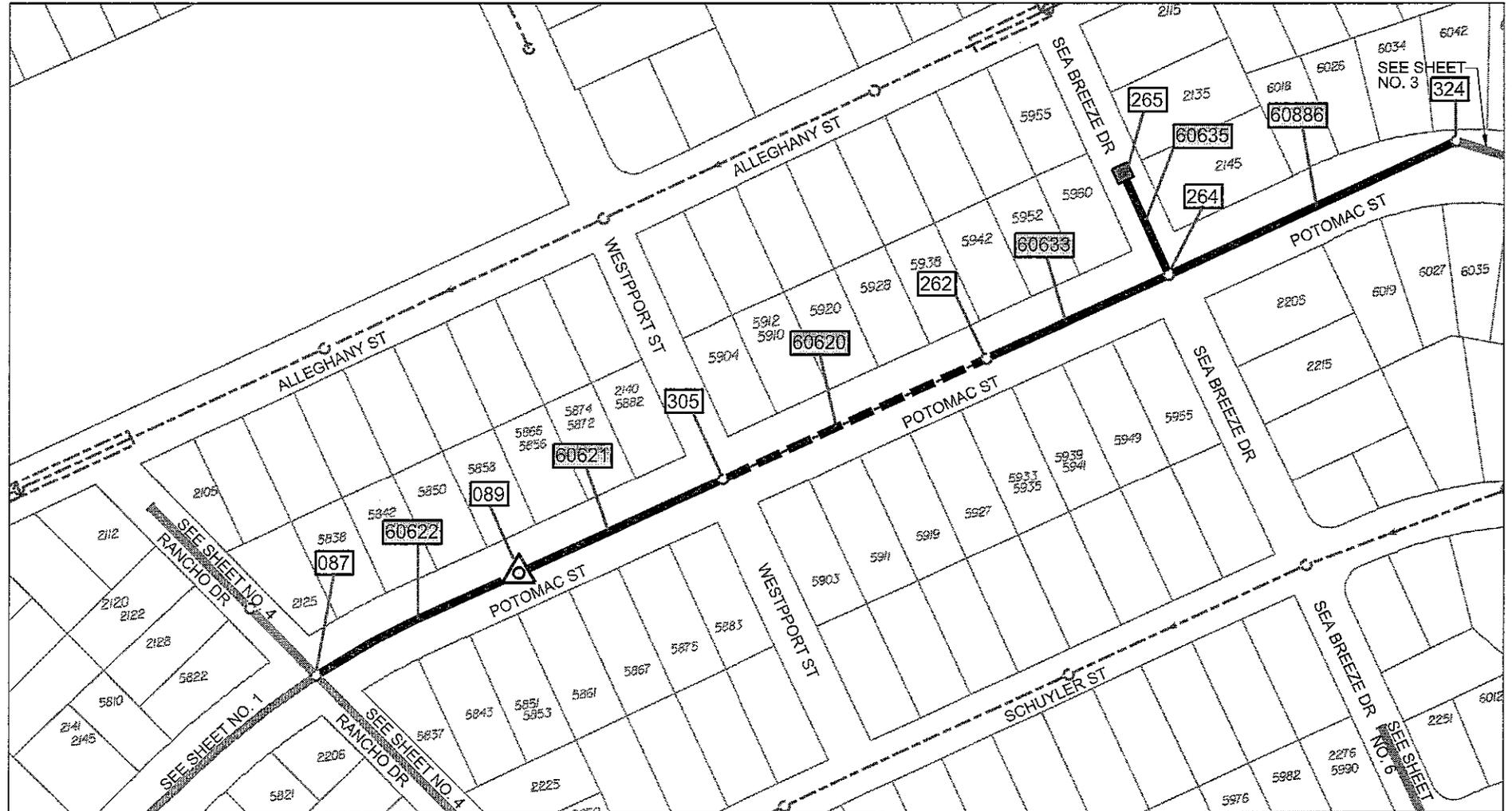
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EXISTING SEWER			INSTALL NEW MANHOLE		POINT REPAIR MANHOLE
PROPOSED SEWER REHABILITATION			REHABILITATE SEWER MANHOLE		FSN (Facility Sequence Number)
PROPOSED SWR MAIN REPLACEMENT			INSTALL NEW CLEANOUT		MAP ID NUMBER



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



Legend

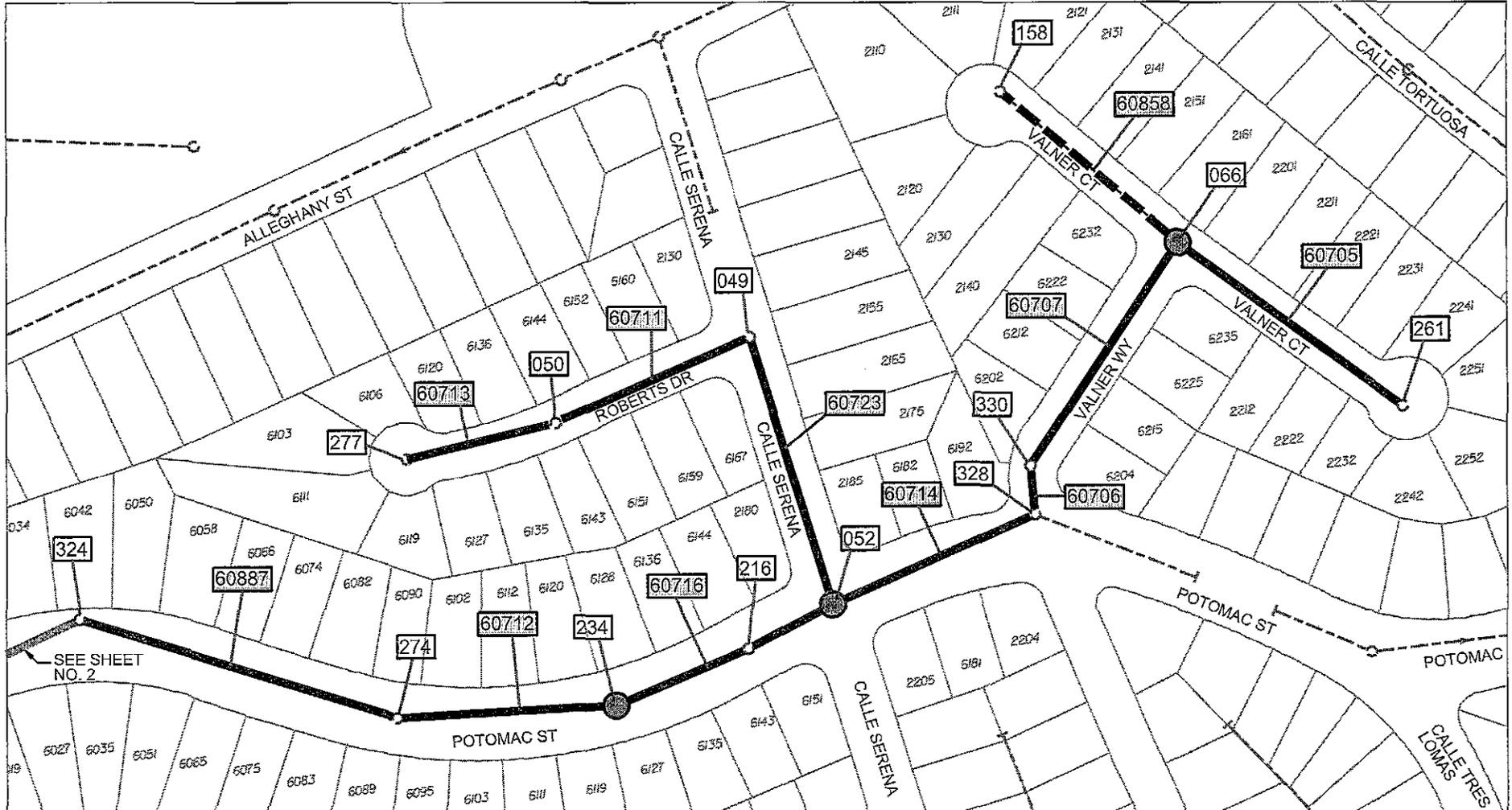
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| PROPOSED SEWER REHABILITATION | | INSTALL NEW MANHOLE | |
| PROPOSED SWR MAIN REPLACEMENT | | REHABILITATE SEWER MANHOLE | |
| | | INSTALL NEW CLEANOUT | |



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



Legend

CONCRETE ENCASED
 EXISTING SEWER
 PROPOSED SEWER REHABILITATION
 PROPOSED SWR MAIN REPLACEMENT

⊗ REPLACE SEWER MANHOLE
 ○ INSTALL NEW MANHOLE
 ● REHABILITATE SEWER MANHOLE
 ■ INSTALL NEW CLEANOUT

PROP. SWR REHAB WITH POINT REPAIR
 ▲ POINT REPAIR MANHOLE
 12345 FSN (Facility Sequence Number)
 012 MAP ID NUMBER



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



Legend

- CONCRETE ENCASED EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- PROPOSED SWR MAIN REPLACEMENT
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- REHABILITATE SEWER MANHOLE
- INSTALL NEW CLEANOUT
- PROP. SWR REHAB WITH POINT REPAIR
- POINT REPAIR MANHOLE
- 12345 FSN (Facility Sequence Number)
- 012 MAP ID NUMBER



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1

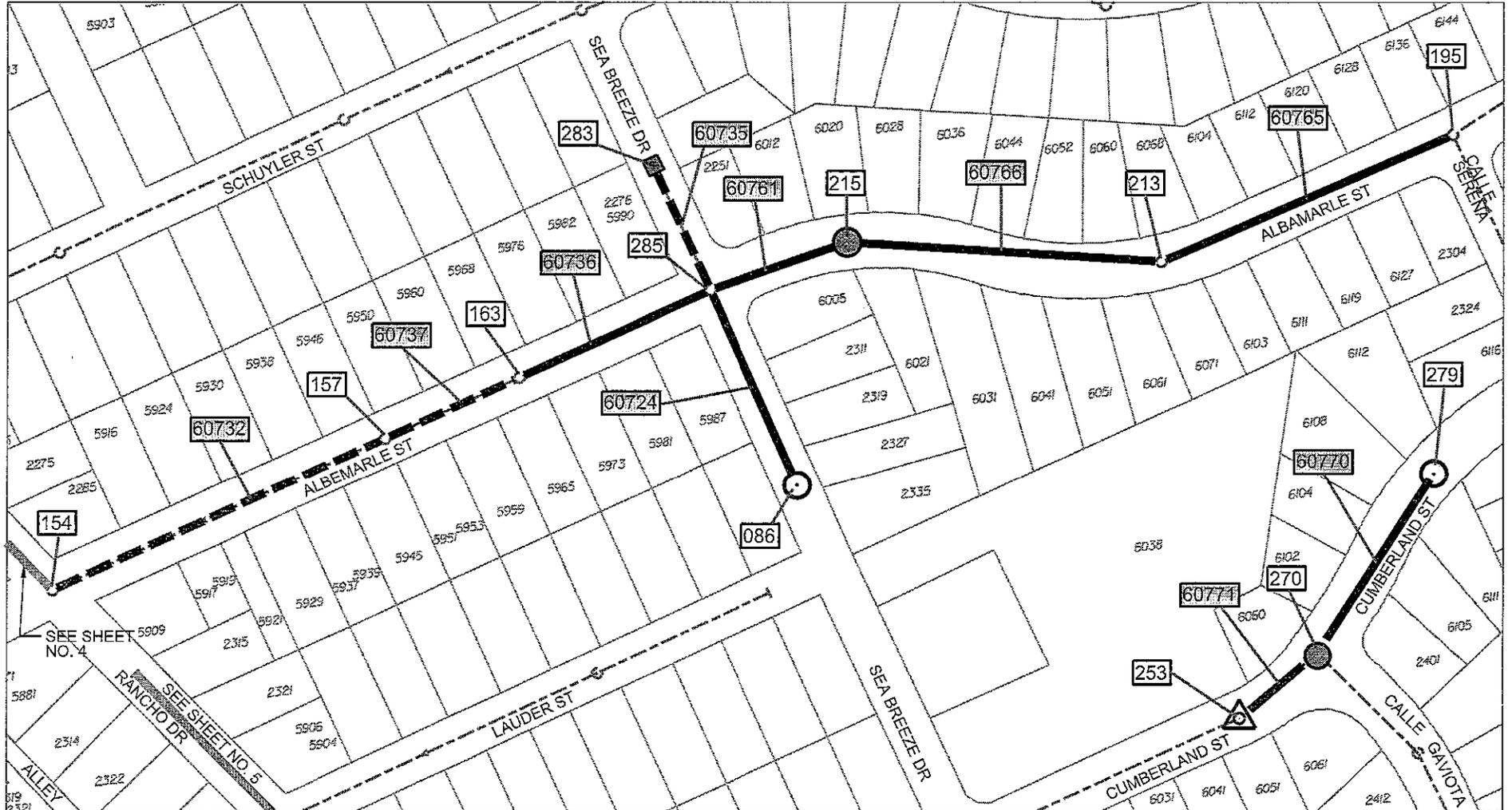


Legend CONCRETE ENCASED EXISTING SEWER PROPOSED SEWER REHABILITATION PROPOSED SWR MAIN REPLACEMENT	REPLACE SEWER MANHOLE	PROP. SWR REHAB WITH POINT REPAIR	NOT TO SCALE SD Public Works
	INSTALL NEW MANHOLE	POINT REPAIR MANHOLE	
	REHABILITATE SEWER MANHOLE	12345 FSN (Facility Sequence Number)	
	INSTALL NEW CLEANOUT	012 MAP ID NUMBER	

COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



Legend

- CONCRETE ENCASED EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- PROPOSED SWR MAIN REPLACEMENT

- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- REHABILITATE SEWER MANHOLE
- INSTALL NEW CLEANOUT

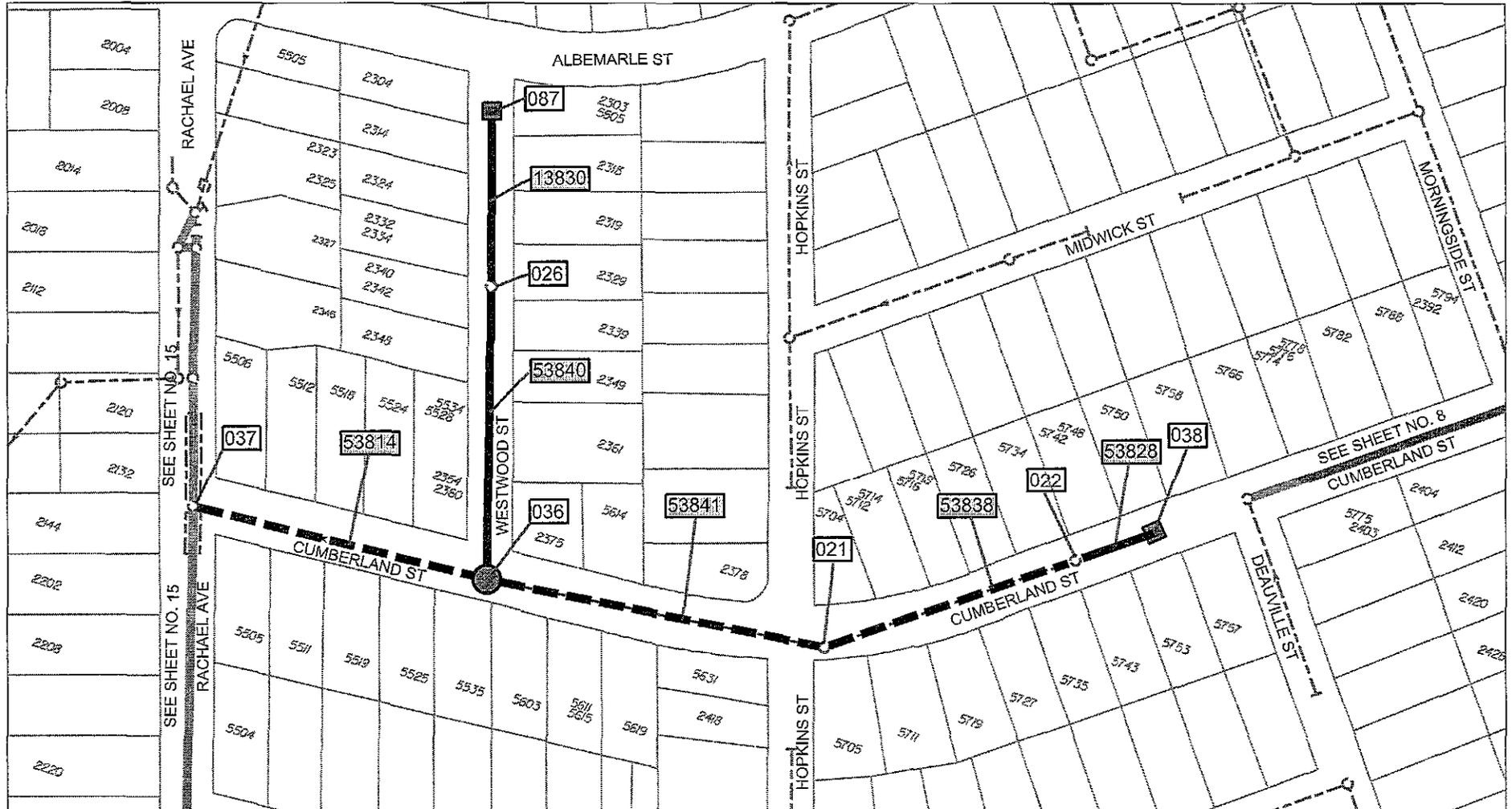
- PROP. SWR REHAB WITH POINT REPAIR
- POINT REPAIR MANHOLE
- 12345 FSN (Facility Sequence Number)
- 012 MAP ID NUMBER



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



<p>Legend</p> <p>CONCRETE ENCASED EXISTING SEWER</p> <p>PROPOSED SEWER REHABILITATION</p> <p>PROPOSED SWR MAIN REPLACEMENT</p>	REPLACE SEWER MANHOLE	<p>PROP. SWR REHAB WITH POINT REPAIR</p> POINT REPAIR MANHOLE	NOT TO SCALE	
	INSTALL NEW MANHOLE	REHABILITATE SEWER MANHOLE		FSN (Facility Sequence Number)
	INSTALL NEW CLEANOUT	MAP ID NUMBER		SD Public Works

COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

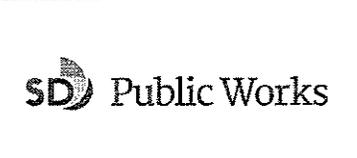
THOMAS BROS. MAP: PAGE 1310-C1



- Legend**
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 - PROPOSED SEWER REHABILITATION
 - PROPOSED SWR MAIN REPLACEMENT

- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- REHABILITATE SEWER MANHOLE
- INSTALL NEW CLEANOUT

- PROP. SWR REHAB WITH POINT REPAIR
- POINT REPAIR MANHOLE
 - 12345 FSN (Facility Sequence Number)
 - 012 MAP ID NUMBER



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



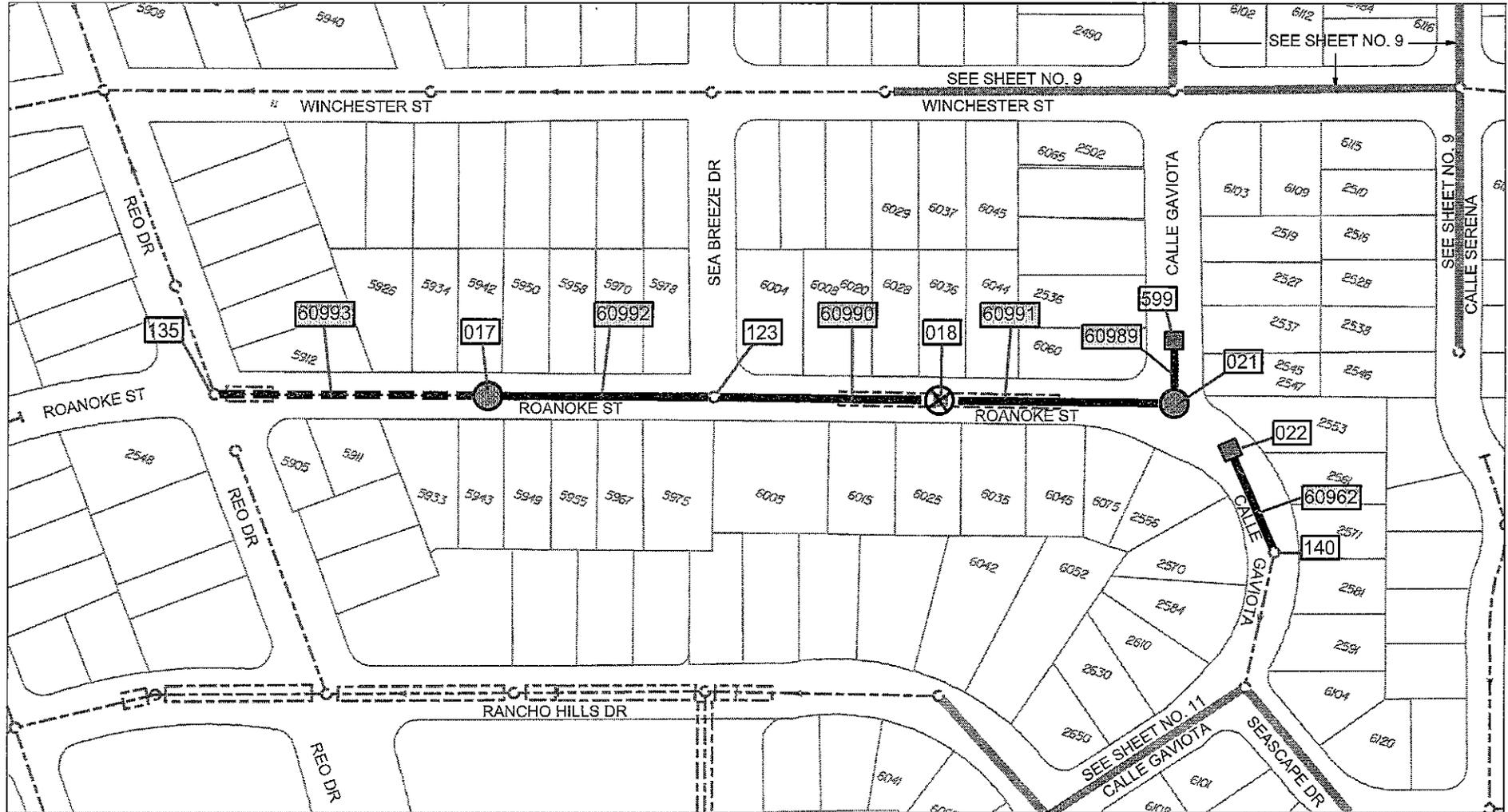
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- PROPOSED SEWER REHABILITATION
- PROPOSED SWR MAIN REPLACEMENT
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- REHABILITATE SEWER MANHOLE
- INSTALL NEW CLEANOUT

PROP. SWR REHAB WITH POINT REPAIR

- POINT REPAIR MANHOLE
- 12345 FSN (Facility Sequence Number)
- 012 MAP ID NUMBER





Legend

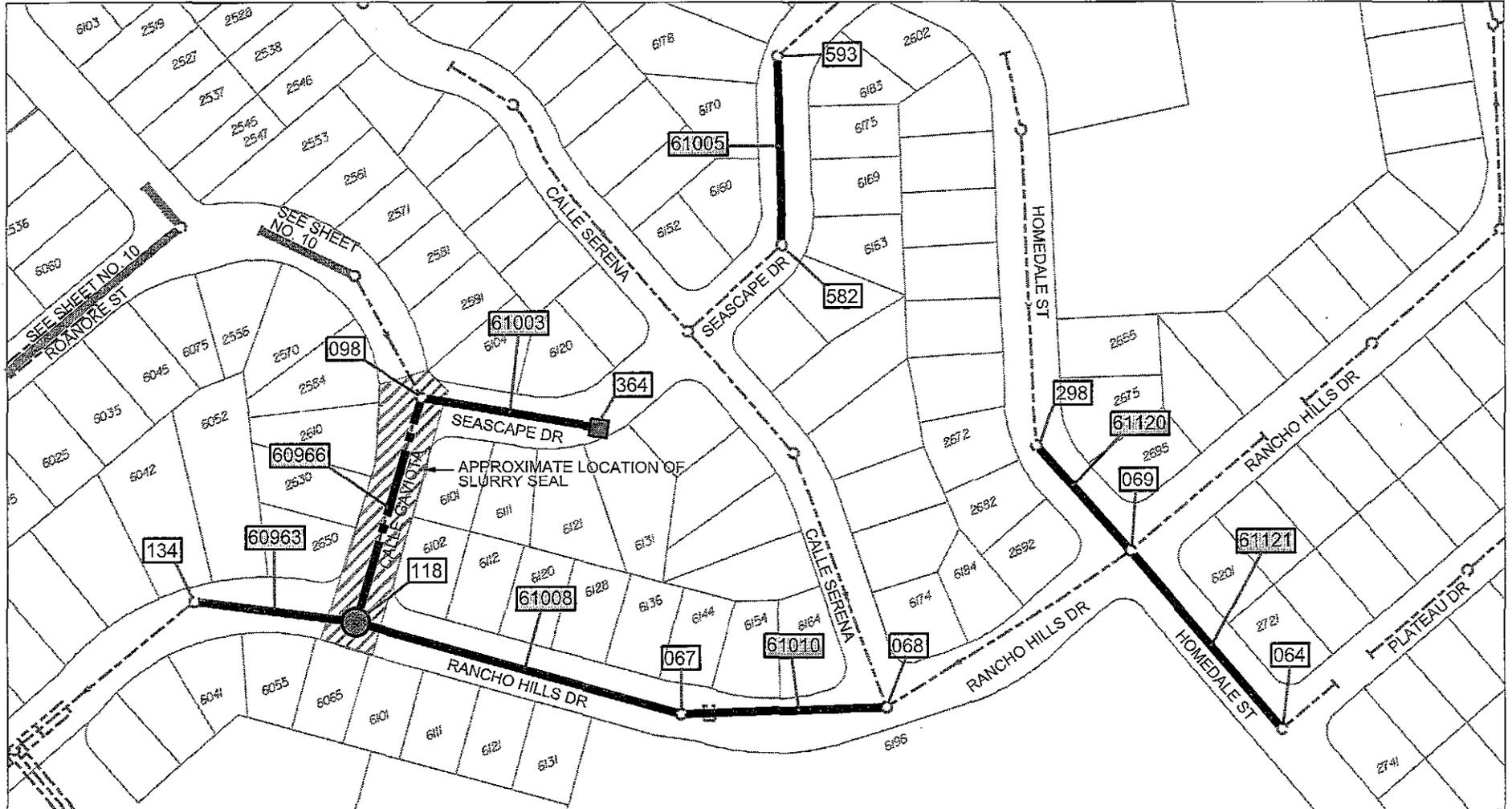
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EXISTING SEWER
PROPOSED SEWER REHABILITATION
PROPOSED SWR MAIN REPLACEMENT</p> | <p>REPLACE SEWER MANHOLE
INSTALL NEW MANHOLE
REHABILITATE SEWER MANHOLE
INSTALL NEW CLEANOUT</p> | <p>PROP. SWR REHAB WITH POINT REPAIR
POINT REPAIR MANHOLE
12345 FSN (Facility Sequence Number)
012 MAP ID NUMBER</p> |
|--|--|--|

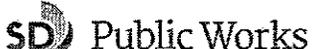


COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1

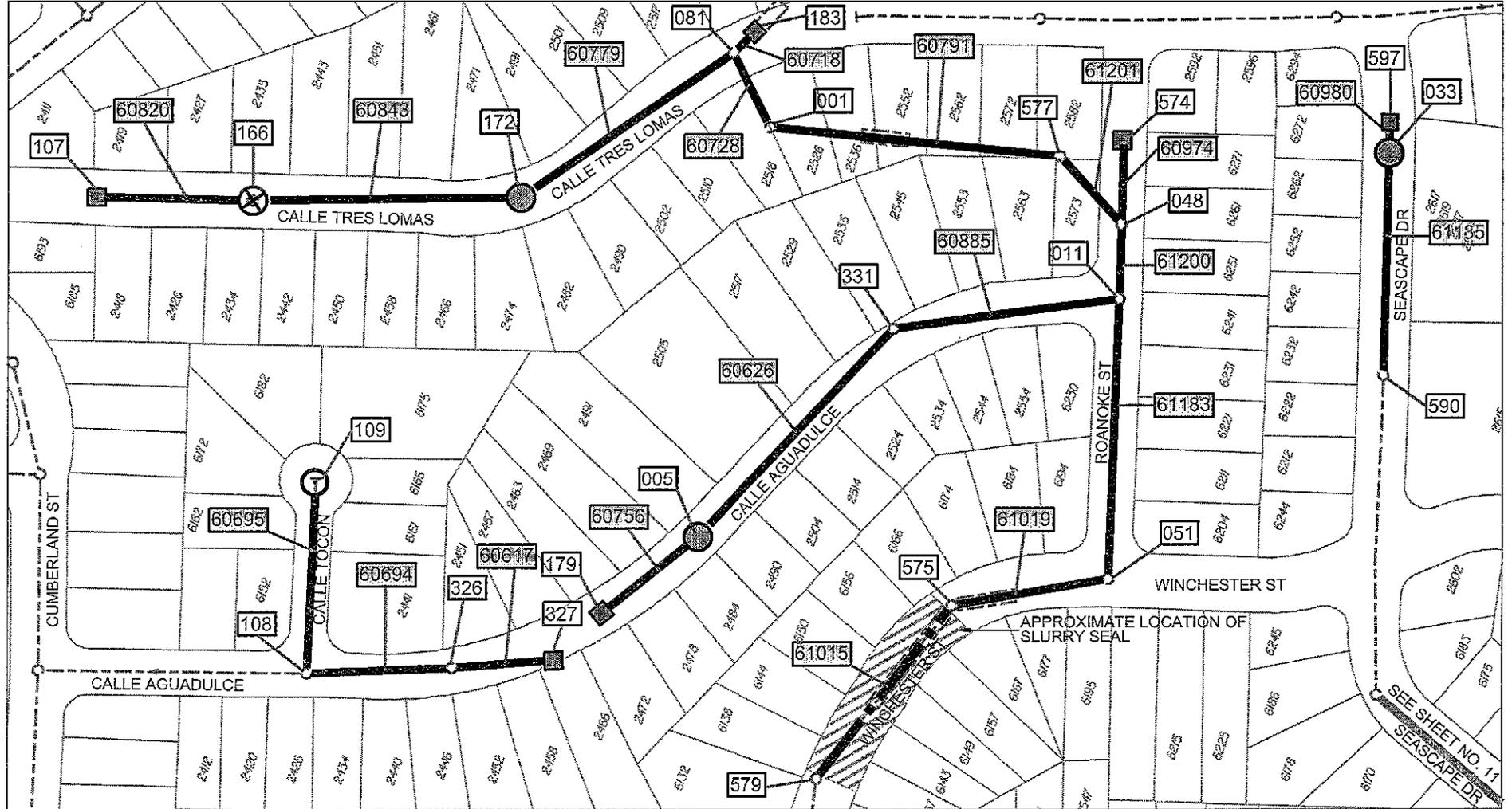


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COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1

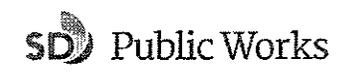
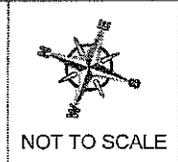


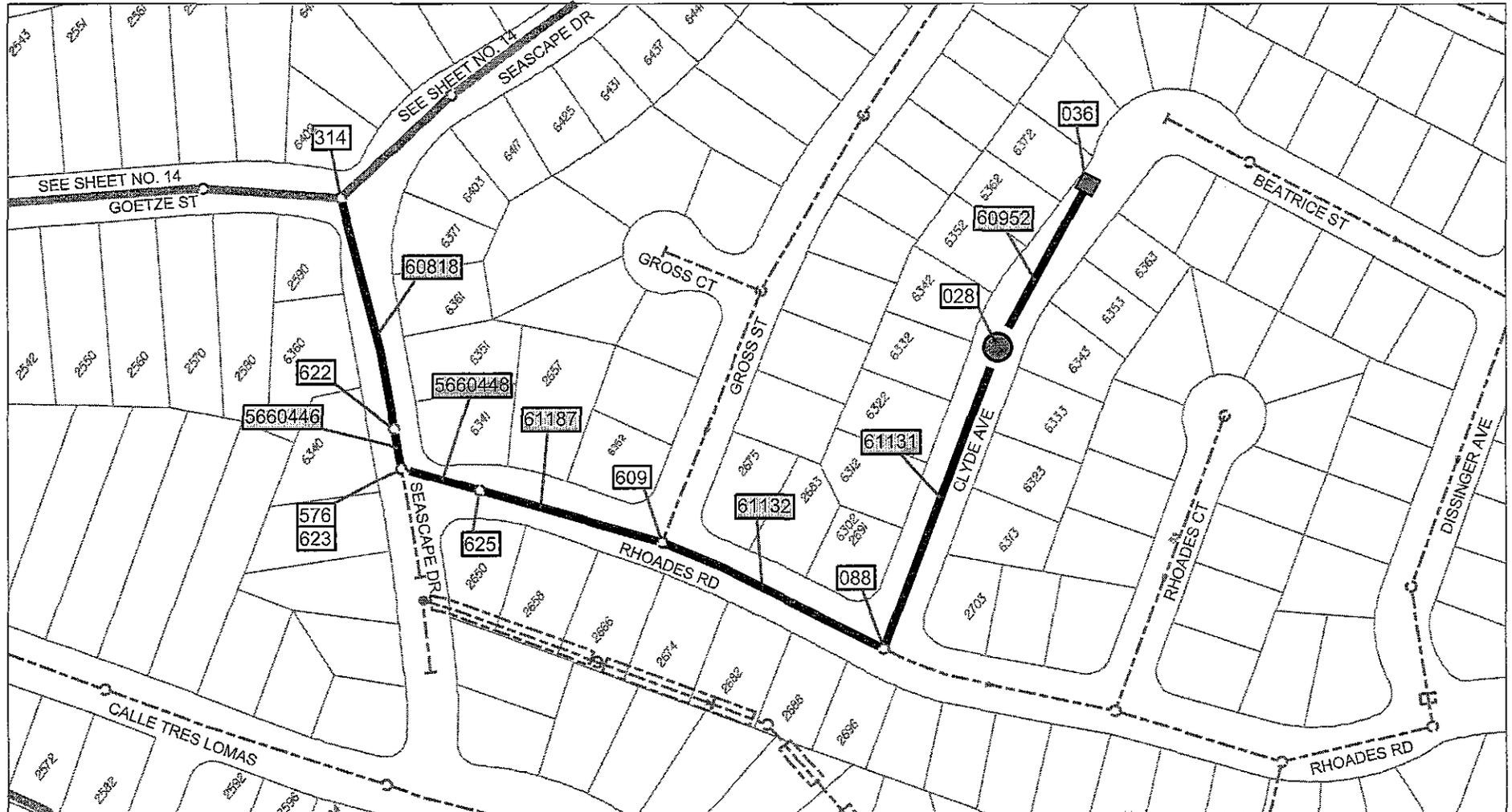
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CONCRETE ENCASED
 EXISTING SEWER
 PROPOSED SEWER REHABILITATION
 PROPOSED SWR MAIN REPLACEMENT

REPLACE SEWER MANHOLE
 INSTALL NEW MANHOLE
 REHABILITATE SEWER MANHOLE
 INSTALL NEW CLEANOUT

PROP. SWR REHAB WITH POINT REPAIR
 POINT REPAIR MANHOLE
 12345 FSN (Facility Sequence Number)
 012 MAP ID NUMBER





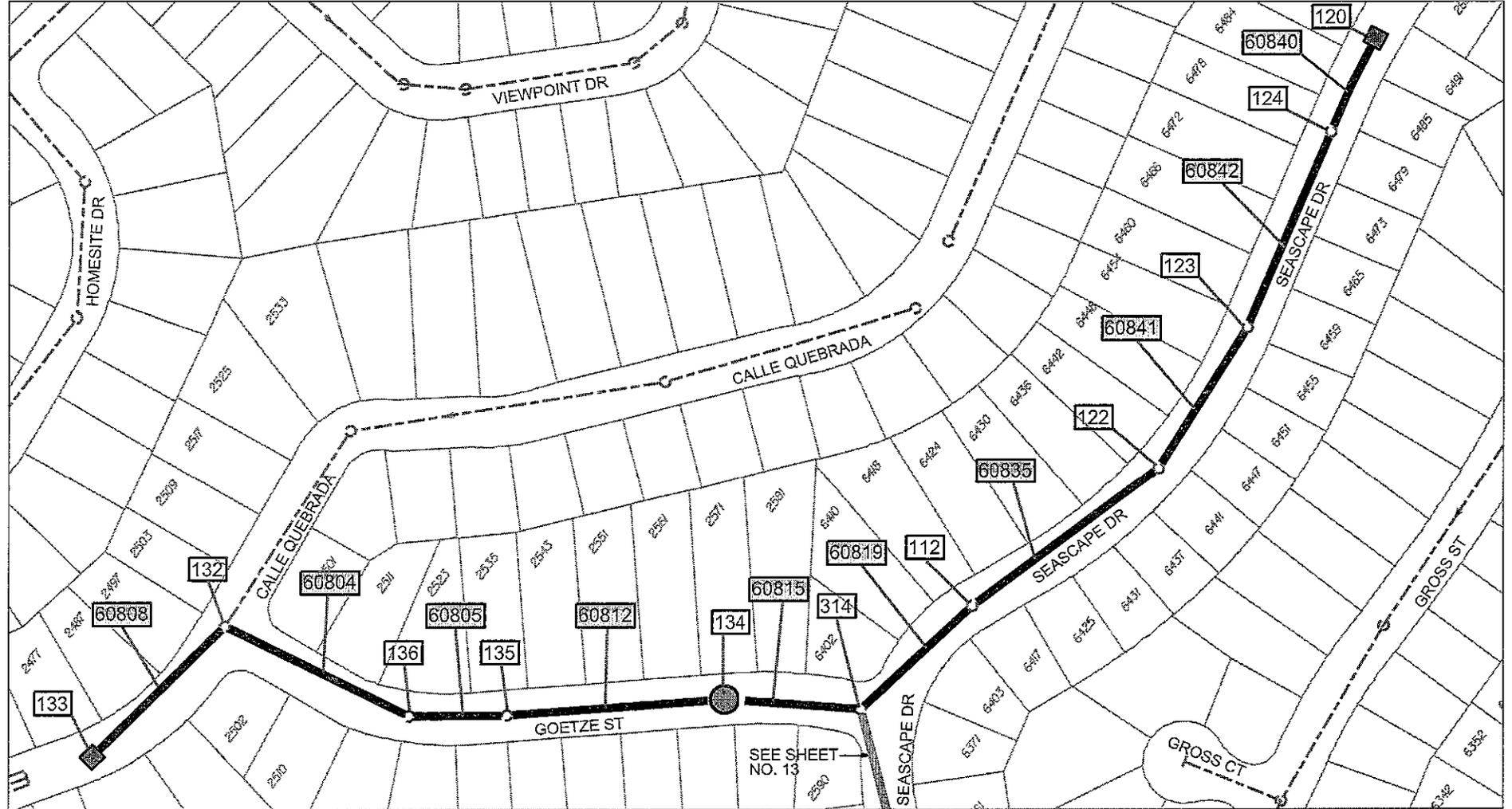
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	INSTALL NEW MANHOLE	POINT REPAIR MANHOLE	
	REHABILITATE SEWER MANHOLE	12345 FSN (Facility Sequence Number)	
	INSTALL NEW CLEANOUT	012 MAP ID NUMBER	



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-E1



Legend

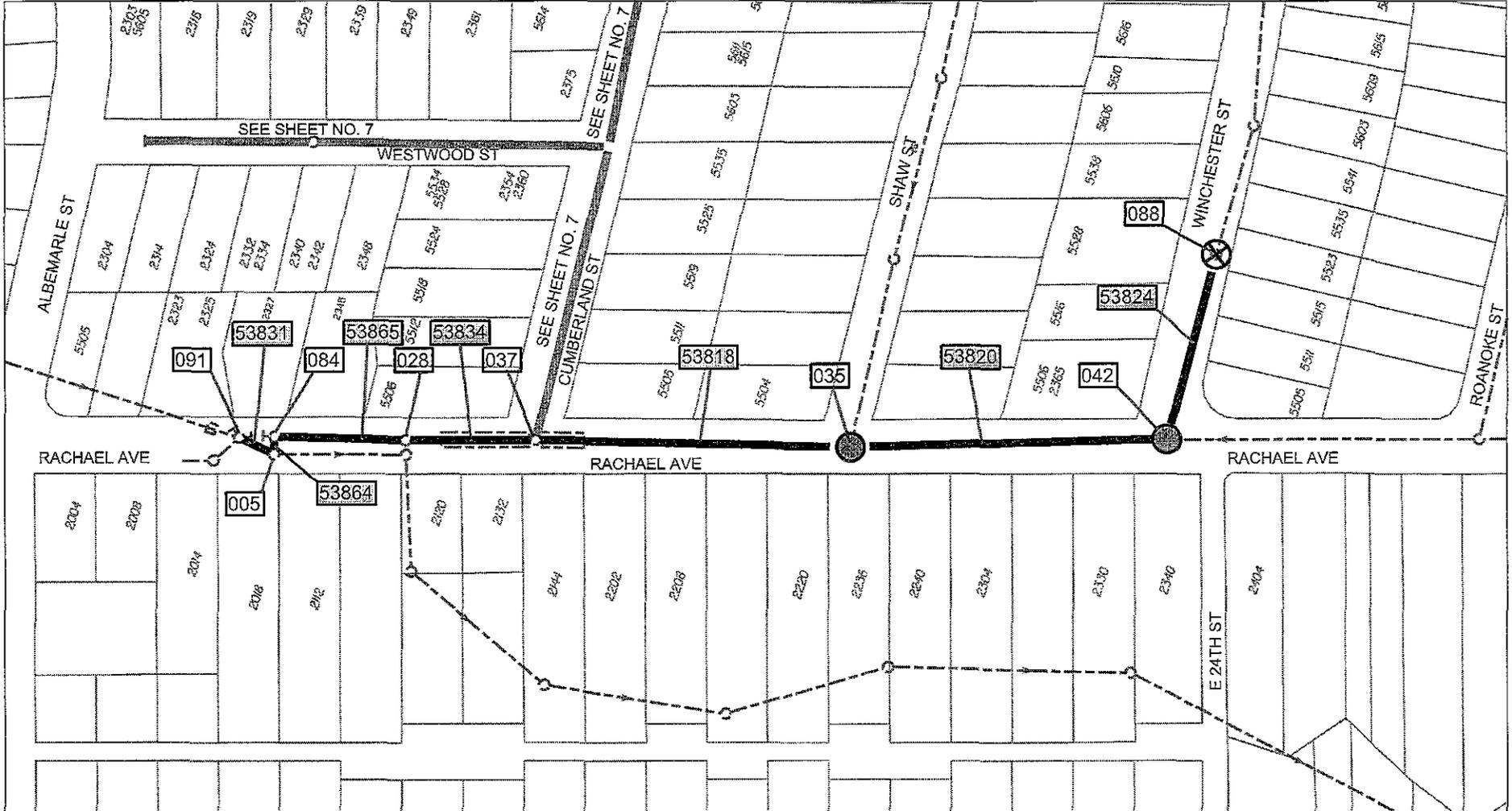
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| CONCRETE ENCASED EXISTING SEWER | | REPLACE SEWER MANHOLE |
| PROPOSED SEWER REHABILITATION | | INSTALL NEW MANHOLE |
| PROPOSED SWR MAIN REPLACEMENT | | REHABILITATE SEWER MANHOLE |
| | | INSTALL NEW CLEANOUT |
| | | PROP. SWR REHAB WITH POINT REPAIR
POINT REPAIR MANHOLE |
| | | 12345 FSN (Facility Sequence Number) |
| | | 012 MAP ID NUMBER |



COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-E1



Legend	CONCRETE ENCASED	REPLACE SEWER MANHOLE	PROP. SWR REHAB WITH POINT REPAIR
EXISTING SEWER		INSTALL NEW MANHOLE	POINT REPAIR MANHOLE
PROPOSED SEWER REHABILITATION		REHABILITATE SEWER MANHOLE	FSN (Facility Sequence Number)
PROPOSED SWR MAIN REPLACEMENT		INSTALL NEW CLEANOUT	MAP ID NUMBER

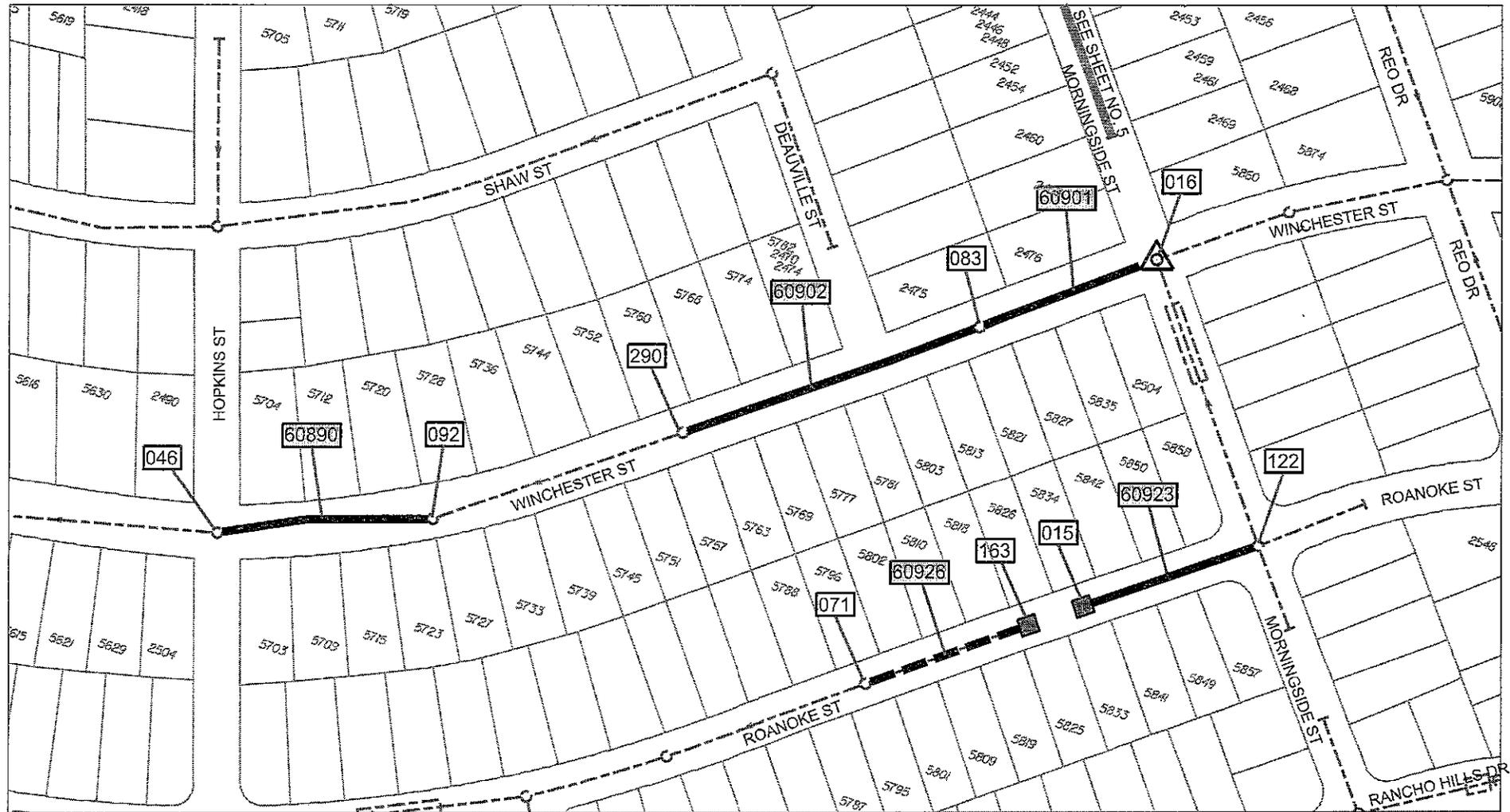


NOT TO SCALE

COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-C1



Legend

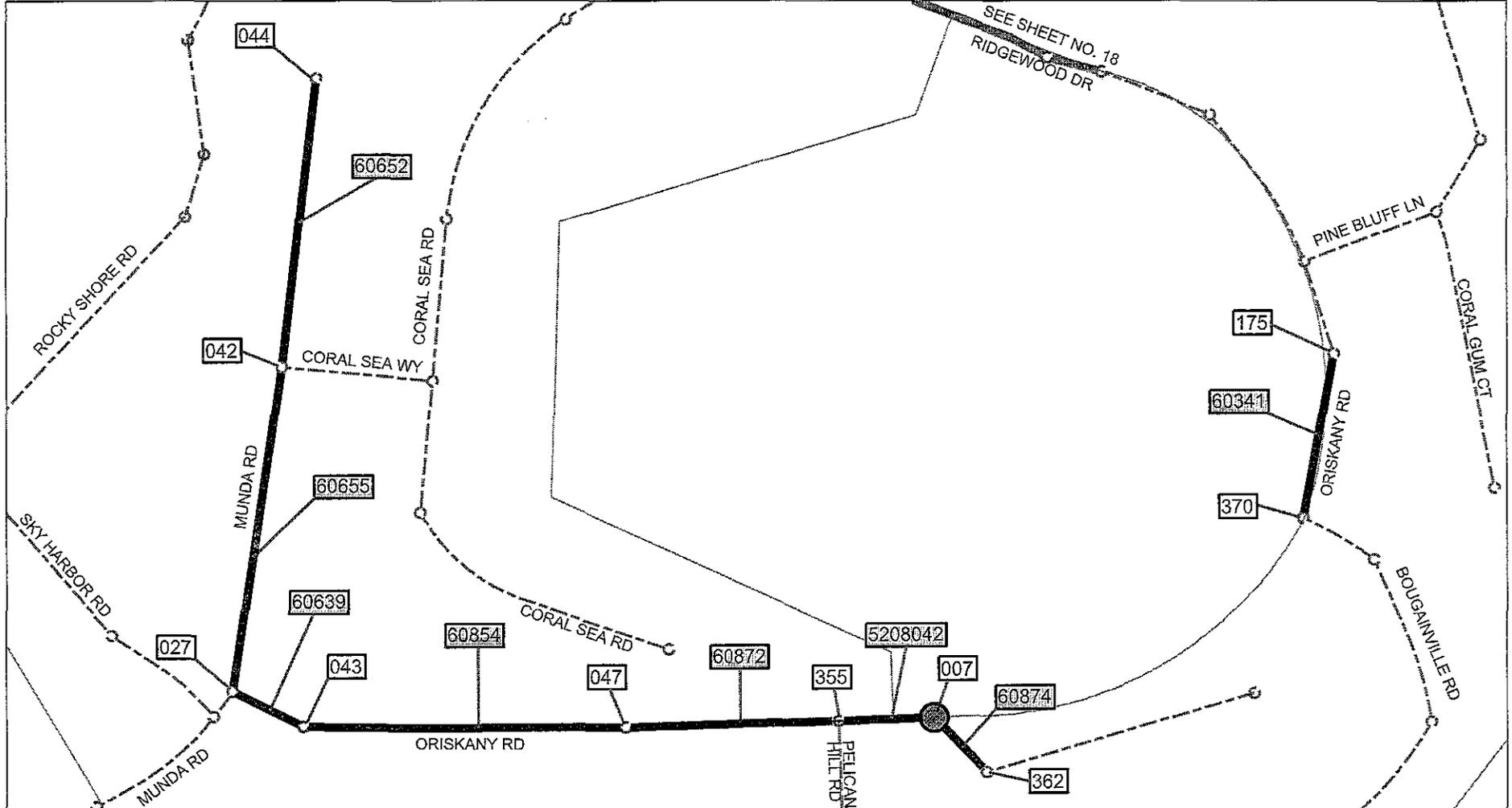
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| PROPOSED SEWER REHABILITATION | | INSTALL NEW MANHOLE | | POINT REPAIR MANHOLE |
| PROPOSED SWR MAIN REPLACEMENT | | REHABILITATE SEWER MANHOLE | | INSTALL NEW CLEANOUT |
| | | | | FSN (Facility Sequence Number) |
| | | | | MAP ID NUMBER |

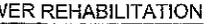


COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1

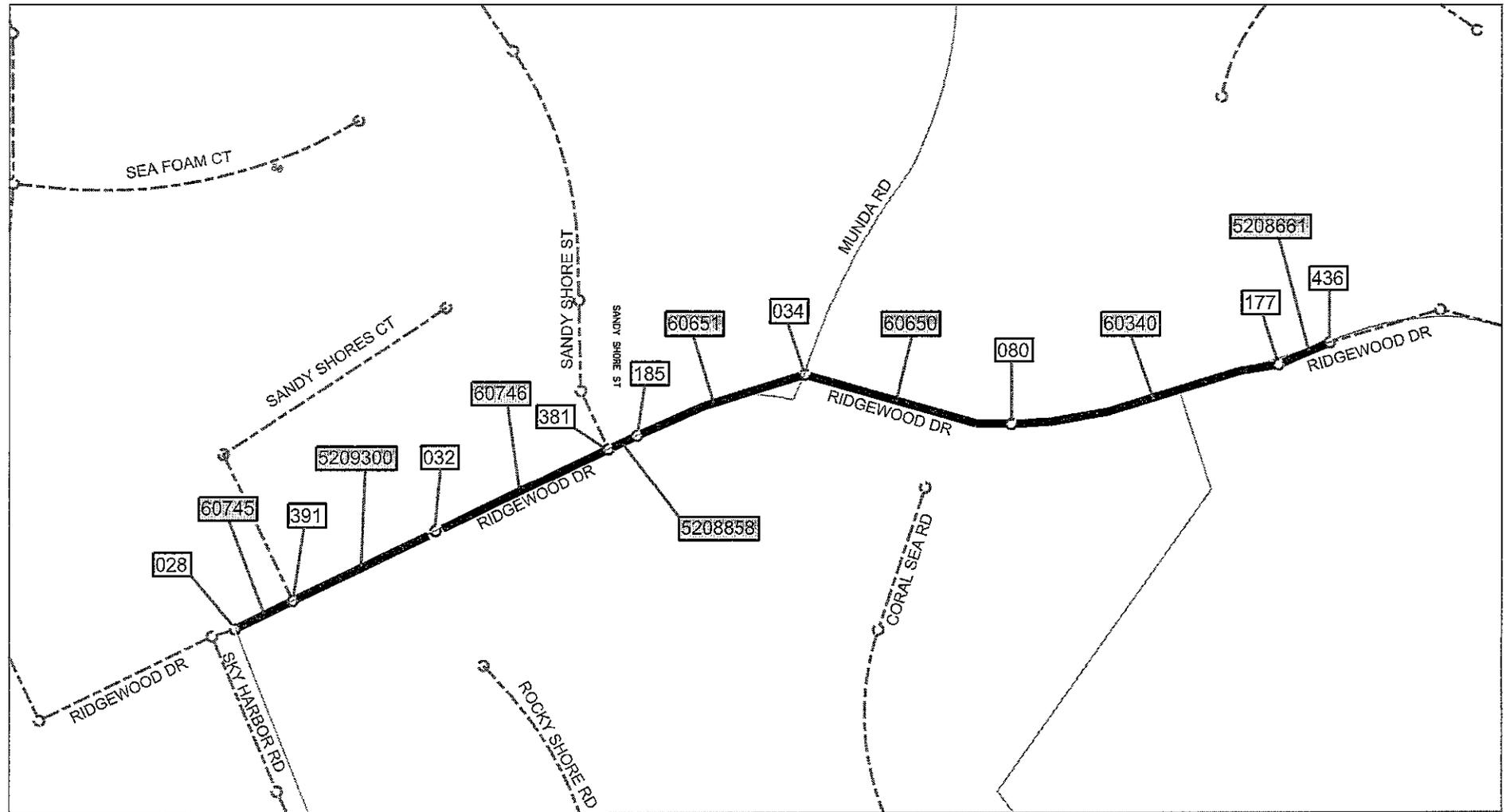


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EXISTING SEWER			REPLACE SEWER MANHOLE		POINT REPAIR MANHOLE		PROPOSED SEWER REHABILITATION		
PROPOSED SWR MAIN REPLACEMENT			INSTALL NEW MANHOLE		REHABILITATE SEWER MANHOLE		INSTALL NEW CLEANOUT	 FSN (Facility Sequence Number)	
								 MAP ID NUMBER	

COMMUNITY: PARADISE HILLS

COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1290-D7



Legend

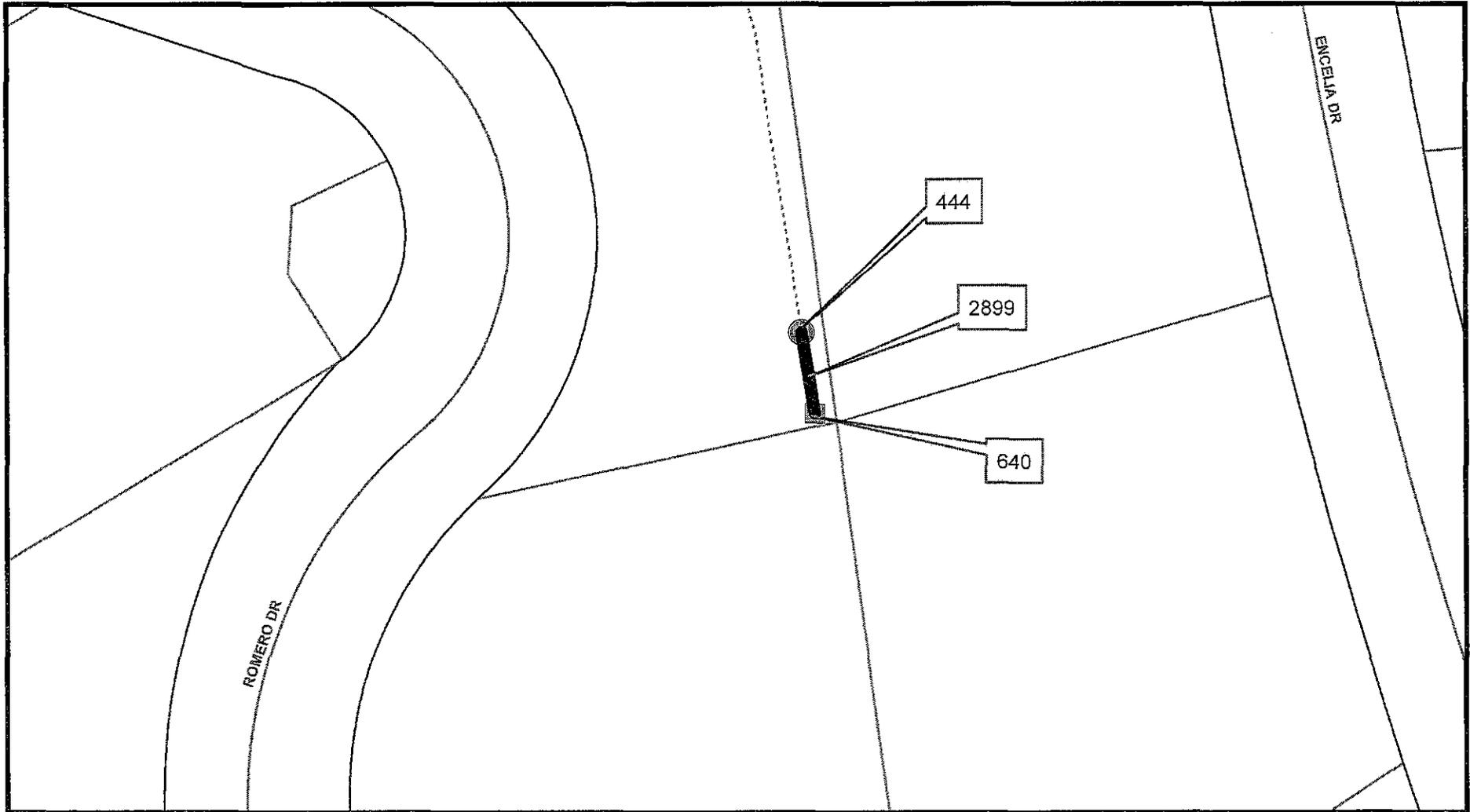
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COMMUNITY: PARADISE HILLS

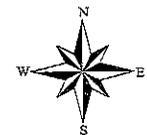
COUNCIL DISTRICT: 4

THOMAS BROS. MAP: PAGE 1310-D1



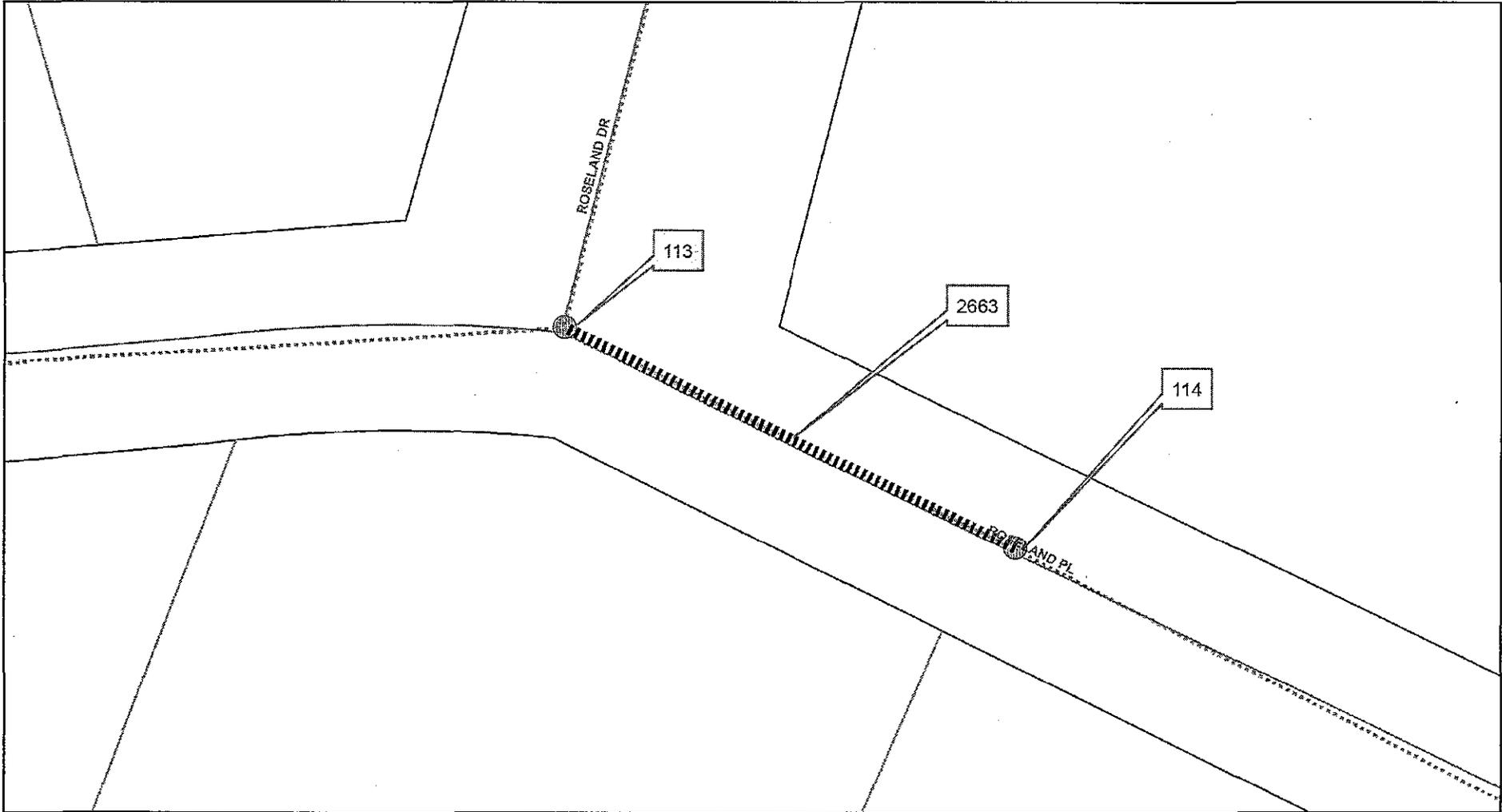
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-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE





Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Rehabilitate Sewer Manhole

Proposed Clean outs

Existing Sewer Mains

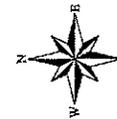
REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

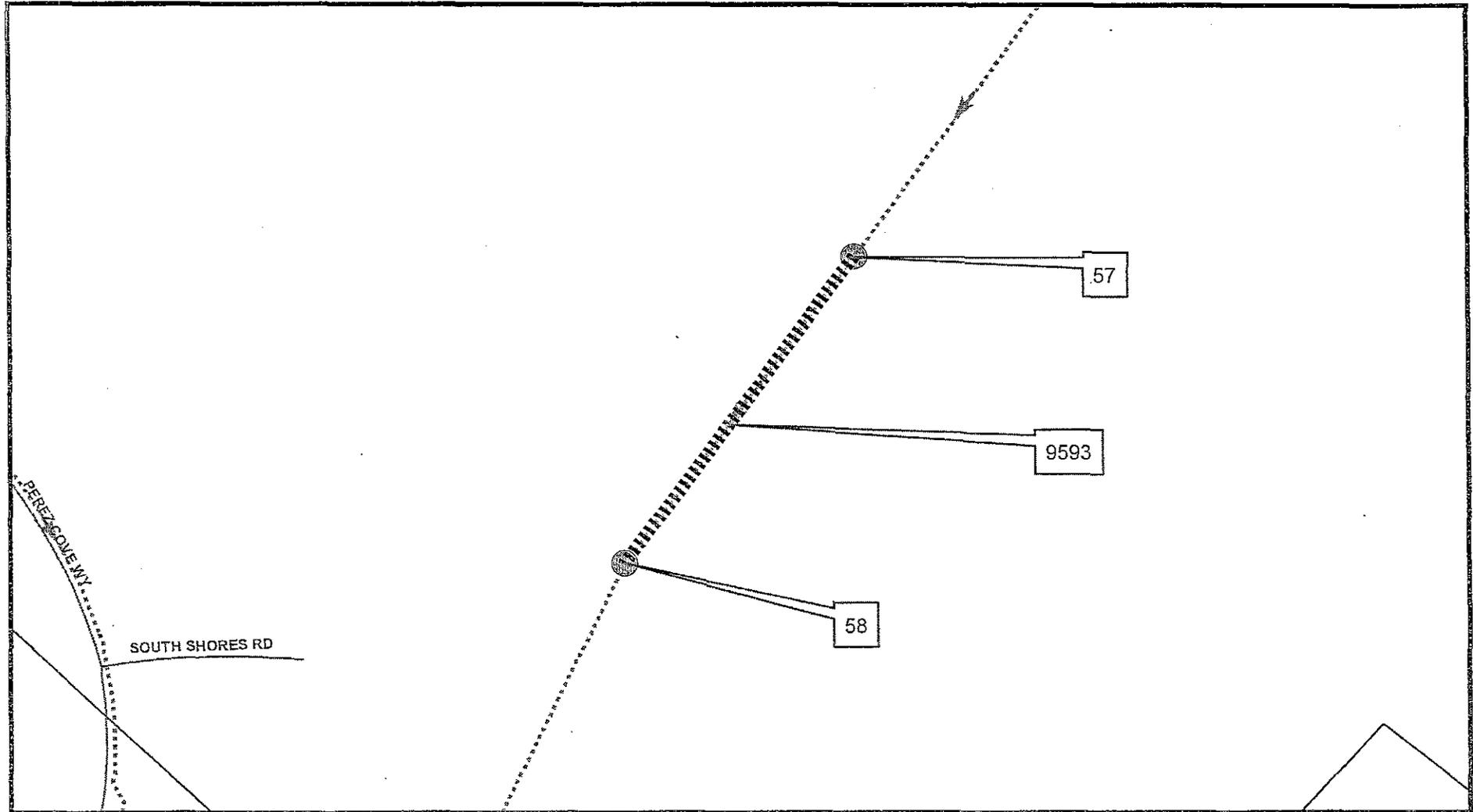
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MAP ID NUMBER



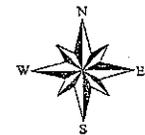
NOT TO SCALE

The City of **SAN DIEGO** Public Works



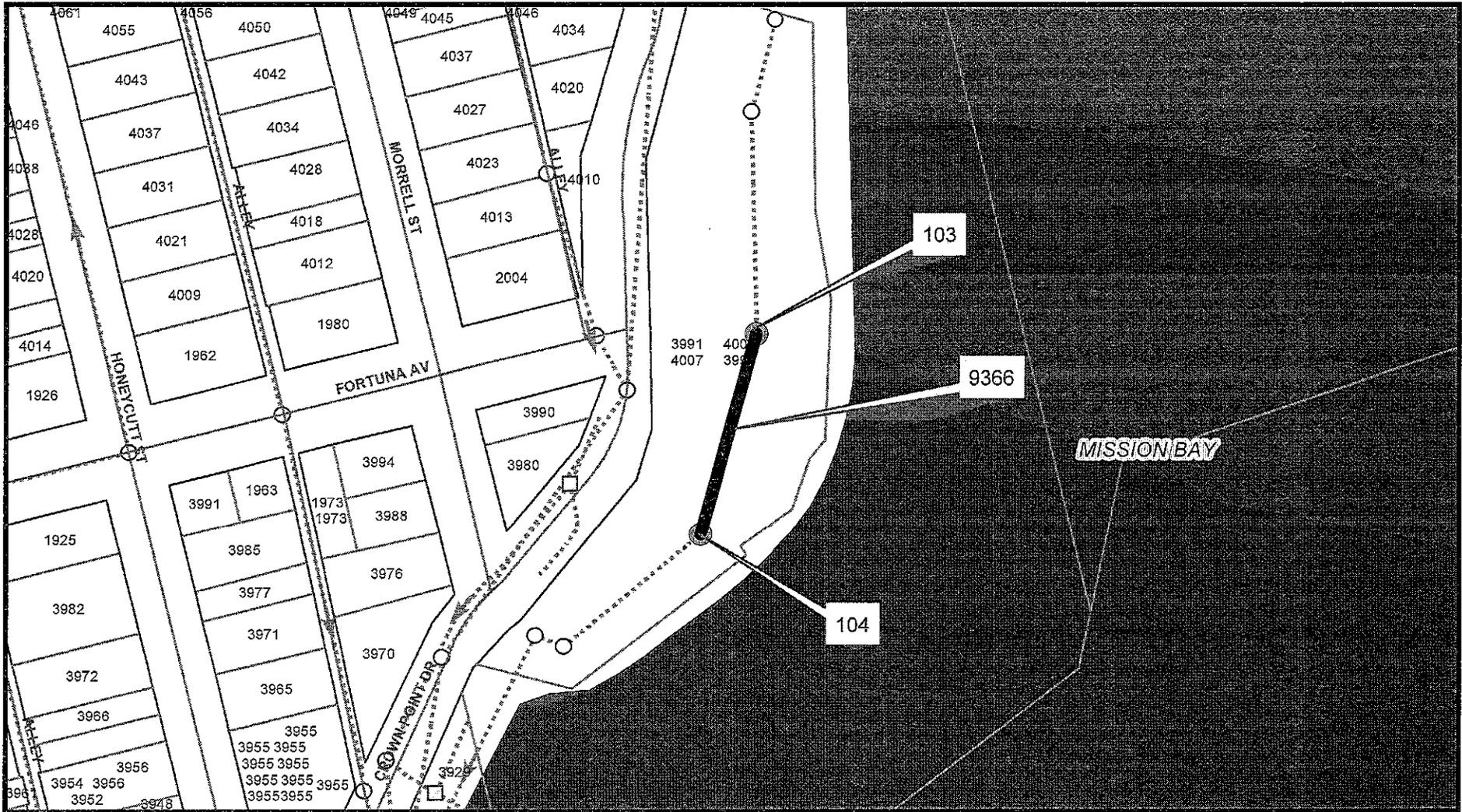
Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

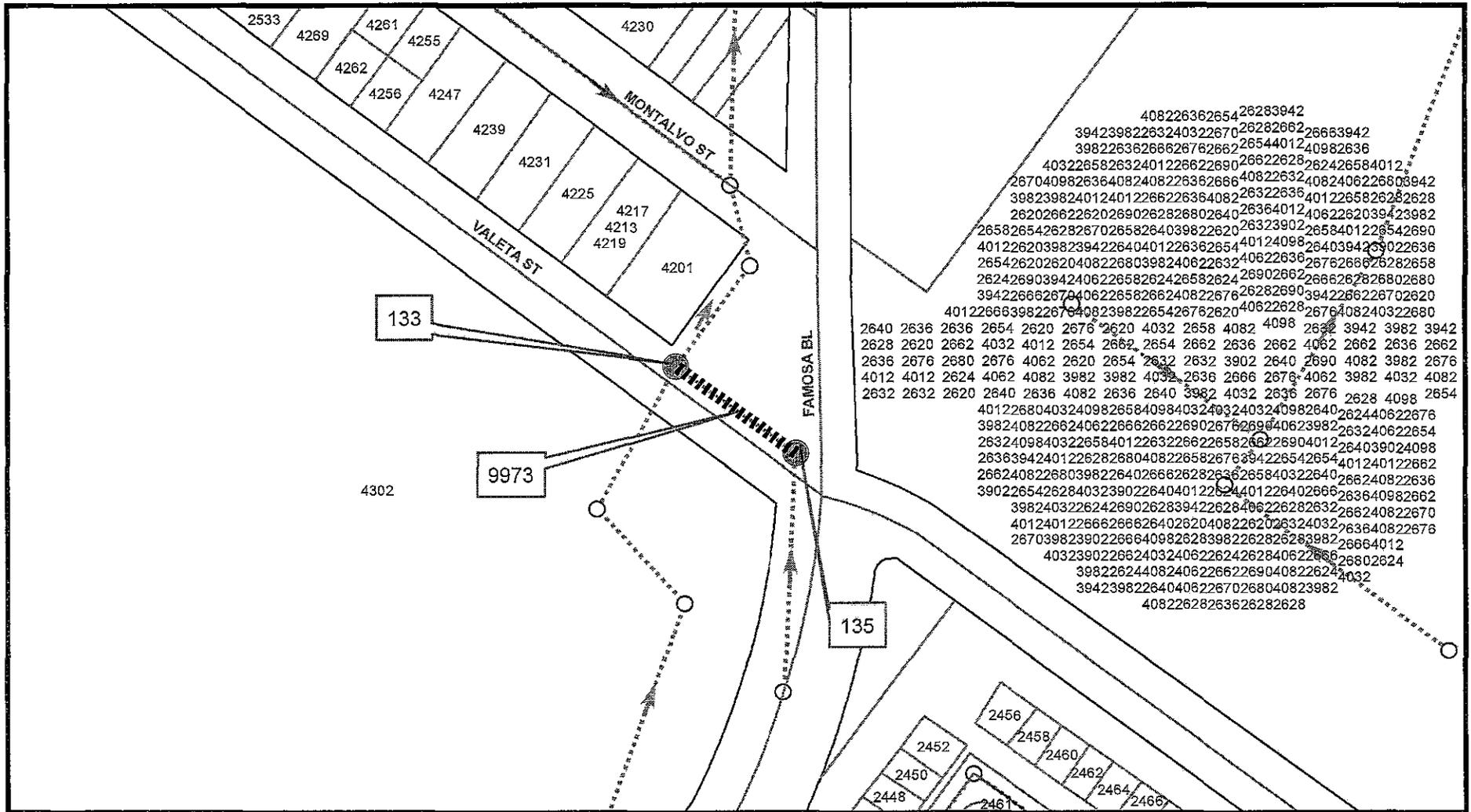
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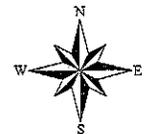
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The City of **SAN DIEGO** Public Works



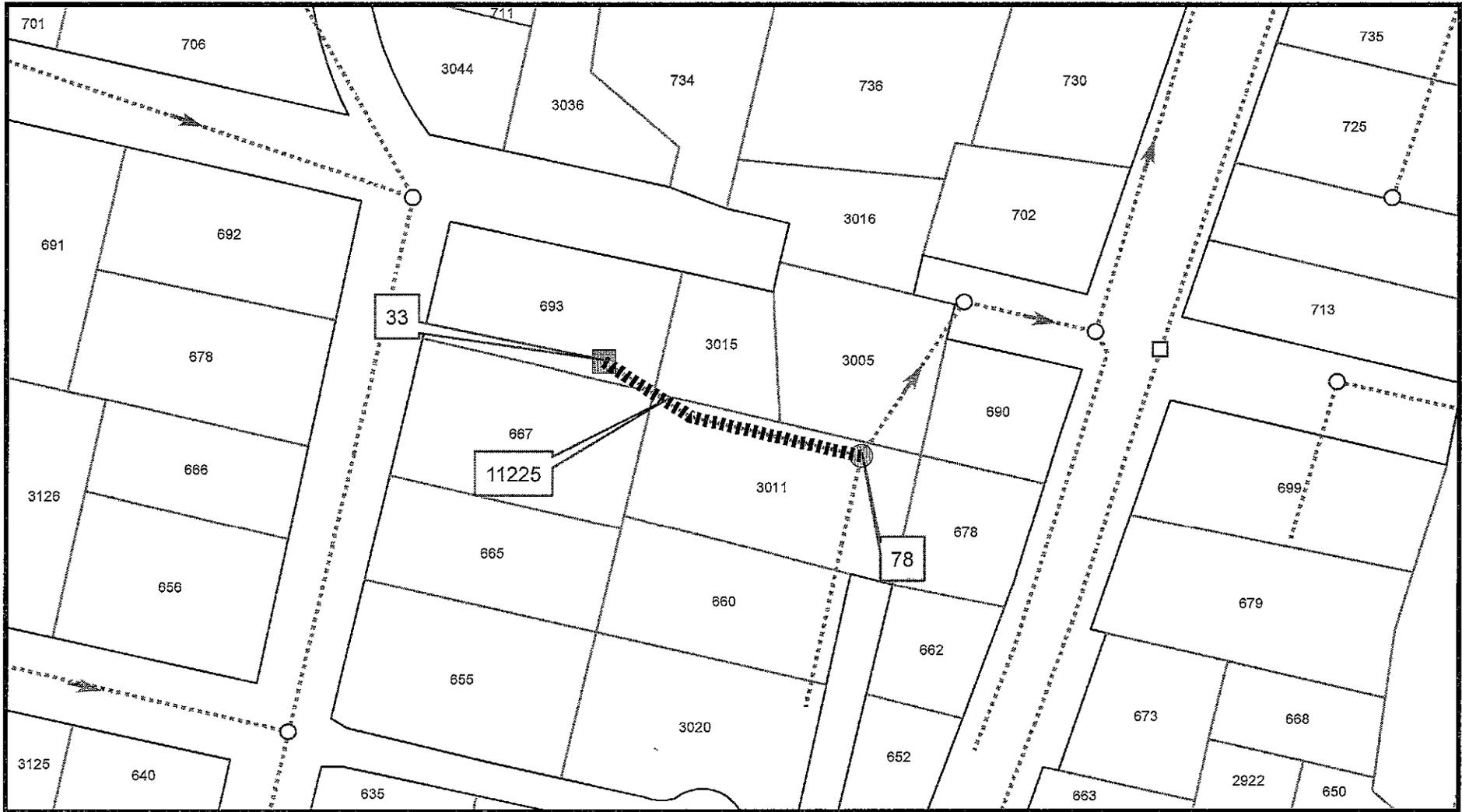
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-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

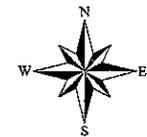
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INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

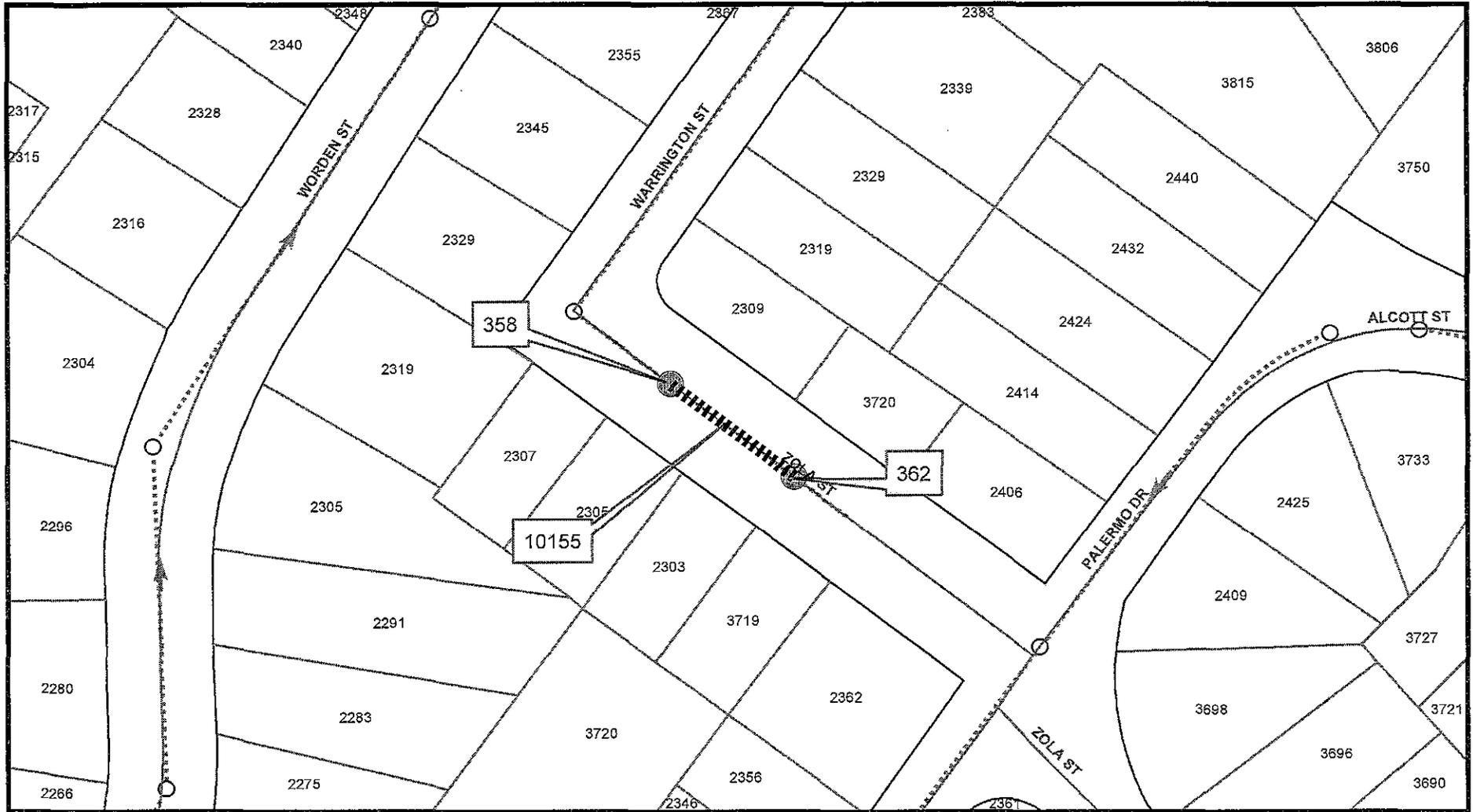
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(Facility Sequence Number)

MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

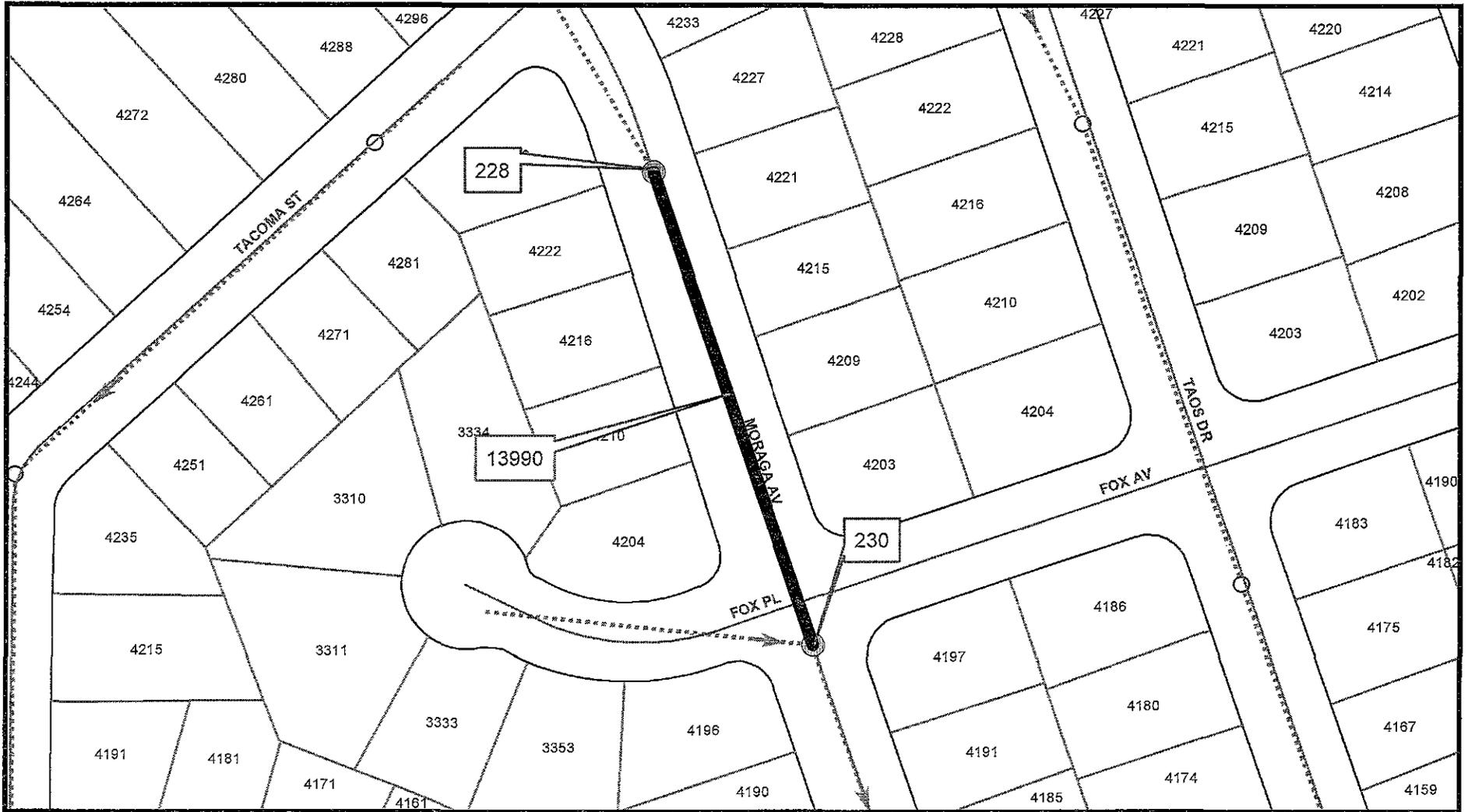
FSN
(Facility Sequence Number)

MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

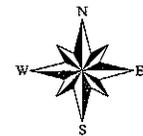
REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

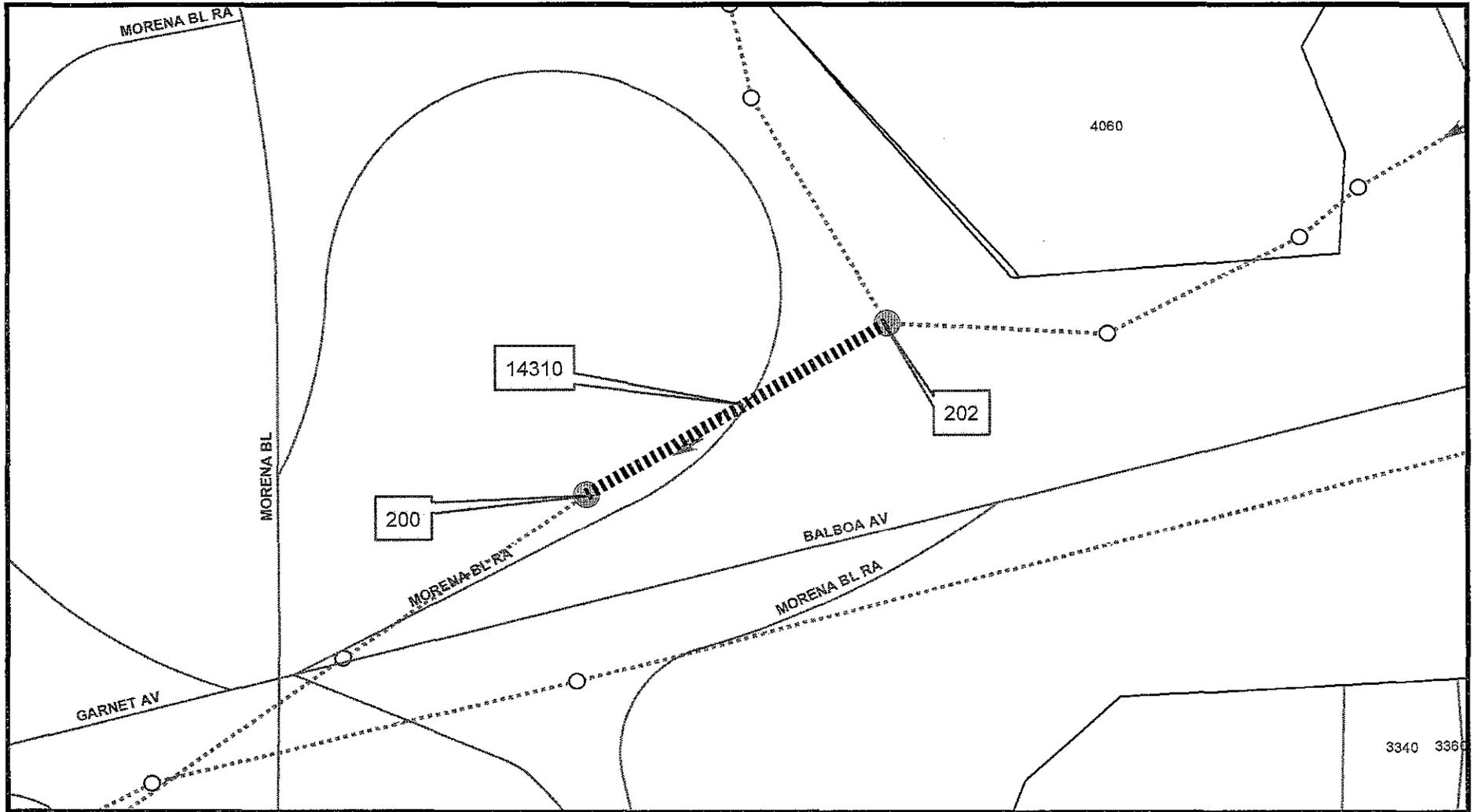
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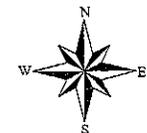
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The City of **SAN DIEGO** Public Works



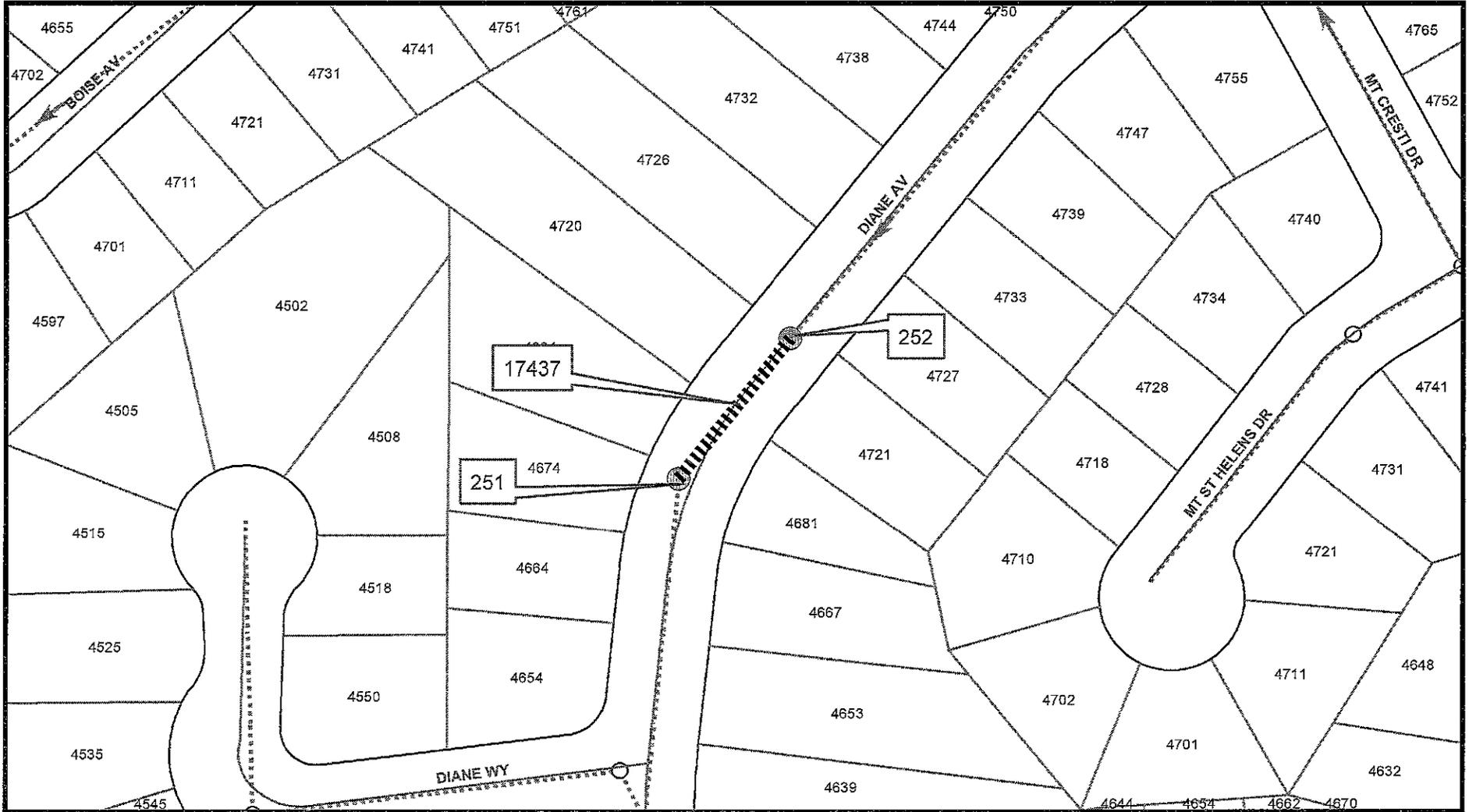
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-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of
SAN DIEGO Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

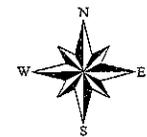
REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

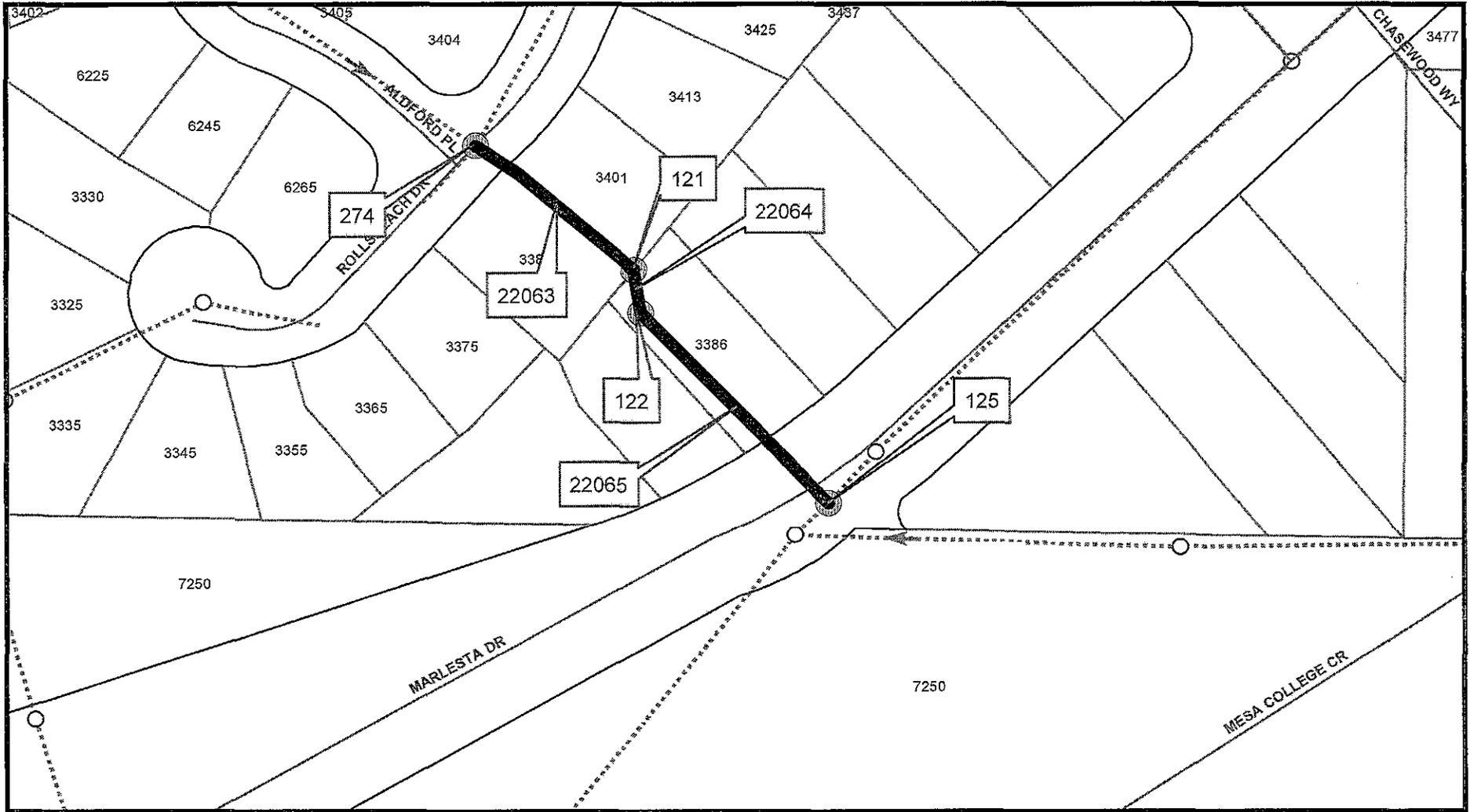
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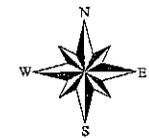
NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER

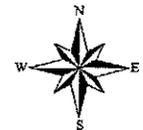


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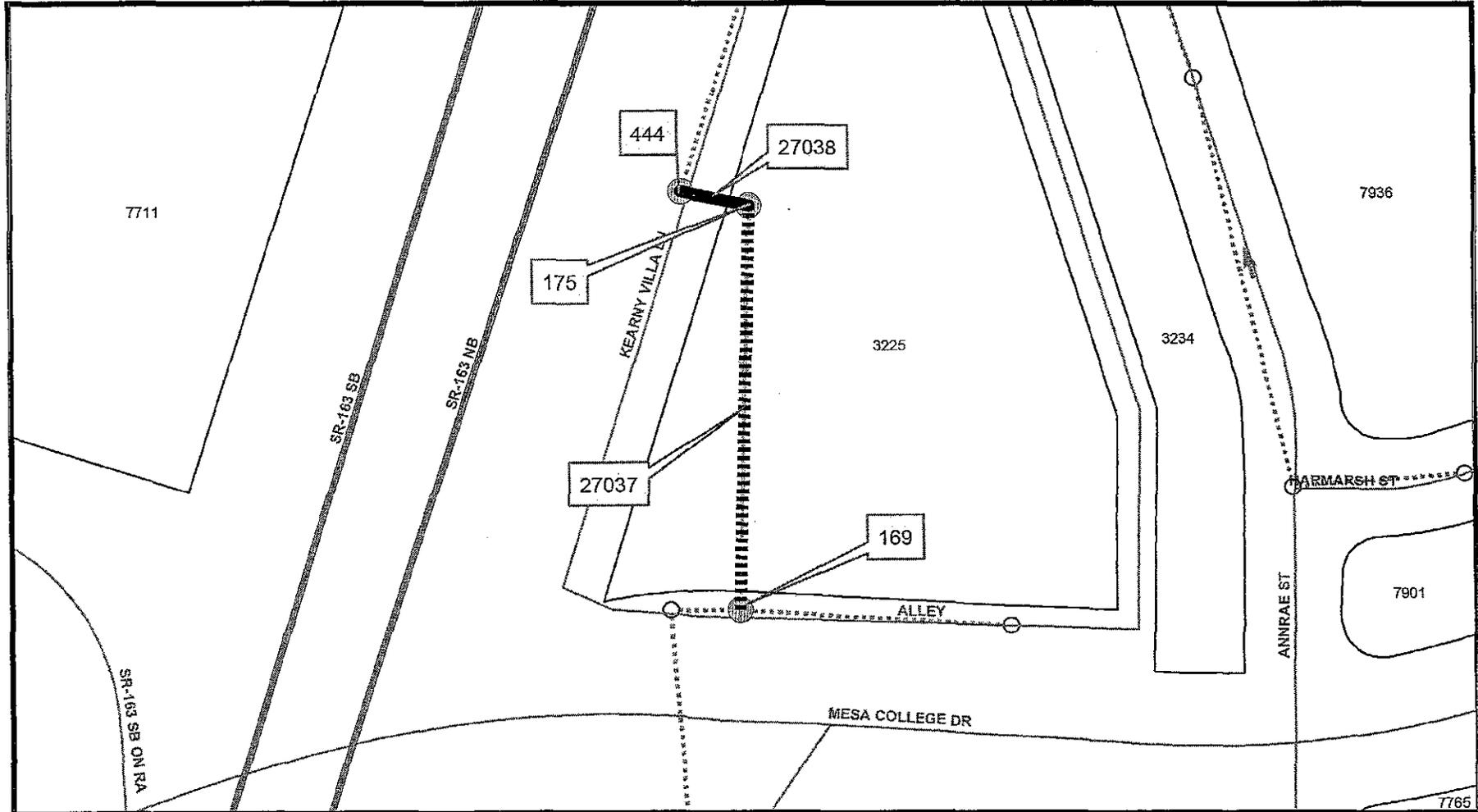
Legend

- Proposed Sewer Rehabilitation
- Proposed Rehabilitation with Point Repair
- Existing Sewer Mains
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- POINT REPAIR MANHOLE
- Rehabilitate Sewer Manhole
- Install New Cleanout
- MAP ID NUMBER
- FSN (Facility Sequence Number)



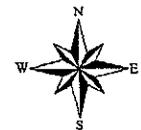
NOT TO SCALE

The City of **SAN DIEGO** Public Works



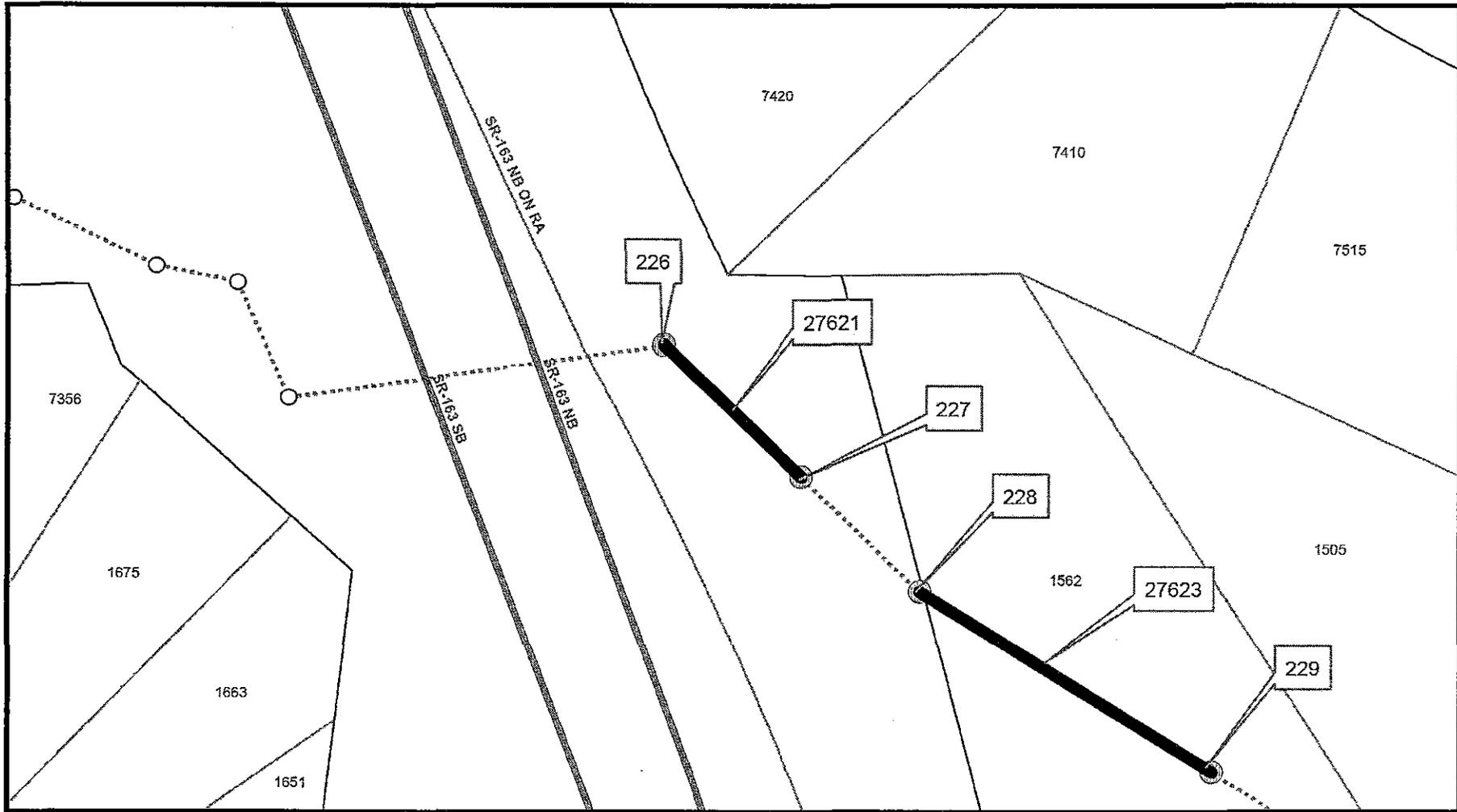
Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



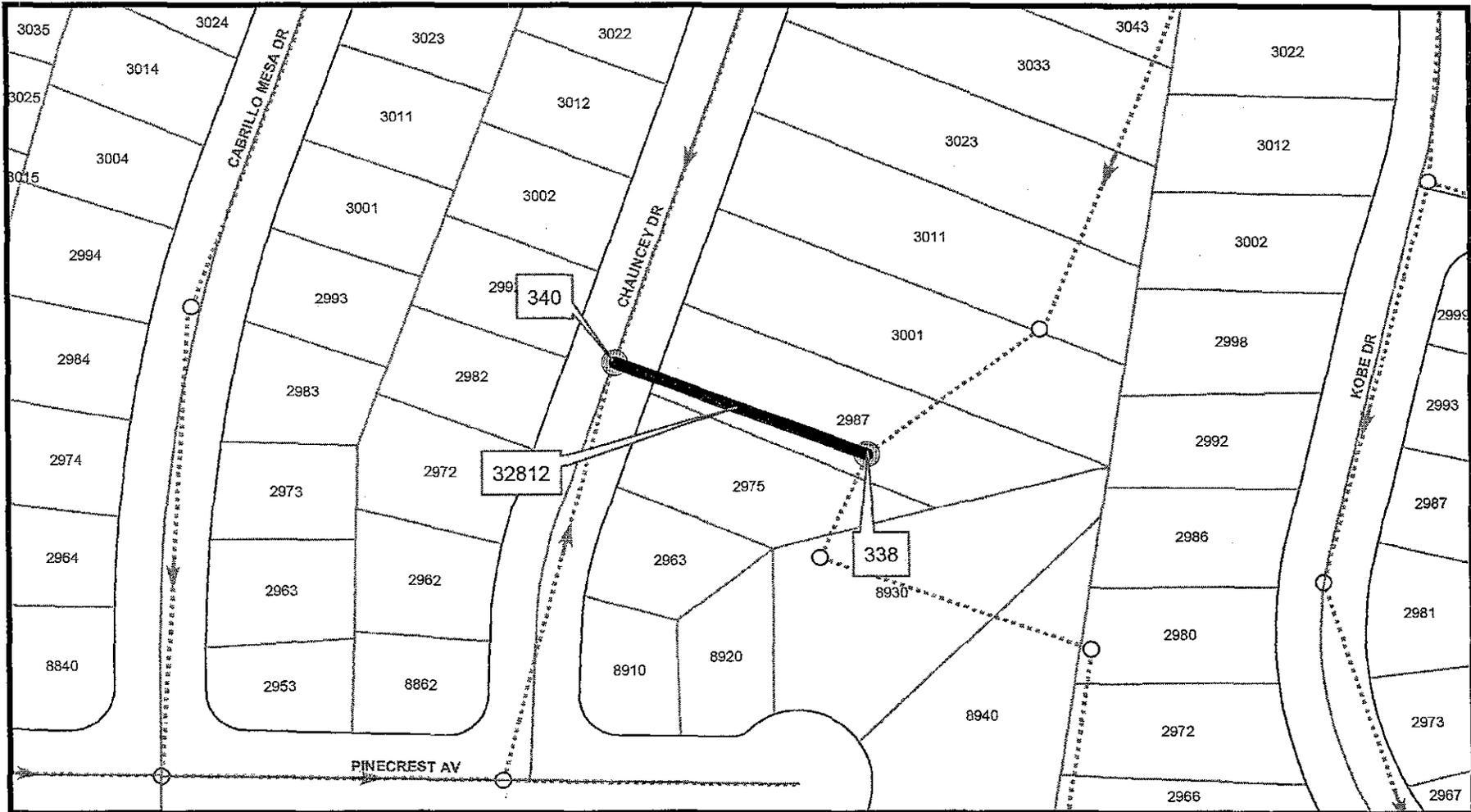
Legend

-  Proposed_Sewer_Rehabilitation_
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate_Sewer_Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

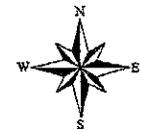
REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

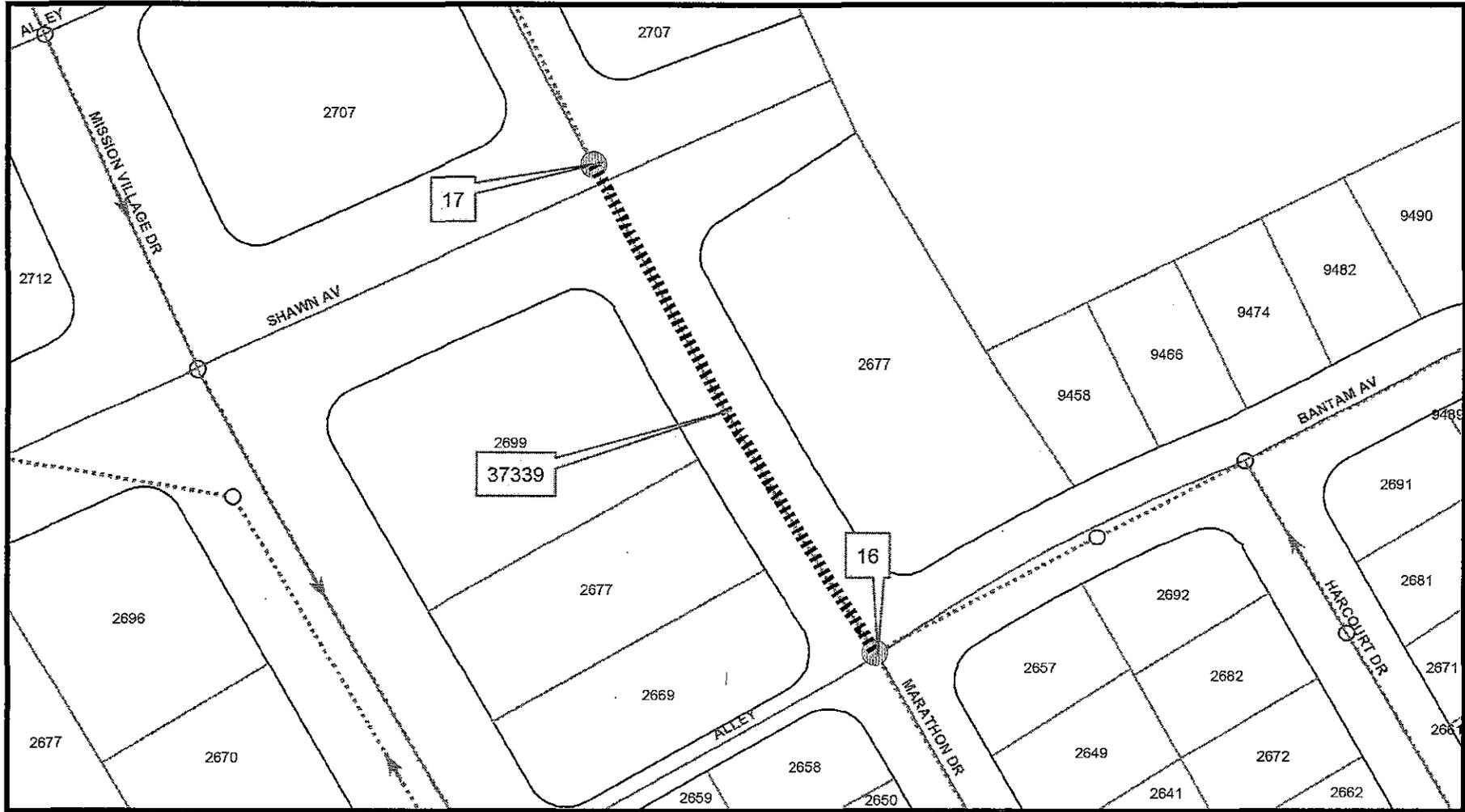
FSN (Facility Sequence Number)

MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

Proposed Sewer Rehabilitation

Proposed Rehabilitation with Point Repair

Existing Sewer Mains

Rehabilitate Sewer Manhole

Install New Cleanout

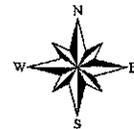
REPLACE SEWER MANHOLE

INSTALL NEW MANHOLE

POINT REPAIR MANHOLE

FSN (Facility Sequence Number)

MAP ID NUMBER



NOT TO SCALE

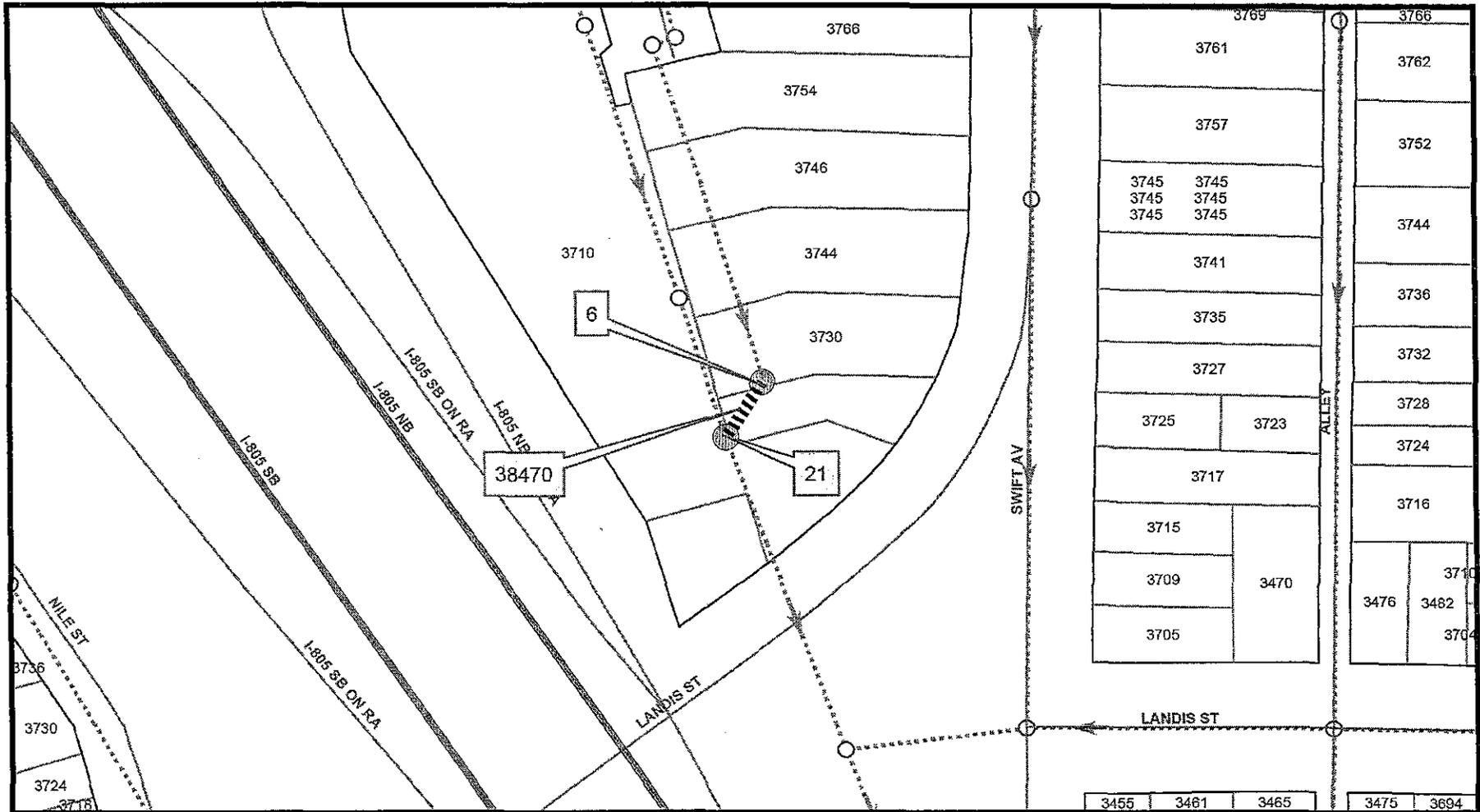
The City of SAN DIEGO Public Works

COMMUNITY NAME: SERRA MESA

COUNCIL DISTRICT: 7

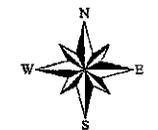
THOMAS BROS. MAP: 1249-6E

PIPELINE REHABILITATION AI-1



Legend

- Proposed Sewer Rehabilitation
- Proposed Rehabilitation with Point Repair
- Existing Sewer Mains
- Rehabilitate Sewer Manhole
- Install New Manhole
- Point Repair Manhole
- Install New Cleanout
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- POINT REPAIR MANHOLE
- FSN (Facility Sequence Number)
- MAP ID NUMBER



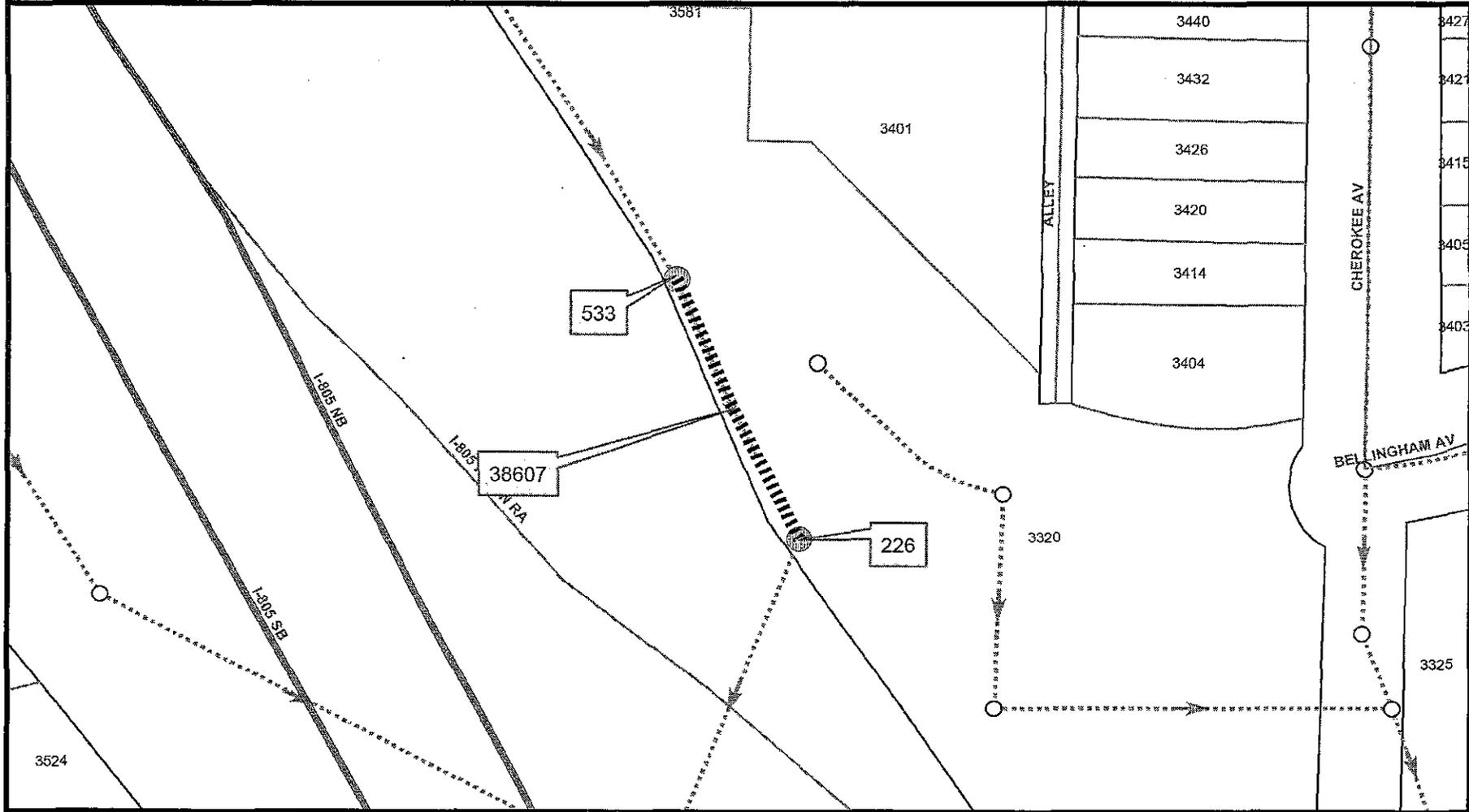
NOT TO SCALE

The City of **SAN DIEGO** Public Works

COMMUNITY NAME: MID-CITY: CITY HEIGHTS

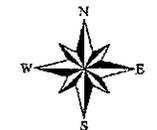
COUNCIL DISTRICT: 9

THOMAS BROS. MAP: 1269-5F



Legend

- Proposed Sewer Rehabilitation
- Proposed Rehabilitation with Point Repair
- Existing Sewer Mains
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- POINT REPAIR MANHOLE
- REHABILITATE SEWER MANHOLE
- Install New Cleanout
- MAP ID NUMBER
- FSN (Facility Sequence Number)



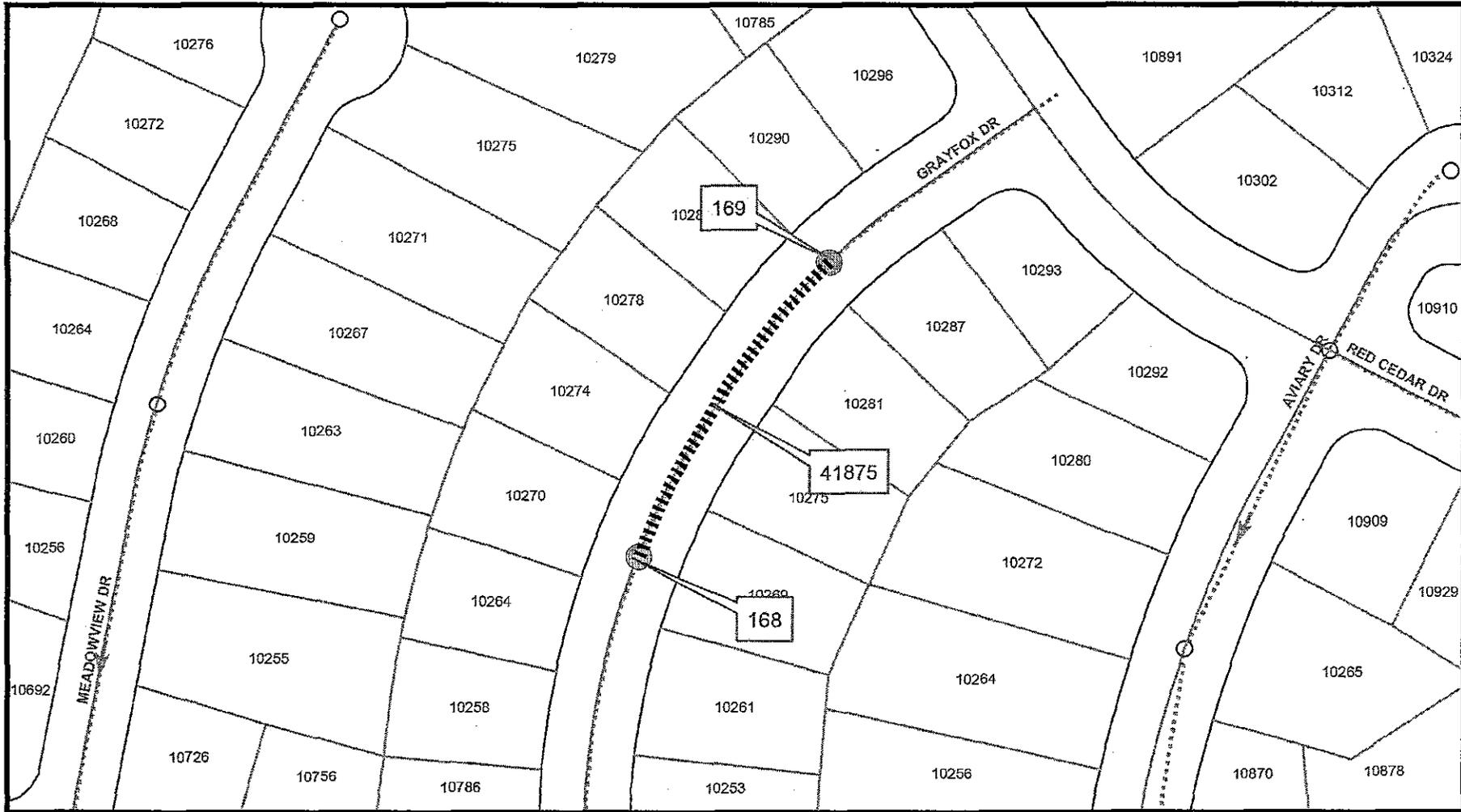
NOT TO SCALE

The City of **SAN DIEGO** Public Works

COMMUNITY NAME: MID-CITY:CITY HEIGHTS

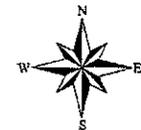
COUNCIL DISTRICT: 9

THOMAS BROS. MAP: 1269-6F



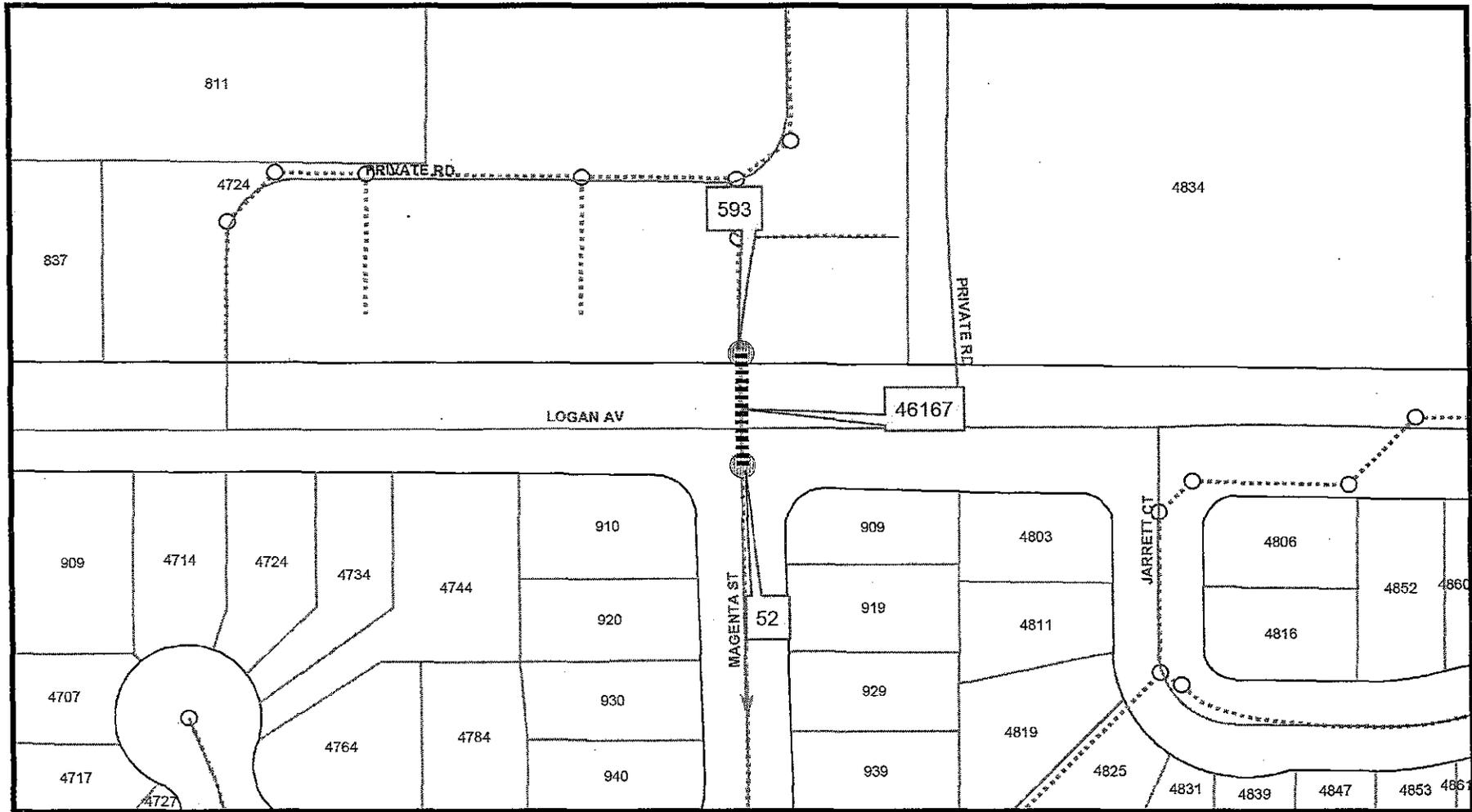
Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



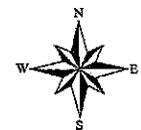
NOT TO SCALE

The City of **SAN DIEGO** Public Works



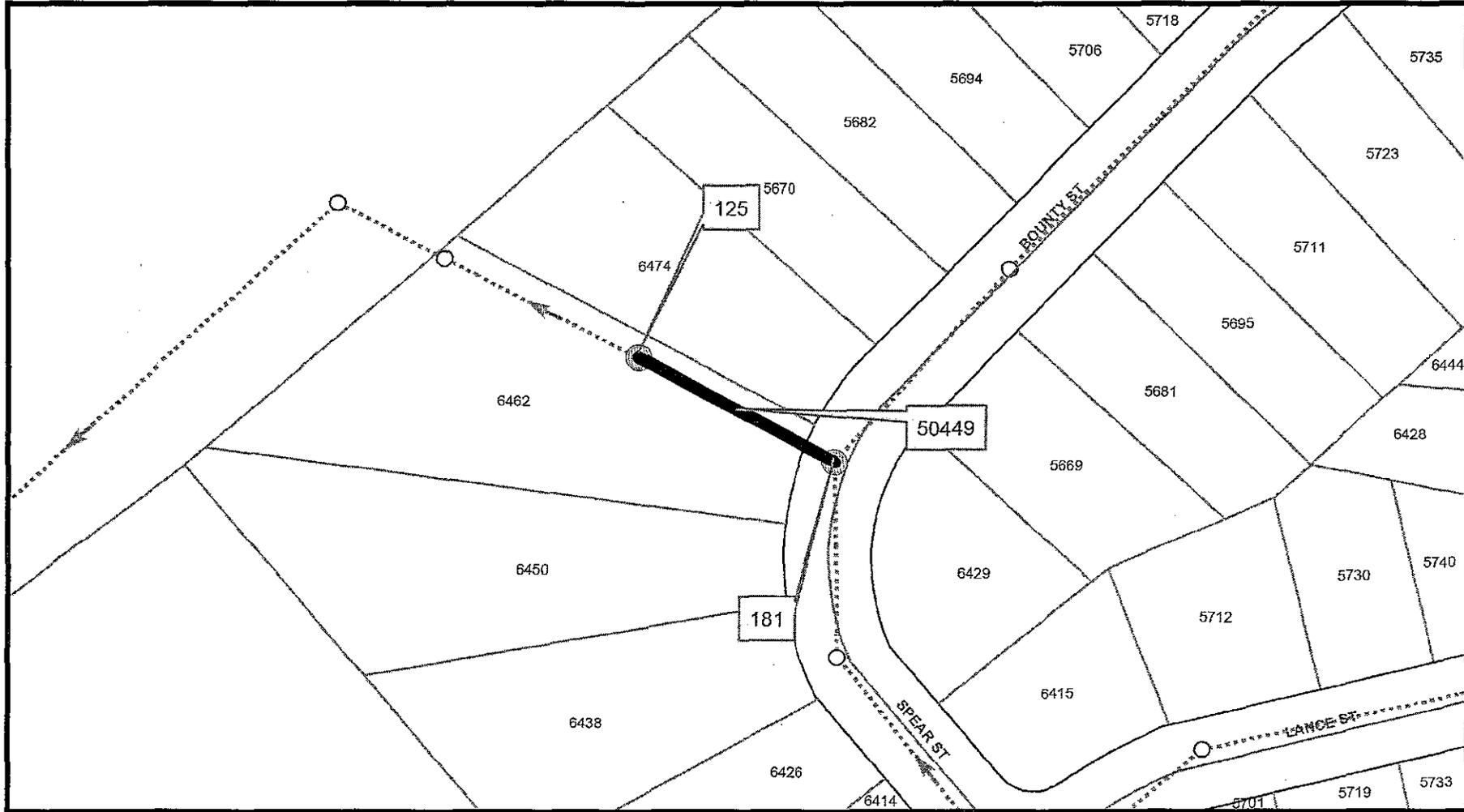
Legend

- Proposed Sewer Rehabilitation
- Proposed Rehabilitation with Point Repair
- Existing Sewer Mains
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- POINT REPAIR MANHOLE
- Rehabilitate Sewer Manhole
- Install New Cleanout
- MAP ID NUMBER
- FSN (Facility Sequence Number)



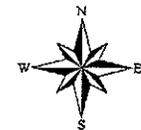
NOT TO SCALE

The City of SAN DIEGO Public Works



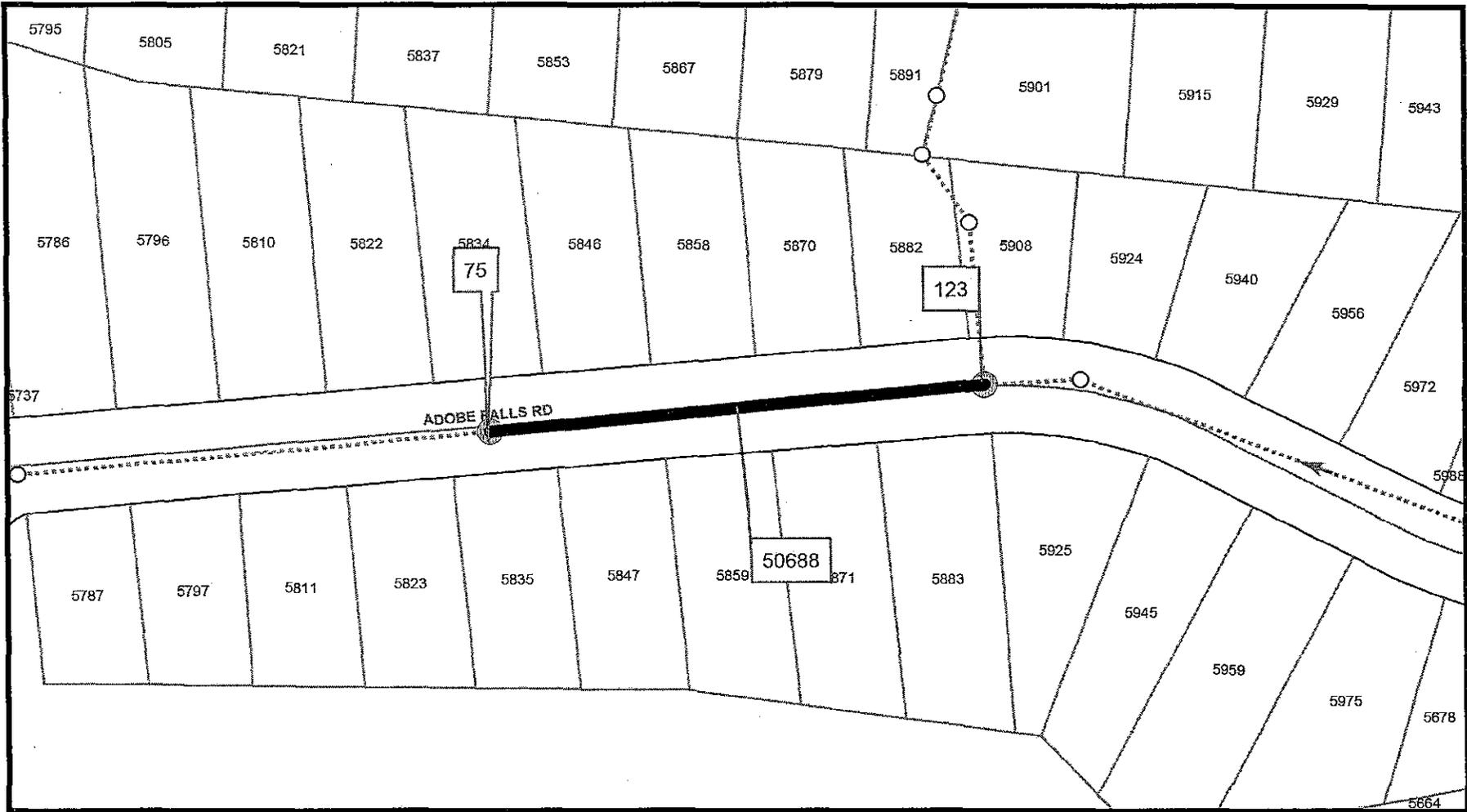
Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



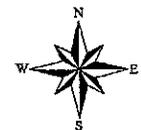
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The City of
SAN DIEGO Public Works



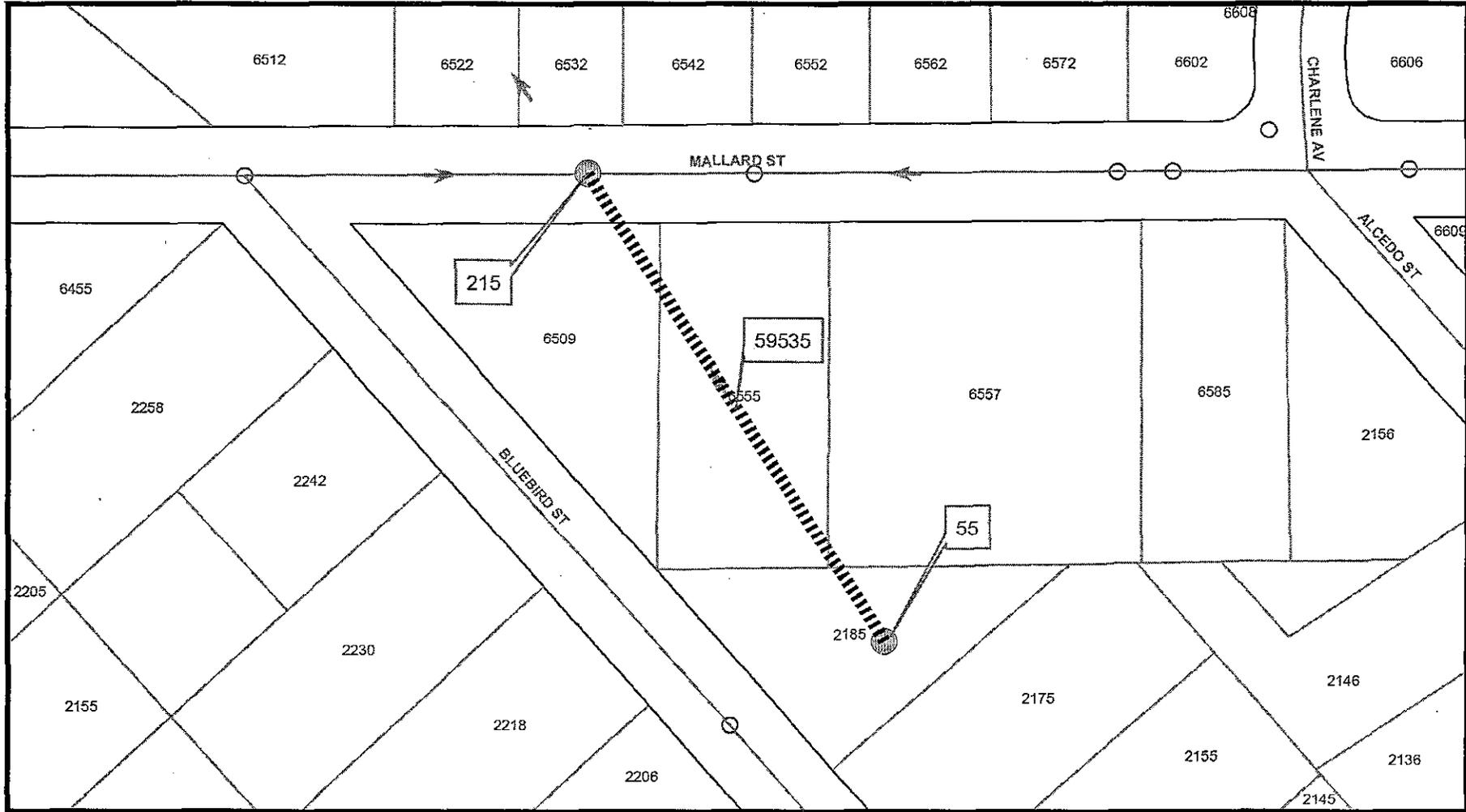
Legend

- Proposed Sewer rehabilitation
- Proposed Rehabilitation with Point Repair
- Existing Sewer Mains
- REPLACE SEWER MANHOLE
- INSTALL NEW MANHOLE
- POINT REPAIR MANHOLE
- Rehabilitate Sewer Manhole
- Install New Cleanout
- MAP ID NUMBER
- FSN (Facility Sequence Number)



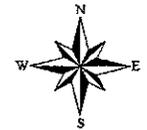
NOT TO SCALE

The City of **SAN DIEGO** Public Works



Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair 2
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  Existing Sewer Mains
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER

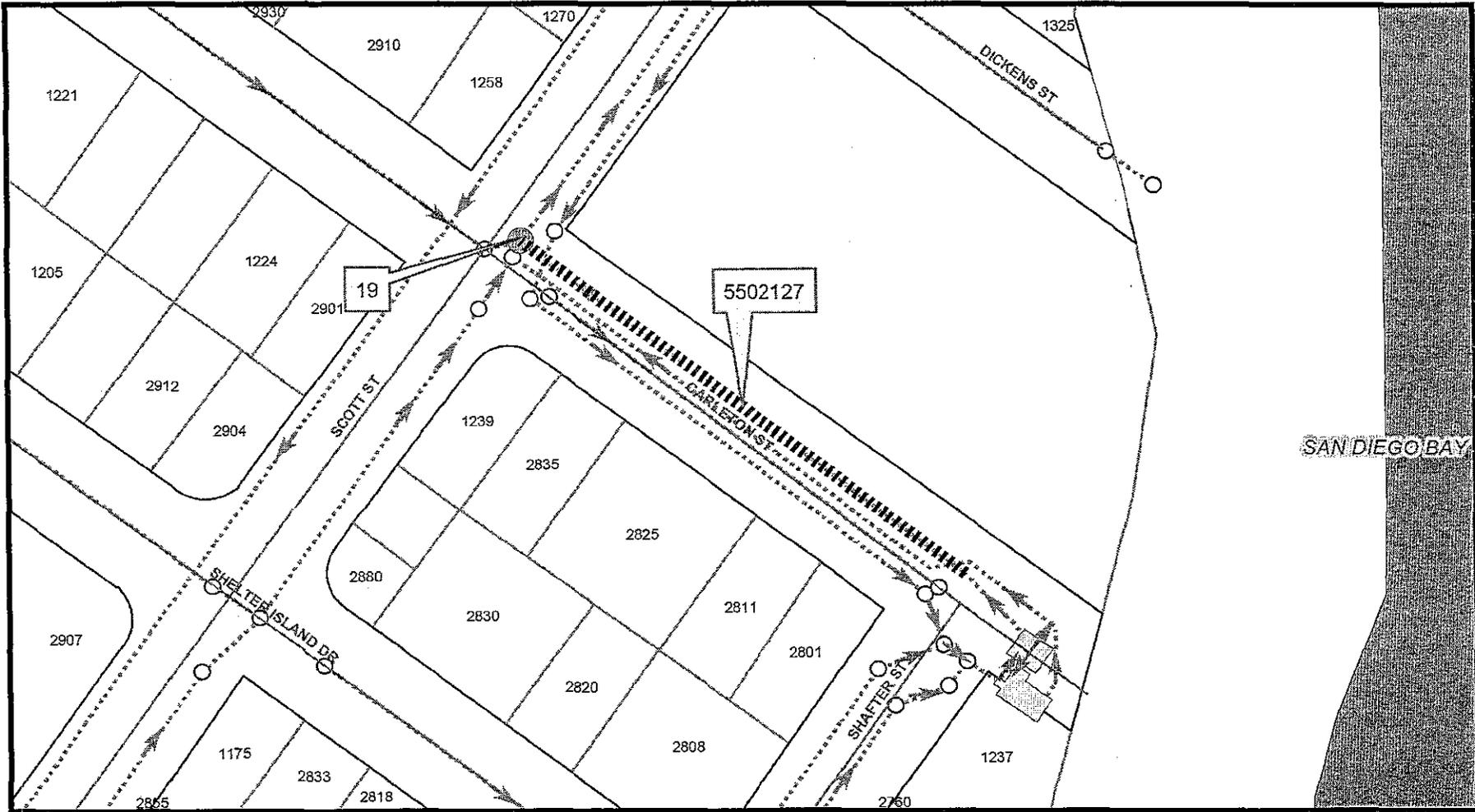


NOT TO SCALE

The City of
SAN DIEGO Public Works

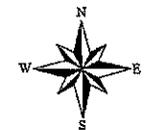
COMMUNITY NAME: ENCANTO NEIGHBORHOODS,SOUTHEASTERN COUNCIL DISTRICT: 4

THOMAS BROS. MAP: 1290-1D



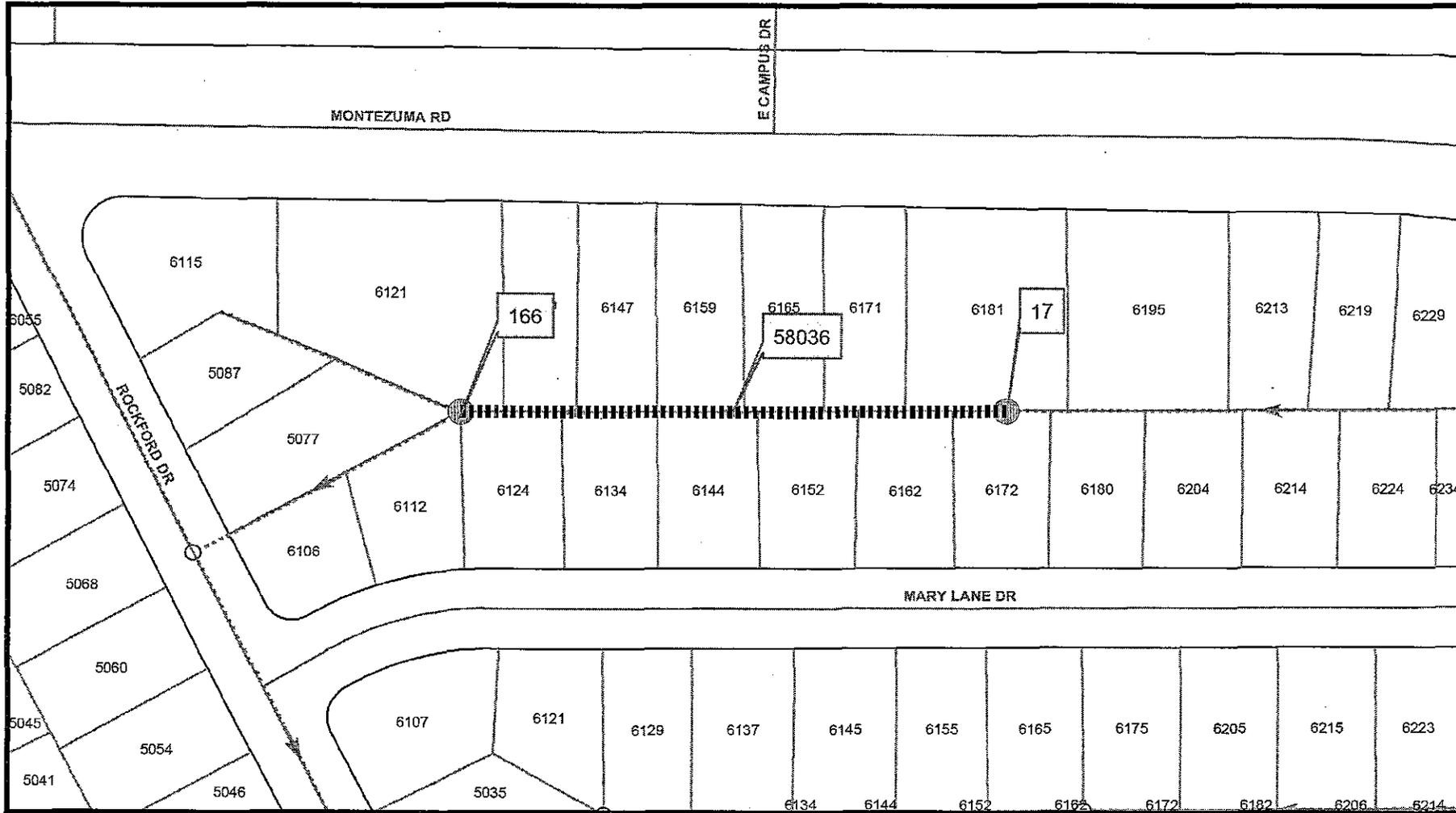
Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair 3
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  Existing Sewer Mains
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



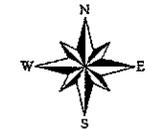
NOT TO SCALE

The City of
SAN DIEGO Public Works



Legend

-  Proposed Sewer Rehabilitation
-  Proposed Rehabilitation with Point Repair
-  Existing Sewer Mains
-  Rehabilitate Sewer Manhole
-  Install New Cleanout
-  REPLACE SEWER MANHOLE
-  INSTALL NEW MANHOLE
-  POINT REPAIR MANHOLE
-  FSN (Facility Sequence Number)
-  MAP ID NUMBER



NOT TO SCALE

The City of **SAN DIEGO** Public Works

PIPELINE REHABILITATION AI-1

Sewer Mains
WBS No: B-15187

MAP SHEET NO.	THOMAS BROTHERS	STREET NAME	FSN	LENGTH	SIZE	MATL	ENCASED	ACTION	DS MH ID	DS MH DEPTH	US MH ID	US MH DEPTH	US MH DEPTH	COUNCIL DISTRICT	COMMUNITY	GATE PAGE	
1	1310C1	FLINTRIDGE, DR	53748	200	8	VC		REHAB	44	171.27	8	49	180.67	7	4	Paradise Hills	K25S
1	1310C1	POTOMAC, ST	53753	159	8	VC		PR&R	51	177.19	9	52	196.06	7	4	Paradise Hills	K25S
1	1310C1	POTOMAC, ST	53754	351	8	VC		REHAB	43	169.51	13	44	171.27	8	4	Paradise Hills	K25S
1	1310C1	POTOMAC, ST	53755	160	8	VC		REHAB	44	171.27	8	51	177.19	9	4	Paradise Hills	K25S
1	1310C1	FLINTRIDGE, DR	53756	170	8	VC		REHAB	44	171.27	8	30	177.19	-	4	Paradise Hills	K25S
1	1310C1	POTOMAC, ST	53757	352	8	VC		REHAB		154.12	13	43	169.51	13	4	Paradise Hills	K25S
1	1310C1	POTOMAC, ST	53783	343	8	VC		REHAB	52	196.06	7	73	197.43	15	4	Paradise Hills	K25S
1	1310D1	POTOMAC, ST	53788	320	8	VC		PR&R	73	197.43	15	87	198.73	8	4	Paradise Hills	L25S
2	1310D1	POTOMAC, ST	60620	320	8	VC		PR&R	305	217.03	8	262	250.95	7	4	Paradise Hills	L25S
2	1310D1	POTOMAC, ST	60621	250	8	VC		REHAB	89	216.80	7	305	217.03	8	4	Paradise Hills	L25S
2	1310D1	POTOMAC, ST	60622	245	8	VC		REHAB	87	198.73	8	89	216.80	7	4	Paradise Hills	L25S
2	1310D1	POTOMAC, ST	60633	210	8	VC		REHAB	262	250.95	7	264	269.21	6	4	Paradise Hills	L25S
2	1290D7	POTOMAC, ST	60886	331	8	VC		REHAB	264	269.21	6	324	285.02	7	4	Paradise Hills	L25S
3	1290E7	VALNER, CT	60705	303	8	VC		REHAB	66	245.90	5	261	347.62	-	4	Paradise Hills	L25S
3	1290D7	VALNER, WY	60706	64	8	VC		REHAB	328	324.98	6	330	327.62	6	4	Paradise Hills	L25S
3	1290D7	VALNER, WY	60707	295	8	VC		REHAB	330	327.62	6	66	245.90	5	4	Paradise Hills	L25S
3	1290D7	ROBERTS, DR	60711	231	8	VC		REHAB	49	312.32	12	50	313.25	11	4	Paradise Hills	L25S
3	1310D1	POTOMAC, ST	60712	251	8	VC		REHAB	274	286.52	5	234	202.08	7	4	Paradise Hills	L25S
3	1290D7	ROBERTS, DR	60713	164	8	VC		REHAB	50	313.25	11	277	313.91	6	4	Paradise Hills	L25S
3	1290D7	POTOMAC, ST	60714	170	8	VC		REHAB	52	308.72	6	328	324.98	6	4	Paradise Hills	L25S
3	1290D7	POTOMAC, ST	60715	103	8	VC		REHAB	216	308.72	6	52	308.72	6	4	Paradise Hills	L25S
3	1290D7	POTOMAC, ST	60716	160	8	VC		REHAB	234	202.08	7	216	308.72	6	4	Paradise Hills	L25S
3	1290D7	CALLE SERENA,	60723	313	8	VC		REHAB	52	311.07	7	49	312.32	12	4	Paradise Hills	L25S
3	1290D7	VALNER, CT	60858	255	8	VC		PR&R	66	245.90	5	158	347.62	6	4	Paradise Hills	L25S
3	1310D1	POTOMAC, ST	60887	350	8	VC		REHAB	324	285.31	7	274	286.52	5	4	Paradise Hills	L25S
4	1310C1	RANCHO, DR	53736	130	8	VC		REHAB	88	198.73	-	27	213.55	-	4	Paradise Hills	K25S
4	1310D1	Reo, Dr	53747	260	8	VC		REHAB	73	197.43	15	320	213.04	10	4	Paradise Hills	L25S
4	1310D1	RANCHO, DR	60618	374	8	VC		REHAB	87	198.73	8	68	211.48	10	4	Paradise Hills	L25S
4	1310D1	RANCHO, DR	60619	100	8	VC		REHAB	87	198.73	8	88	198.73	-	4	Paradise Hills	L25S
4	1310D1	REO, DR	60624	90	8	VC		REHAB	320	213.04	10	316	-	-	4	Paradise Hills	L25S
4	1310D1	RANCHO, DR	60749	360	8	VC		PR&R	68	211.48	10	154	213.22	9	4	Paradise Hills	L25S
5	1310D1	RANCHO, DR	60717	350	8	VC		PR&R	273	204.29	7	40	205.69	5	4	Paradise Hills	L25S
5	1310D1	REO, DR	60742	180	8	VC		PR&R	322	191.48	10	418	-	-	4	Paradise Hills	L25S
5	1310D1	REO, DR	60743	350	8	VC		REHAB	323	190.12	12	322	191.48	10	4	Paradise Hills	L25S
5	1310D1	REO, DR	60899	180	8	VC		REHAB	587	196.12	11	61	212.14	-	4	Paradise Hills	L26S
5	1310D1	MORNINGSIDE, ST	60903	200	8	VC		REHAB	34	193.63	6	572	201.63	-	4	Paradise Hills	L26S
5	1310D1	RANCHO, DR	61002	160	8	VC		REHAB	588	215.16	6	602	215.80	-	4	Paradise Hills	L26S
6	1310D1	SEA BREEZE, DR	60724	250	8	VC		REHAB	285	240.49	8	86	241.50	-	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60732	400	8	VC		PR&R	154	213.22	9	157	220.02	8	4	Paradise Hills	L25S
6	1310D1	SEA BREEZE, DR	60735	135	8	VC		PR&R	285	240.49	8	283	246.56	-	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60736	225	8	VC		REHAB	163	239.61	6	285	240.49	8	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60737	158	8	VC		PR&R	157	220.02	8	163	239.61	6	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60761	150	8	VC		REHAB	285	240.49	8	215	249.01	7	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60765	349	8	VC		REHAB	213	254.71	8	195	265.13	8	4	Paradise Hills	L25S
6	1310D1	ALBEMARLE, ST	60766	353	8	VC		REHAB	215	249.01	7	213	254.71	8	4	Paradise Hills	L25S
6	1310D1	CUMBERLAND, ST	60770	234	8	VC		REHAB	270	254.12	-	279	272.09	-	4	Paradise Hills	L25S
6	1310D1	CUMBERLAND, ST	60771	111	8	VC		REHAB	253	245.47	12.7	270	254.12	-	4	Paradise Hills	L25S
7	1310C1	CUMBERLAND, ST	53814	334	8	VC		PR&R	37	139.76	18	36	163.12	17	4	Paradise Hills	K26S
7	1310D1	CUMBERLAND, ST	53828	80	8	VC		REHAB	22	194.73	9	38	-	-	4	Paradise Hills	L26S
7	1310C1	WESTWOOD, ST	53830	170	8	VC		REHAB	26	164.40	10	87	167.63	-	4	Paradise Hills	K26S
7	1310D1	CUMBERLAND, ST	53838	280	8	VC		PR&R	21	191.93	8	22	194.73	9	4	Paradise Hills	K26S
7	1310C1	WESTWOOD, ST	53840	320	8	VC		PR&R	36	164.40	17	26	164.40	10	4	Paradise Hills	K26S
7	1310C1	CUMBERLAND, ST	53841	374	8	VC		PR&R	36	164.40	17	21	191.93	8	4	Paradise Hills	K26S
8	1310D1	CUMBERLAND, ST	60739	336	8	VC		REHAB	323	190.12	12	273	204.29	7	4	Paradise Hills	L25S
8	1310D1	CUMBERLAND, ST	60768	280	8	VC		REHAB	273	204.29	7	271	226.69	11	4	Paradise Hills	L25S

PIPELINE REHABILITATION AI-1

Sewer Mains
WBS No: B-15187

MAP SHEET NO.	THOMAS BROTHERS	STREET NAME	FS#	LENGTH	SIZE	MAT	ENCLASO	ACTION	DS MH ID	DS MH IE	DS MH DEPTH	US MH ID	US MH IE	US MH DEPTH	COUNCIL DISTRICT	COMMUNITY	GATE PAGE
8	1310D1	CUMBERLAND, ST	60897	350	8	VC		REHAB	10	185.31	5	323	190.12	12	4	Paradise Hills	L255
8	1310D1	CUMBERLAND, ST	60939	320	8	VC		PR&R	10	185.31	5	42	193.94	10	4	Paradise Hills	L265
9	1310D1	EDGEWATER, ST	60741	70	8	VC		REHAB	161	251.00	-	165	253.80	-	4	Paradise Hills	L255
9	1310D1	CALLE SERENA	60755	75	8	VC		REHAB	55	-	9	59	-	-	4	Paradise Hills	L255
9	1310D1	WINCHESTER, ST	60986	306	8	VC		REHAB	2	247.00	7	603	262.29	7	4	Paradise Hills	L265
9	1310D1	EDGEWATER, ST	60987	320	8	VC		REHAB	578	238.20	8	161	251.00	-	4	Paradise Hills	L255
9	1310D1	EDGEWATER, ST	60999	320	8	VC		REHAB	588	215.16	6	578	238.20	8	4	Paradise Hills	L265
9	1310D1	CALLE GAVIOTA	61013	150	8	VC		REHAB	603	262.29	7	580	264.09	-	4	Paradise Hills	L265
9	1310D1	WINCHESTER, ST	61016	315	8	VC		REHAB	603	262.29	7	583	137.74	8	4	Paradise Hills	L265
9	1310D1	CALLE SERENA	61017	270	8	VC		REHAB	583	137.74	8	55	-	9	4	Paradise Hills	L255
9	1310D1	CALLE SERENA	61018	291	8	VC		REHAB	583	137.74	8	-	267.43	7	4	Paradise Hills	L265
10	1310D1	CALLE GAVIOTA,	60952	100	8	VC		REHAB	140	239.67	8	22	244.47	-	4	Paradise Hills	L265
10	1310D1	CALLE GAVIOTA,	60989	50	8	VC		REHAB	21	249.28	6	599	251.58	-	4	Paradise Hills	L265
10	1310D1	ROANOKE, ST	60990	248	8	VC		PR&R	123	247.12	11	-	242.17	15	4	Paradise Hills	L265
10	1310D1	ROANOKE, ST	60991	248	8	VC		REHAB	-	242.17	15	21	249.28	6	4	Paradise Hills	L265
10	1310D1	ROANOKE, ST	60992	231	8	VC		REHAB	17	222.19	10	123	247.12	11	4	Paradise Hills	L265
10	1310D1	ROANOKE, ST	60993	290	8	VC		PR&R	135	209.96	3	17	222.19	10	4	Paradise Hills	L265
11	1310D1	RANCHO HILLS, DR	60963	187	8	VC		REHAB	134	214.09	11	118	214.84	14	4	Paradise Hills	L265
11	1310E1	SEASCAPE, DR	61003	190	8	VC		REHAB	98	233.71	8	364	239.02	-	4	Paradise Hills	L265
11	1310E1	SEASCAPE, DR	61005	201	8	VC		REHAB	582	248.10	6	593	259.14	-	4	Paradise Hills	L265
11	1310E2	RANCHO HILLS, DR	61008	360	8	VC		REHAB	118	214.84	14	67	216.26	6	4	Paradise Hills	L265
11	1310E2	RANCHO HILLS, DR	61010	232	8	VC		REHAB	67	216.26	6	68	220.64	15	4	Paradise Hills	L265
11	1310E1	HOMEDALE, ST	61120	163	8	VC		REHAB	69	239.54	7	298	244.74	6	4	Paradise Hills	L265
11	1310E2	HOMEDALE, ST	61121	255	8	VC		REHAB	69	239.54	7	64	246.54	6	4	Paradise Hills	L265
12	1310E1	CALLE AGUADULCE,	60617	100	8	VC		REHAB	326	317.84	6	327	-	-	4	Paradise Hills	L255
12	1310E1	CALLE AGUADULCE	60626	304	8	VC		REHAB	331	306.28	-	5	309.62	-	4	Paradise Hills	L255
12	1310E1	CALLE AGUADULCE,	60694	158	8	VC		REHAB	108	305.65	9	326	317.84	6	4	Paradise Hills	L255
12	1310E1	CALLE TOCON,	60695	212	8	VC		REHAB	108	305.65	9	109	-	-	4	Paradise Hills	L255
12	1310E1	CALLE TRES LOMAS	60718	24	8	VC		REHAB	81	287.69	5	183	-	-	4	Paradise Hills	L255
12	1310E1	CALLE TRES LOMAS,	60728	90	8	VC		REHAB	1	287.33	6	81	287.69	5	4	Paradise Hills	L255
12	1310E1	CALLE AGUADULCE	60756	126	8	VC		REHAB	5	309.62	-	179	-	-	4	Paradise Hills	L255
12	1310E1	CALLE TRES LOMAS	60779	280	8	VC		REHAB	81	287.69	5	172	289.81	5	4	Paradise Hills	L255
12	1310E1	SEASCAPE, DR	60791	312	8	VC		REHAB	577	286.08	7	1	287.33	6	4	Paradise Hills	L255
12	1310E1	CALLE TRES LOMAS	60820	160	8	VC		REHAB	-	290.01	5	107	290.65	-	4	Paradise Hills	L255
12	1310E1	CALLE TRES LOMAS	60843	300	8	VC		REHAB	172	289.81	5	-	290.01	5	4	Paradise Hills	L255
12	1310E1	CALLE AGUADULCE	60885	244	8	VC		REHAB	11	285.02	4	331	306.28	-	4	Paradise Hills	L255
12	1310E1	ROANOKE, ST	60974	80	8	VC		REHAB	48	285.67	4	574	-	-	4	Paradise Hills	L265
12	1310E1	SEASCAPE, DR	60980	19	8	VC		REHAB	33	260.12	5	597	-	-	4	Paradise Hills	L265
12	1310E1	WINCHESTER, ST	61019	180	8	VC		REHAB	575	282.51	8	51	284.17	6	4	Paradise Hills	L265
12	1310E1	ROANOKE, ST	61183	300	8	VC		REHAB	51	284.17	6	11	285.35	10	4	Paradise Hills	L265
12	1310E1	SEASCAPE, DR	61185	245	8	VC		REHAB	590	259.14	14	33	260.12	5	4	Paradise Hills	L265
12	1310E1	ROANOKE, ST	61200	81	8	VC		REHAB	11	285.35	10	48	285.67	4	4	Paradise Hills	L265
12	1310E1	ROANOKE, ST	61201	103	8	VC		REHAB	48	285.67	4	577	286.08	7	4	Paradise Hills	L265
13	1310E1	SEASCAPE, DR	60818	291	8	VC		REHAB	622	228.57	9	314	254.03	5	4	Paradise Hills	L255
13	1310E1	CLYDE, AV	60952	196	8	VC		REHAB	28	216.19	8	36	222.08	-	4	Paradise Hills	L265
13	1310E1	CLYDE, AV	61131	350	8	VC		REHAB	710(88)	208.61	7	28	216.19	8	4	Paradise Hills	L265
13	1310E1	RHOADES, RD	61132	273	8	VC		REHAB	710	208.61	7	609	210.14	9	4	Paradise Hills	L265
13	1310E1	RHOADES, RD	61187	294	8	VC		REHAB	609	210.14	9	625	222.20	10	4	Paradise Hills	L265
14	1310E1	GOETZE, ST	60805	110	8	VC		REHAB	135	258.10	8	136	267.08	6	4	Paradise Hills	L255
14	1310E1	GOETZE, ST	60804	212	8	VC		REHAB	136	267.08	6	438	280.54	8	4	Paradise Hills	L255
14	1310E1	CALLE QUEBRADA,	60808	189	8	VC		REHAB	438	280.54	8	442	289.50	8	4	Paradise Hills	L255
14	1310E1	GOETZE, ST	60812	240	8	VC		REHAB	134	256.66	6	135	258.10	8	4	Paradise Hills	L255
14	1310E1	GOETZE, ST	60815	168	8	VC		REHAB	314	254.03	5	134	256.66	6	4	Paradise Hills	L255
14	1310E1	SEASCAPE, DR	60819	164	8	VC		REHAB	314	254.03	5	112	262.08	6	4	Paradise Hills	L255
14	1310E1	SEASCAPE, DR	60835	242	8	VC		REHAB	112	262.08	6	122	266.78	9	4	Paradise Hills	L255

PIPELINE REHABILITATION AI-1

Sewer Mains
WBS No: B-15187

MAP SHEET NO.	THOMAS BROTHERS	STREET NAME	ESI	LENGTH	SIZE	MAT.	ENCASED	ACTION	DS MH ID	DS MH DEPTH	US MH ID	US MH DEPTH	US MH DEPTH	COUNCIL DISTRICT	COMMUNITY	GATE PAGE
14	1310E1	SEASCAPE, DR	60840	103	8	VC		REHAB	124	273.37	8	120	274.28	4	Paradise Hills	L255
14	1310E1	SEASCAPE, DR	60841	181	8	VC		REHAB	122	266.78	9	123	270.39	4	Paradise Hills	L255
14	1310E1	SEASCAPE, DR	60842	240	8	VC		REHAB	123	270.39	7	124	273.37	4	Paradise Hills	L255
15	1310C2	RACHAEL, AV	53818	340	10	VC		REHAB	37	139.76	18	35	141.12	4	Paradise Hills	K26S
15	1310C2	RACHAEL, AV	53820	342	10	VC		REHAB	35	141.12	11	42	142.49	4	Paradise Hills	K26S
15	1310C2	WINCHESTER, ST	53824	208	8	VC		REHAB	42	142.49	11		163.62	4	Paradise Hills	K26S
15	1310C1	RACHAEL, AV	53831	26	10	VC		REHAB	5	137.74	10	91	137.74	4	Paradise Hills	K26S
15	1310C1	RACHAEL, AV	53834	290	10	VC		REHAB	84	139.00	9	37	139.76	4	Paradise Hills	K26S
15	1310C1	RACHAEL, AV	53864	17	10	VC		REHAB	5	137.74	10	84	139.00	4	Paradise Hills	K26S
16	1310D2	WINCHESTER, ST	60890	235	8	VC		REHAB	46	188.76	7	92	189.81	4	Paradise Hills	L26S
16	1310D1	WINCHESTER, ST	60901	200	8	VC		REHAB	83	205.28	10	16	206.48	4	Paradise Hills	L26S
16	1310D1	WINCHESTER, ST	60902	360	8	VC		REHAB	290	203.12	7	83	205.28	4	Paradise Hills	L26S
16	1310D2	ROANOKE, ST	60923	185	8	VC		REHAB	122	207.79	6	15	217.77	4	Paradise Hills	L26S
16	1310D2	ROANOKE, ST	60926	175	8	VC		PR&R	71	208.53	8	163	217.28	4	Paradise Hills	L26S
17	1290D7	ORISKANY, RD	60341	143	8	VC		REHAB	175	346.18	6	419	350.12	4	Paradise Hills	L25S
17	1290D7	ORISKANY, RD	60639	90	8	VC		REHAB	27	275.01	7	43	276.12	4	Paradise Hills	L25S
17	1290D7	MUNDA, RD	60652	340	8	VC		REHAB	42	287.05	7	44	289.43	4	Paradise Hills	L25S
17	1290D7	MUNDA, RD	60655	335	8	VC		REHAB	27	275.01	7	42	287.05	4	Paradise Hills	L25S
17	1290D7	ORISKANY, RD	60854	345	8	VC		REHAB	43	276.12	8	47	294.32	4	Paradise Hills	L25S
17	1290D7	ORISKANY, RD	60872	231	8	VC		REHAB	47	294.32	7	355	308.74	4	Paradise Hills	L25S
17	1290D7	ORISKANY, RD	60874	230	8	VC		REHAB	7	315.02	8	362	322.90	4	Paradise Hills	L25S
17	1290D7	ORISKANY, RD	5208042	103	8	VC		REHAB	355	308.74	6	7	315.02	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	60340	299	8	VC		REHAB	80	299.23	8	177	319.18	4	Paradise Hills	L24S
18	1290D7	RIDGEWOOD, DR	60650	231	8	VC		REHAB	34	288.79	8	80	299.23	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	60651	196	8	VC		REHAB	185	286.22	8	34	288.79	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	60745	70	8	VC		REHAB	28	275.84	10	391	278.21	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	60746	208	8	VC		REHAB	32	283.65	5	381	286.05	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	5208661	57	8	VC		REHAB	177	319.18	6	436	322.65	4	Paradise Hills	L24S
18	1290D7	RIDGEWOOD, DR	5208858	35	8	VC		REHAB	381	286.05	8	185	286.22	4	Paradise Hills	L25S
18	1290D7	RIDGEWOOD, DR	5209300	173	8	VC		REHAB	391	278.21	9	32	283.65	4	Paradise Hills	L25S
19	1227H7	EASEMENT	2899	13	8	VC		PR&R	444	616.60			616.73	1	La Jolla	B10S
20	1227H6	ROSELAND PL	2663	67	8	VC		PR&R	113	92.43	15	114	107.00	1	La Jolla	B10S
21	1268B3	EASEMENT	9593	272	10	VC		PR&R	58	-2.51	21	57	-1.83	2	Mission Bay Prak	C17S
22	1248B6	EASEMENT	9366	185	15	VC		REHAB	104	-1.97	14	103	-1.85	2	Pacific Beach	C15S
23	1268B6	VALETA ST	9973	136	8	VC	CONC	PR&R	133	9.50	7	135	10.99	2	Peninsula	C19S
24	1288A3	EASEMENT	11225	180	15	VC		PR&R	78	92.12	6			2	Peninsula	C22S
25	1268B6	ZOLA ST	10155	77	8	VC	CONC	PR&R	358	60.82	6	362	110.12	2	Peninsula	C19S
26	1248D3	MORAGA AV	13990	305	8	VC		REHAB	230	306.51	16	228	307.73	2	Clairemont Mesa	D12S
27	1248D3	BALBOA AV	14310	250	15	VC	CONC	PR&R	200	60.46	25	202	65.77	2	Clairemont Mesa	D13S
28	1248F1	DIANE AV	17437	95	8	VC	CONC	PR&R	251	277.60	21	252	295.12	6	Clairemont Mesa	E11S
29	1248H4	EASEMENT	22063	118	8	VC		REHAB	121	254.07	11	274	254.64	6	Clairemont Mesa	F14S
29	1248H4	EASEMENT	22064	46	8	VC		REHAB	122	237.90	5	121	254.07	6	Clairemont Mesa	F14S
29	1248H4	EASEMENT	22065	147	8	VC		REHAB	125	224.97	17	122	237.90	6	Clairemont Mesa	F14S
30	1209A3	NEW SALEM ST	25627	248	8	VC		REHAB	152	394.66	19	149	395.65	6	Mira Mesa	G04S
31	1249B5	EASEMENT	27037	252	8	VC		PR&R	169	406.83	7	175	409.33	7	Serra Mesa	G14S
31	1249B5	KEARNY VILLA LN	27038	32	8	VC		REHAB	175	409.33	8	444	410.50	7	Serra Mesa	G14S
32	1269A2	EASEMENT	27621	127	8	VC	CONC	REHAB	227	74.09	8	226	107.76	7	Mission Valley	G16S
32	1269A2	EASEMENT	27623	209	8	VC		REHAB	229	72.84	8	228	73.68	7	Mission Valley	G16S
33	1249D5	EASEMENT	32812	149	8	VC		REHAB	338	UNK	3	340	387.53	7	Serra Mesa	H14S
34	1249-E6	MARATHON DR	37339	340	8	VC		REHAB	16	324.83	22	17	335.38	7	Serra Mesa	H15S
35	1269F5	EASEMENT	38470	30	8	VC		PR&R	21	276.50	10	6	277.92	9	Mid-City: City Heights	I19S
36	1269F6	EASEMENT	38607	170	8	VC		PR&R	226	271.50	11	533	293.50	9	Mid-City: City Heights	I19S

PIPELINE REHABILITATION AI-1

Sewer Mains
WBS No: B-15187

MAP SHEET NO.	THOMAS BROTHERS	STREET NAME	FSN	LENGTH	SIZE	MAT.	ENGASED	ACTION	DS MH ID	DS MH IE	DS MH DEPTH	US MH ID	US MH IE	US MH DEPTH	COUNCIL DISTRICT	COMMUNITY	GATE PAGE
37	1289G6	EASEMENT	40445	245	14	CP		PR&R	224	2.68		142	3.06	7	9	Southeastern San Diego	I245
38	1209H4	GRAYFOX DR	41875	233	8	VC		PR&R	168	673.74	16	169	690.27	10	5	Scripps Miramar Ranch	J045
39	1289J5	LOGAN AV	46167	70	8	VC		PR&R	52	79.00	18	593	81.10	16	4	Encanto Neighborhoods, Southeastern	J245
40	1250B6	EASEMENT	50449	137	8	VC		REHAB	125	333.31	7	181	333.85	10	7	Navajo	K155
41	1250B7	ADOBE FALLS RD	50688	300	8	VC		REHAB	75	151.04	12	125	183.12	10	7	Navajo	K165
42	1290D1	EASEMENT	59535	350	8	VC		PR&R	215	325.12	30	55	331.12	7	4	Encanto Neighborhoods, Southeastern	L215
43	1288B2	CARLETON ST	5502127	431	21	VC	CONC	PR&R	19	3.24	UKN	SWR NODE	UKN	UKN	2	Peninsula	C215
44	1270C2	EASEMENT	58036	337	8	VC		PR&R	166	454.12	5	17	455.52	7	9	College Area	L175

*PR&R = Point Repair & Rehab

PIPELINE REHABILITATION AI-1 (REPLACE IN PLACE)

5	1310D1	RANCHO, DR	60734	228	8	VC		REPLACE	40	205.69	5	41	-	-	4	Paradise Hills	L255
11	1310D1	CALLE GAVIOTA	60966	248	8	VC		REPLACE	118	214.84	14	98	233.71	8	4	Paradise Hills	L265
12	1310E1	WINCHESTER, ST	61015	235	8	VC		REPLACE	579	282.51	6	575	282.51	-	4	Paradise Hills	L265

PIPELINE REHABILITATION AI-1

Sewer Manholes

WBS No: B-15187

MAP SHT NO.	THOMAS BROTHERS	STREET NAME	MH ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	COUNCIL DISTRICT	COMMUNITY	GATE PAGE	FSN	RIM ELEV
INSTALL C/O											
4	1310C1	RANCHO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	K25S	53736	-
1	1310C1	FLINTRIDGE, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	K25S	53756	-
7	1310D1	CUMBERLAND, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	53828	-
7	1310C1	WESTWOOD, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	K26S	53830	-
12	1310E1	CALLE AGUADULCE,	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60617	-
4	1310D1	REO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60624	-
12	1310E1	CALLE TRES LOMAS	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60718	-
6	1310D1	SEA BREEZE, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60735	-
9	1310D1	EDGEWATER, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60741	-
5	1310D1	REO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60742	-
9	1310D1	CALLE SERENA	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60755	-
12	1310E1	CALLE AGUADULCE	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60756	-
12	1310E1	CALLE TRES LOMAS	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60820	-
14	1310E1	SEASCAPE, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L25S	60840	-
5	1310D1	REO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60899	-
16	1310D2	ROANOKE, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60923	-
16	1310D2	ROANOKE, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60926	-
13	1310E1	CLYDE, AV	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60952	-
10	1310D1	CALLE GAVIOTA,	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60962	-
12	1310E1	ROANOKE, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60974	-
12	1310E1	SEASCAPE, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60980	-
10	1310D1	CALLE GAVIOTA,	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	60989	-
5	1310D1	RANCHO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	61002	-
11	1310E1	SEASCAPE, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	61003	-
9	1310D1	CALLE GAVIOTA	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		4	Paradise Hill	L26S	61013	-
19	1227H7	ROMERO, DR	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		1	LA JOLLA	B10S	2899	-
24	1288A3	SAN ELIJO, ST	CLEANOUT	TIE TO EXISTING MAIN	ADD CLEANOUT		2	CLAIREMONT	C22S	11225	-
PT REPAIR MH											
1	1310C1	FLINTRIDGE, DR	49	180.67	7	REHAB	4	Paradise Hill	K25S	120312	187.67
3	1310C1	POTOMAC, ST	52	196.06	7	REHAB	4	Paradise Hill	K25S	120315	203.06
2	1310D1	POTOMAC, ST	89	216.80	7	REHAB	4	Paradise Hill	L25S	127099	223.80
8	1310D1	CUMBERLAND, ST	323	190.12	12	REHAB	4	Paradise Hill	L25S	127310	202.12
6	1310D1	CUMBERLAND, ST	253	245.47	12.7	REHAB	4	Paradise Hill	L25S	127247	258.17
16	1310D1	WINCHESTER, ST	16	206.48	15	REHAB	4	Paradise Hill	L26S	127337	221.48
INSTALL MH											
6	1310D1	CUMBERLAND, ST	270	254.12	-	INSTALL MH	4	Paradise Hill	L25S	127263	-
12	1310E1	CALLE TOCON,	109			INSTALL MH	4	Paradise Hill	L25S	60695	-
6	1310D1	SEA BREEZE, DR	86			INSTALL MH	4	Paradise Hill	L25S	60724	-
6	1310D1	CUMBERLAND, ST	279			INSTALL MH	4	Paradise Hill	L25S	60770	-
5	1310D1	MORNINGSIDE, ST	572			INSTALL MH	4	Paradise Hill	L26S	60903	-
5	1310D1	RANCHO, DR	41			INSTALL MH	4	Paradise Hill	L25S	60734	-
REPLACE MH											
12	1310E1	CALLE TRES LOMAS	166	290.01	5	REPLACE MH	4	Paradise Hill	L25S	127168	295.01
1	1310C1	POTOMAC, ST	47	154.12	13	REPLACE MH	4	Paradise Hill	K25S	120310	167.12
15	1310C2	WINCHESTER, ST	88	163.62	8	REPLACE MH	4	Paradise Hill	K26S	120401	171.62
10	1310D1	ROANOKE, ST	18	242.17	15	REPLACE MH	4	Paradise Hill	L26S	127339	257.17
9	1310D1	CALLE SERENA	60	267.43	7	REPLACE MH	4	Paradise Hill	L26S	61018	274.43
5	1310D1	REO, DR	322	191.48	10	REHAB MH	4	Paradise Hill	L25S	127309	201.48
12	1310E1	CALLE AGUADULCE	5	309.62	-	REHAB MH	4	Paradise Hill	L25S	127025	-
13	1310E1	CLYDE, AV	28	216.19	8	REHAB MH	4	Paradise Hill	L26S	127349	224.19
12	1310E1	SEASCAPE, DR	33	260.12	5	REHAB MH	4	Paradise Hill	L26S	127352	265.12
10	1310D1	CALLE GAVIOTA,	21	249.28	6	REHAB MH	4	Paradise Hill	L26S	127342	255.28
5	1310D1	REO, DR	322	191.48	10	REHAB MH	4	Paradise Hill	L25S	127309	201.48
15	1310C2	WINCHESTER, ST	42	142.49	11	REHAB MH	4	Paradise Hill	K26S	120380	153.49
12	1310E1	CALLE TRES LOMAS	172	289.81	5	REHAB MH	4	Paradise Hill	L25S	127173	294.81
7	1310C1	CUMBERLAND, ST	36	163.12	17	REHAB MH	4	Paradise Hill	K26S	120374	180.12
15	1310C2	RACHAEL, AV	35	141.12	11	REHAB MH	4	Paradise Hill	K26S	120373	152.12
15	1310C2	RACHAEL, AV	42	142.49	11	REHAB MH	4	Paradise Hill	K26S	120380	153.49
7	1310C1	CUMBERLAND, ST	36	163.12	17	REHAB MH	4	Paradise Hill	K26S	120374	180.12
3	1290E7	VALNER, CT	66	245.90	5	REHAB MH	4	Paradise Hill	L25S	127077	250.90
3	1310D1	POTOMAC, ST	234	202.08	7	REHAB MH	4	Paradise Hill	L25S	127231	209.08
3	1290D7	POTOMAC, ST	52	311.07	7	REHAB MH	4	Paradise Hill	L25S	127065	318.07
6	1310D1	ALBEMARLE, ST	215	249.01	7	REHAB MH	4	Paradise Hill	L25S	127212	256.01
14	1310E1	GOETZE, ST	134	257	6	REHAB MH	4	Paradise Hill	L25S	127140	262.66
10	1310D1	ROANOKE, ST	17	222.19	10	REHAB MH	4	Paradise Hill	L26S	127338	232.19
11	1310E2	RANCHO HILLS, DR	118	214.84	14	REHAB MH	4	Paradise Hill	L26S	127415	228.84
17	1290D7	ORISKANY, RD	7	315.02	8	REHAB MH	4	Paradise Hill	L25S	127027	323.02
19	1227H7	ROMERO, DR	444	616.6	-	REHAB MH	1	LA JOLLA	B10S	71165	-
20	1227H6	ROSELAND, PL	114	107	5	REHAB MH	1	LA JOLLA	B10S	70870	112
20	1227H6	ROSELAND, PL	113	92.43	15	REHAB MH	1	LA JOLLA	B10S	70869	107.43
21	1268B3	SOUTH SHORE, RD	58	-2.51	21	REHAB MH	2	MISSION BAY	C17S	77510	18.49

PIPELINE REHABILITATION AI-1

Sewer Manholes
WBS No: B-15187

MAP SHT NO.	THOMAS BROTHERS	STREET NAME	MH ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	COUNCIL DISTRICT	COMMUNITY	GATE PAGE	FSN	RIM ELEV
21	1268B3	SOUTH SHORE, RD	57	-1.83	20	REHAB MH	2	MISSION BAY	C17S	77509	18.17
22	1248B6	CROWN PT, DR	104	-1.97	14	REHAB MH	2	PACIFIC BEACH	C15S	77290	12.03
22	1248B6	CROWN PT, DR	103	-1.85	15	REHAB MH	2	PACIFIC BEACH	C15S	77289	13.15
23	1268B6	VALETA, ST	135	10.99	5	REHAB MH	2	PENINSULA	C19S	77852	15.99
23	1268B6	VALETA, ST	133	9.5	7	REHAB MH	2	PENINSULA	C19S	77850	16.5
24	1288A3	SAN ELIJO, ST	78	92.12	6	REHAB MH	2	CLAIREMONT	C22S	79121	98.12
25	1268B6	ZOLA, ST	362	110.12	6	REHAB MH	2	PENINSULA	C19S	78017	116.12
25	1268B6	ZOLA, ST	358	60.82	6	REHAB MH	2	PENINSULA	C19S	78014	66.82
26	1248D3	MORAGA, AVE	230	306.51	16	REHAB MH	2	CLAIREMONT	D12S	81801	322.51
26	1248D4	MORAGA, AVE	228	307.73	18	REHAB MH	2	CLAIREMONT	D12S	81799	325.73
27	1248D3	BALBOA, AVE	202	65.77	16	REHAB MH	2	CLAIREMONT	D13S	82116	81.77
27	1248D3	BALBOA, AVE	200	60.46	25	REHAB MH	2	CLAIREMONT	D13S	82114	85.46
28	1248F1	DIANE, AVE	252	295.12	7	REHAB MH	6	CLAIREMONT	E11S	85009	302.12
28	1248F1	DIANE, AVE	251	277.6	21	REHAB MH	6	CLAIREMONT	E11S	85008	298.6
29	1248H4	ROLLSREACH, DR	274	254.64	9	REHAB MH	6	CLAIREMONT	F13S	89300	263.64
29	1248H5	MARLESTA, DR	125	224.97	17	REHAB MH	6	CLAIREMONT	F14S	89577	241.97
29	1248H6	MARLESTA, DR	122	237.9	5	REHAB MH	6	CLAIREMONT	F14S	89574	242.9
29	1248H7	MARLESTA, DR	121	254.07	11	REHAB MH	6	CLAIREMONT	F13S	89573	265.07
30	1209A3	NEW SALEM, ST	152	394.66	19	REHAB MH	6	MIRA MESA	G04S	93060	413.66
30	1209A3	NEW SALEM, ST	149	395.65	20	REHAB MH	6	MIRA MESA	G04S	93057	415.65
31	1249B5	KEARNY VILLA, LN	444	410.5	6	REHAB MH	7	SERRA MESA	G14S	5657157	416.5
31	1249B5	KEARNY VILLA, LN	175	409.33	8	REHAB MH	7	SERRA MESA	G14S	94374	417.33
31	1249B5	KEARNY VILLA, LN	169	406.83	7	REHAB MH	7	SERRA MESA	G14S	94368	413.83
32	1269A2	FRAZEE, RD	229	72.84	19	REHAB MH	7	MISSION VALLEY	G16S	94953	91.84
32	1269A2	FRAZEE, RD	228	73.68	8	REHAB MH	7	MISSION VALLEY	G16S	94952	81.68
32	1269A2	FRAZEE, RD	227	74.09	8	REHAB MH	7	MISSION VALLEY	G16S	94951	82.09
32	1269A2	FRAZEE, RD	226	107.76	3	REHAB MH	7	MISSION VALLEY	G16S	94950	110.76
33	1249D5	CHAUNCEY, DR	340	387.53	6	REHAB MH	7	SERRA MESA	H14S	100006	393.53
33	1249D5	CHAUNCEY, DR	338	387.53	3	REHAB MH	7	SERRA MESA	H14S	100004	390.53
34	1249E6	MARATHON, DR	17	335.38	9	REHAB MH	7	SERRA MESA	I15S	104417	344.38
34	1249E6	MARATHON, DR	16	324.83	22	REHAB MH	7	SERRA MESA	I15S	104416	346.83
35	1269F5	LANDIS, ST	21	276.5	10	REHAB MH	9	MID-CITY HTS	I19S	105459	286.5
35	1269F5	LANDIS, ST	6	277.92	18	REHAB MH	9	MID-CITY HTS	I19S	105444	295.92
36	1269F6	CHEROKEE, AVE	533	292.5	8	REHAB MH	9	MID-CITY HTS	I19S	105811	300.5
36	1269F6	CHEROKEE, AVE	226	271.5	11	REHAB MH	9	MID-CITY HTS	I19S	105630	282.5
37	1289G6	BIRCH, ST	224	2.68	0	REHAB MH	9	SO EAST SD	I24S	107444	2.68
37	1289G6	BIRCH, ST	142	3.06	7	REHAB MH	9	SO EAST SD	I24S	107367	10.06
38	1209H4	GRAYFOX, DR	169	690.27	10	REHAB MH	5	SCRIPPS RANCH	J04S	108755	700.27
38	1209H4	GRAYFOX, DR	168	673.71	16	REHAB MH	5	SCRIPPS RANCH	J04S	108754	689.71
39	1289J5	LOGAN, AVE	593	81.1	16	REHAB MH	4	ENCANTO	J24S	5014593	97.1
39	1289J5	LOGAN, AVE	52	79	18	REHAB MH	4	ENCANTO	J24S	112917	97
40	1250B6	SPEAR, ST	181	333.86	10	REHAB MH	7	NAVAJO	K15S	17126	343.86
40	1250B6	SPEAR, ST	125	333.31	7	REHAB MH	7	NAVAJO	K15S	117072	340.31
41	1250B7	ADOBE FALLS, RD	123	183.12	10	REHAB MH	7	NAVAJO	K16S	117341	193.12
41	1250B7	ADOBE FALLS, RD	75	151.04	12	REHAB MH	7	NAVAJO	K16S	117304	163.04
42	1290D1	MALLARD, ST	215	325.12	30	REHAB MH	4	ENCANTO	L21S	125989	355.12
42	1290D1	BLUEBIRD, ST	55	331.12	7	REHAB MH	4	ENCANTO	L21S	125833	338.12
43	1288B2	CARLETON, ST	19	2.93	9	REHAB MH	2	PENINSULA	C21S	78667	11.93
44	1270C2	MARY LANE, DR	166	454.12	5	REHAB MH	9	COLLEGE AREA	K17S	117604	459.12
44	1270C2	MARY LANE, DR	17	455.52	7	REHAB MH	9	COLLEGE AREA	L17S	124497	462.52

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
53736	1	271163	K25S	4	2112	RANCHO DR	1310C1
	2	368972	K25S	4	2105	RANCHO DR	1310C1
	3	271187	K25S	4	2120	RANCHO DR	1310C1
	4	378189	K25S	4	2128	RANCHO DR	1310C1
53747	5	5517222	K25S	4	2228	REO DR	1310C1
	6	271463	K25S	4	2228	REO DR	1310C1
	7	369174	L25S	4	2227	REO DR	1310D1
	8	271402	K25S	4	2219	REO DR	1310D1
	9	369173	K25S	4	2220	REO DR	1310C1
	10	369163	K25S	4	2212	REO DR	1310C1
	11	271376	K25S	4	2211	REO DR	1310C1
53748	12	271590	K25S	4	2217	FLINTRIDGE DR	1310C1
	13	369297	K25S	4	2216	FLINTRIDGE DR	1310C1
	14	271566	K25S	4	2211	FLINTRIDGE DR	1310C1
	15	271550	k25s	4	2203	FLINTRIDGE DR	1310C1
	16	369286	K25S	4	2216	FLINTRIDGE DR	1310C1
53753	17	271442	K25S	4	5730	POTOMAC ST	1310C1
	18	5036938	K25S	4	5714	POTOMAC ST	1310C1
	19	369202	K25S	4	5712	POTOMAC ST	1310C1
53754	20	369257	K25S	4	2162	FLINTRIDGE DR	1310C1
	21	369294	K25S	4	5635	POTOMAC ST	1310C1
	22	369275	K25S	4	5618	POTOMAC ST	1310C1
	23	369296	K25S	4	5627	POTOMAC ST	1310C1
	24	369307	K25S	4	5619	POTOMAC ST	1310C1
	25	369288	K25S	4	5618	POTOMAC ST	1310C1
	26	369318	K25S	4	5611	POTOMAC ST	1310C1
	27	271591	K25S	4	5542	POTOMAC ST	1310C1
	28	369331	K25S	4	5603	POTOMAC ST	1310C1
	29	369336	K25S	4	5543	POTOMAC ST	1310C1
53755	30	369234	K25S	4	5704	POTOMAC ST	1310C1
53756	31	271443	K25S	4	2141	FLINTRIDGE DR	1310C1
	32	369190	K25S	4	2150	FLINTRIDGE DR	1310C1
	33	369223	K25S	4	2162	FLINTRIDGE DR	1310C1
	34	271497	K25S	4	5704	POTOMAC ST	1310C1
53757	35	271629	K25S	4	2163	RACHAEL AVE	1310C1
	36	271626	K25S	4	5512	POTOMAC ST	1310C1
	37	369352	K25S	4	5511	POTOMAC ST	1310C1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
53757	38	369320	K25S	4	5520	POTOMAC ST	1310C1
	39	271656	K25S	4	5519	POTOMAC ST	1310C1
	40	271618	K25S	4	5526	POTOMAC ST	1310C1
	41	281365	K25S	4	5535	POTOMAC ST	1310C1
	42	271614	K25S	4	5534	POTOMAC ST	1310C1
	43	375916	K25S	4	5527	POTOMAC ST	1310C1
	44	369309	K25S	4	5540	POTOMAC ST	1310C1
53783	45	271418	K25S	4	5740	POTOMAC ST	1310C1
	46	369159	K25S	4	5748	POTOMAC ST	1310C1
	47	369178	K25S	4	2203	MORNINGSIDE ST	1310C1
	48	271388	K25S	4	5754	POTOMAC ST	1310C1
	49	271401	K25S	4	5765	POTOMAC ST	1310C1
	50	271367	K25S	4	5764	POTOMAC ST	1310C1
	51	271353	K25S	4	2160	REO DR	1310C1
53788	52	369038	L25S	4	5822	POTOMAC ST	1310D1
	53	369083	L25S	4	5821	POTOMAC ST	1310D1
	54	271292	K25S	4	5810	POTOMAC ST	1310C1
	55	271341	K25S	4	2203	REO DR	1310C1
	56	369085	K25S	4	2141	REO DR	1310C1
53814	57	272082	K26S	4	5506	CUMBERLAND ST	1310C1
	58	272117	K26S	4	5505	CUMBERLAND ST	1310C1
	59	272081	K26S	4	5512	CUMBERLAND ST	1310C1
	60	272119	K26S	4	5511	CUMBERLAND ST	1310C1
	61	272079	K26S	4	5518	CUMBERLAND ST	1310C1
	62	369664	K26S	4	5519	CUMBERLAND ST	1310C1
	63	272107	K26S	4	5525	CUMBERLAND ST	1310C1
	64	272077	K26S	4	5524	CUMBERLAND ST	1310C1
	65	272108	K26S	4	5535	CUMBERLAND ST	1310C1
53818	66	369726	K26S	4	5504	SHAW ST	1310C2
	67	272152	K26S	4	5505	CUMBERLAND ST	1310C1
	68	369671	K26S	4	5505	CUMBERLAND ST	1310C1
53820	69	369832	K26S	4	5506	WINCHESTER ST	1310C2
53824	70	369871	K26S	4	5505	WINCHESTER ST	1310C2
	71	272339	K26S	4	5516	WINCHESTER ST	1310C2
	72	272363	K26S	4	5511	WINCHESTER ST	1310C2
	73	378196	K26S	4	5515	WINCHESTER ST	1310C2
	74	369850	K26S	4	5523	WINCHESTER ST	1310C2

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
53824	75	272361	K26S	4	5523	WINCHESTER ST	1310C2
53828	76	271984	L26S	4	5757	CUMBERLAND ST	1310D1
	77	271995	L26S	4	5753	CUMBERLAND ST	1310D1
	78	271975	L26S	4	5750	CUMBERLAND ST	1310D1
	79	271980	L26S	4	5742	CUMBERLAND ST	1310D1
	80	369586	L26S	4	5743	CUMBERLAND ST	1310D1
53830	81	271892	K26S	4	5605	ALBEMARLE ST	1310C1
	82	369503	K26S	4	2304	WESTWOOD ST	1310C1
	83	369514	K26S	4	2311	WESTWOOD ST	1310C1
	84	369517	K26S	4	2314	WESTWOOD ST	1310C1
	85	369533	K26S	4	2324	WESTWOOD ST	1310C1
	86	369539	K26S	4	2319	WESTWOOD ST	1310C1
	87	271943	K26S	4	2329	WESTWOOD ST	1310C1
	88	369546	K26S	4	2332	WESTWOOD ST	1310C1
53834	89	369566	K26S	4	2327	RACHAEL AVE	1310C1
	90	369585	K26S	4	2345	RACHAEL AVE	1310C1
53838	91	272050	K26S	4	5704	CUMBERLAND ST	1310C1
	92	272062	K26S	4	5711	CUMBERLAND ST	1310C1
	93	272034	K26S	4	5712	CUMBERLAND ST	1310C1
	94	280795	K26S	4	5727	CUMBERLAND ST	1310D1
	95	272019	K26S	4	5716	CUMBERLAND ST	1310C1
	96	369587	K26S	4	5726	CUMBERLAND ST	1310C1
	97	271993	K26S	4	5734	CUMBERLAND ST	1310C1
53840	98	5039911	K26S	4	5528	CUMBERLAND ST	1310C1
	99	369593	K26S	4	2361	WESTWOOD ST	1310C1
	100	369579	K26S	4	2349	WESTWOOD ST	1310C1
	101	369574	K26S	4	2348	WESTWOOD ST	1310C1
	102	369564	K26S	4	2339	WESTWOOD ST	1310C1
	103	369554	K26S	4	2340	WESTWOOD ST	1310C1
53841	104	272064	K26S	4	2378	HOPKINS ST	1310C1
	105	369655	K26S	4	5619	CUMBERLAND ST	1310C1
	106	272068	K26S	4	5614	CUMBERLAND ST	1310C1
	107	369632	K26S	4	2375	WESTWOOD ST	1310C1
	108	272104	K26S	4	5611	CUMBERLAND ST	1310C1
	109	369657	K26S	4	5603	CUMBERLAND ST	1310C1
60341	110	368043	L25S	4	6290	ORISKANY RD	1290D7
60617	111	271686	L25S	4	2457	CALLE AGUADULCE	1310E1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60617	112	271689	L25S	4	2458	CALLE AGUADULCE	1310E1
	113	271677	L25S	4	2452	CALLE AGUADULCE	1310D1
	114	369357	L25S	4	2451	CALLE AGUADULCE	1310E1
60618	115	369153	L25S	4	2244	RANCHO DR	1310D1
	116	369135	L25S	4	2236	RANCHO DR	1310D1
	117	369105	L25S	4	2225	RANCHO DR	1310D1
	118	369123	L25S	4	2228	RANCHO DR	1310D1
	119	369109	L25S	4	2220	RANCHO DR	1310D1
	120	369090	L25S	4	2212	RANCHO DR	1310D1
	121	369062	L25S	4	5837	POTOMAC ST	1310D1
	122	271293	L25S	4	2206	RANCHO DR	1310D1
60619	123	271204	L25S	4	2125	RANCHO DR	1310D1
60620	124	369005	L25S	4	5903	POTOMAC ST	1310D1
	125	368999	L25S	4	5911	POTOMAC ST	1310D1
	126	368974	L25S	4	5910	POTOMAC ST	1310D1
	127	368996	L25S	4	5919	POTOMAC ST	1310D1
	128	271139	L25S	4	5920	POTOMAC ST	1310D1
	129	271135	L25S	4	5928	POTOMAC ST	1310D1
	130	368991	L25S	4	5927	POTOMAC ST	1310D1
	131	271159	L25S	4	5933	POTOMAC ST	1310D1
	132	271127	L25S	4	5936	POTOMAC ST	1310D1
60621	133	369004	L25S	4	5856	POTOMAC ST	1310D1
	134	369026	L25S	4	5861	POTOMAC ST	1310D1
	135	271228	L25S	4	5867	POTOMAC ST	1310D1
	136	271188	L25S	4	5856	POTOMAC ST	1310D1
	137	369016	L25S	4	5875	POTOMAC ST	1310D1
	138	368997	L25S	4	5872	POTOMAC ST	1310D1
	139	369011	L25S	4	5883	POTOMAC ST	1310D1
	140	271166	L25S	4	5882	POTOMAC ST	1310D1
60622	141	271238	L25S	4	5851	POTOMAC ST	1310D1
	142	369006	L25S	4	5858	POTOMAC ST	1310D1
	143	271249	L25S	4	5843	POTOMAC ST	1310D1
	144	271216	L25S	4	5850	POTOMAC ST	1310D1
	145	369017	L25S	4	5842	POTOMAC ST	1310D1
60624	146	271475	L25S	4	2243	REO DR	1310D1
	147	369231	L25S	4	2244	REO DR	1310D1
	148	271485	L25S	4	2236	REO DR	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60624	149	271457	L25S	4	2235	REG DR	1310D1
60626	150	369421	L25S	4	2490	CALLE AGUADULCE	1310E1
	151	369408	L25S	4	2505	CALLE AGUADULCE	1310E1
	152	271770	L25S	4	2504	CALLE AGUADULCE	1310E1
	153	271783	L25S	4	2514	CALLE AGUADULCE	1310E1
	154	271791	L25S	4	2524	CALLE AGUADULCE	1310E1
	155	271768	L25S	4	2529	CALLE AGUADULCE	1310E1
60633	156	271120	L25S	4	5942	POTOMAC ST	1310D1
	157	368976	L25S	4	5939	POTOMAC ST	1310D1
	158	271108	L25S	4	5952	POTOMAC ST	1290D7
	159	368970	L25S	4	5949	POTOMAC ST	1310D1
	160	271099	L25S	4	5960	POTOMAC ST	1290D7
	161	368964	L25S	4	5955	POTOMAC ST	1310D1
60650	162	368120	L25S	4	6195	RANGER RD	1290D7
60655	163	270493	L25S	4	UKN	MUNDA RD	1290D7
	164	270461	L25S	4	6195	RANGER RD	1290D7
	165	368452	L25S	6	UKN	MUNDA RD	1290D7
60694	166	271647	L25S	4	2446	CALLE AGUADULCE	1310D1
	167	369325	L25S	4	2441	CALLE AGUADULCE	1310E1
	168	369329	L25S	4	2440	CALLE AGUADULCE	1310D1
	169	271611	L25S	4	2434	CALLE AGUADULCE	1310D1
60695	170	271564	L25S	4	6175	CALLE TOCON	1310E1
	171	271560	L25S	4	6182	CALLE TOCON	1310E1
	172	271561	L25S	4	6172	CALLE TOCON	1310E1
	173	271603	L25S	4	6165	CALLE TOCON	1310E1
	174	271599	L25S	4	6161	CALLE TOCON	1310E1
	175	369284	L25S	4	6162	CALLE TOCON	1310E1
	176	369290	L25S	4	6152	CALLE TOCON	1310E1
60705	177	271050	L25S	4	2242	VALNER CT	1290E7
	178	271027	L25S	4	2252	VALNER CT	1290E7
	179	271003	L25S	4	2251	VALNER CT	1290E7
	180	368870	L25S	4	2241	VALNER CT	1290E7
	181	271025	L25S	4	2232	VALNER CT	1290E7
	182	368852	L25S	4	2231	VALNER CT	1290E7
	183	271002	L25S	4	2222	VALNER CT	1290E7
	184	270969	L25S	4	2221	VALNER CT	1290E7
	185	270989	L25S	4	2212	VALNER CT	1290E7

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60705	186	368826	L25S	4	2211	VALNER CT	1290E7
	187	368810	L25S	4	2201	VALNER CT	1290E7
60707	188	368815	L25S	4	6232	VALNER WY	1290D7
	189	368833	L25S	4	6235	VALNER WY	1290D7
	190	368830	L25S	4	6222	VALNER WY	1290D7
	191	368848	L25S	4	6225	VALNER WY	1290D7
	192	368865	L25S	4	6215	VALNER WY	1290D7
	193	270981	L25S	4	6212	VALNER WY	1290D7
	194	270996	L25S	4	6202	VALNER WY	1290D7
	195	368879	L25S	4	6204	VALNER WY	1290D7
60711	196	270963	L25S	4	6144	ROBERTS DR	1290D7
	197	368855	L25S	4	6151	ROBERTS DR	1290D7
	198	270956	L25S	4	6152	ROBERTS DR	1290D7
	199	270986	L25S	4	6159	ROBERTS DR	1290D7
	200	270943	L25S	4	6160	ROBERTS DR	1290D7
	201	368847	L25S	4	6167	ROBERTS DR	1290D7
	202	270937	L25S	4	2130	CALLE SERENA	1290D7
60712	203	368979	L25S	4	6127	POTOMAC ST	1310D1
	204	368984	L25S	4	6119	POTOMAC ST	1310D1
	205	271114	L25S	4	6120	POTOMAC ST	1290D7
	206	368985	L25S	4	6111	POTOMAC ST	1310D1
	207	368942	L25S	4	6112	POTOMAC ST	1290D7
	208	271153	L25S	4	6103	POTOMAC ST	1310D1
	209	271111	L25S	4	6102	POTOMAC ST	1290D7
	210	271151	L25S	4	6095	POTOMAC ST	1310D1
60713	211	270995	L25S	4	6111	ROBERTS DR	1290D7
	212	270978	L25S	4	6103	ROBERTS DR	1290D7
	213	271010	L25S	4	6119	ROBERTS DR	1290D7
	214	270977	L25S	4	6106	ROBERTS DR	1290D7
	215	271004	L25S	4	6127	ROBERTS DR	1290D7
	216	368845	L25S	4	6120	ROBERTS DR	1290D7
	217	368869	L25S	4	6135	ROBERTS DR	1290D7
	218	368840	L25S	4	6136	ROBERTS DR	1290D7
	219	368863	L25S	4	6143	ROBERTS DR	1290D7
60714	220	271103	L25S	4	2204	CALLE TREPADORA	1310D1
	221	271052	L25S	4	6192	POTOMAC ST	1290D7
	222	368936	L25S	4	6181	POTOMAC ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60714	223	271057	L25S	4	6182	POTOMAC ST	1290D7
	224	368944	L25S	4	2205	CALLE SERENA	1310D1
60715	225	271097	L25S	4	6144	POTOMAC ST	1290D7
60716	226	271097	L25S	4	6144	POTOMAC ST	1290D7
	227	271134	L25S	4	6151	POTOMAC ST	1310D1
	228	368967	L25S	4	6143	POTOMAC ST	1310D1
	229	368938	L25S	4	6136	POTOMAC ST	1290D7
	230	271148	L25S	4	6135	POTOMAC ST	1310D1
	231	368945	L25S	4	6128	POTOMAC ST	1290D7
60717	232	368979	L25S	4	6127	POTOMAC ST	1310D1
	233	271717	L25S	4	2364	RANCHO DR	1310D1
	234	271697	L25S	4	2375	RANCHO DR	1310D1
	235	369374	L25S	4	2358	RANCHO DR	1310D1
60718	236	369363	L25S	4	2352	RANCHO DR	1310D1
	237	369378	L25S	4	2533	CALLE TRES LOMAS	1310E1
60723	238	271684	L25S	4	2525	CALLE TRES LOMAS	1310E1
	239	270927	L25S	4	2145	CALLE SERENA	1290D7
	240	368821	L25S	4	2155	CALLE SERENA	1290D7
	241	368837	L25S	4	2165	CALLE SERENA	1290D7
	242	368861	L25S	4	2175	CALLE SERENA	1290D7
	243	368887	L25S	4	2185	CALLE SERENA	1290D7
60724	244	271053	L25S	4	2180	CALLE SERENA	1290D7
	245	271528	L25S	4	2335	SEA BREEZE DR	1310D1
	246	271505	L25S	4	2327	SEA BREEZE DR	1310D1
	247	271495	L25S	4	2319	SEA BREEZE DR	1310D1
	248	271467	L25S	4	2311	SEA BREEZE DR	1310D1
60728	249	271447	L25S	4	5987	ALBEMARLE ST	1310D1
60732	250	271713	L25S	4	2526	CALLE TRES LOMAS	1310E1
	251	271464	L25S	4	5946	ALBEMARLE ST	1310D1
	252	369239	L25S	4	5945	ALBEMARLE ST	1310D1
	253	271481	L25S	4	5938	ALBEMARLE ST	1310D1
	254	271514	L25S	4	5937	ALBEMARLE ST	1310D1
	255	369222	L25S	4	5930	ALBEMARLE ST	1310D1
	256	369224	L25S	4	5924	ALBEMARLE ST	1310D1
	257	369253	L25S	4	5921	ALBEMARLE ST	1310D1
	258	369256	L25S	4	5917	ALBEMARLE ST	1310D1
	259	271506	L25S	4	5916	ALBEMARLE ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60732	260	369240	L25S	4	2285	RANCHO DR	1310D1
60735	261	369108	L25S	4	2241	SEA BREEZE DR	1310D1
	262	271352	L25S	4	2276	SEA BREEZE DR	1310D1
60736	263	271425	L25S	4	5976	ALBEMARLE ST	1310D1
	264	271470	L25S	4	5973	ALBEMARLE ST	1310D1
	265	369169	L25S	4	5982	ALBEMARLE ST	1310D1
	266	369191	L25S	4	5981	ALBEMARLE ST	1310D1
	267	369162	L25S	4	2276	SEA BREEZE DR	1310D1
60737	268	369233	L25S	4	5951	ALBEMARLE ST	1310D1
	269	271450	L25S	4	5950	ALBEMARLE ST	1310D1
	270	369217	L25S	4	5959	ALBEMARLE ST	1310D1
	271	271445	L25S	4	5960	ALBEMARLE ST	1310D1
	272	271437	L25S	4	5968	ALBEMARLE ST	1310D1
	273	271487	L25S	4	5965	ALBEMARLE ST	1310D1
60739	274	271752	L25S	4	2376	RANCHO DR	1310D1
	275	271756	L25S	4	2376	RANCHO DR	1310D1
	276	271779	L25S	4	5827	CUMBERLAND ST	1310D1
60741	277	271765	L25S	4	6046	EDGEWATER ST	1310D1
	278	369451	L25S	4	6045	EDGEWATER ST	1310D1
	279	271769	L25S	4	6036	EDGEWATER ST	1310D1
	280	271800	L25S	4	6035	EDGEWATER ST	1310D1
60742	281	271639	L25S	4	2310	REO DR	1310D1
	282	369345	L25S	4	2310	REO DR	1310D1
	283	369376	L25S	4	2330	REO DR	1310D1
	284	271666	L25S	4	2315	REO DR	1310D1
	285	271685	L25S	4	2335	REO DR	1310D1
60743	286	271685	L25S	4	2335	REO DR	1310D1
	287	369393	L25S	4	2357	REO DR	1310D1
	288	271748	L25S	4	2356	REO DR	1310D1
	289	369423	L25S	4	2357	REO DR	1310D1
	290	369431	L25S	4	5842	CUMBERLAND ST	1310D1
60749	291	271415	L25S	4	5849	SCHUYLER ST	1310D1
	292	369185	L25S	4	2260	RANCHO DR	1310D1
	293	271468	L25S	4	2266	RANCHO DR	1310D1
	294	271451	L25S	4	2265	RANCHO DR	1310D1
	295	271492	L25S	4	2266	RANCHO DR	1310D1
	296	271480	L25S	4	2275	RANCHO DR	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60749	297	271513	L25S	4	2276	RANCHO DR	1310D1
60755	298	271702	L25S	4	2446	CALLE SERENA	1310D1
	299	271703	L25S	4	2445	CALLE SERENA	1310D1
	300	369388	L25S	4	2453	CALLE SERENA	1310D1
	301	271705	L25S	4	2466	CALLE AGUADULCE	1310E1
60756	302	271725	L25S	4	2472	CALLE AGUADULCE	1310E1
	303	271706	L25S	4	2463	CALLE AGUADULCE	1310E1
	304	369397	L25S	4	2478	CALLE AGUADULCE	1310E1
	305	271743	L25S	4	2484	CALLE AGUADULCE	1310E1
	306	369387	L25S	4	2469	CALLE AGUADULCE	1310E1
	307	369392	L25S	4	2491	CALLE AGUADULCE	1310E1
60761	308	369143	L25S	4	6020	ALBEMARLE ST	1310D1
	309	271390	L25S	4	6012	ALBEMARLE ST	1310D1
	310	271424	L25S	4	6005	ALBEMARLE ST	1310D1
	311	271397	L25S	4	2251	SEA BREEZE DR	1310D1
60765	312	271379	L25S	4	6136	ALBEMARLE ST	1310D1
	313	271413	L25S	4	2304	CALLE SERENA	1310D1
	314	369139	L25S	4	6128	ALBEMARLE ST	1310D1
	315	369170	L25S	4	6127	ALBEMARLE ST	1310D1
	316	369141	L25S	4	6120	ALBEMARLE ST	1310D1
	317	369177	L25S	4	6119	ALBEMARLE ST	1310D1
	318	271396	L25S	4	6112	ALBEMARLE ST	1310D1
	319	271433	L25S	4	6111	ALBEMARLE ST	1310D1
	320	271403	L25S	4	6104	ALBEMARLE ST	1310D1
	321	369186	L25S	4	6103	ALBEMARLE ST	1310D1
	322	369164	L25S	4	6068	ALBEMARLE ST	1310D1
	323	271454	L25S	4	6071	ALBEMARLE ST	1310D1
60766	324	369193	L25S	4	6061	ALBEMARLE ST	1310D1
	325	271408	L25S	4	6060	ALBEMARLE ST	1310D1
	326	271452	L25S	4	6051	ALBEMARLE ST	1310D1
	327	271404	L25S	4	6052	ALBEMARLE ST	1310D1
	328	369181	L25S	4	6041	ALBEMARLE ST	1310D1
	329	369154	L25S	4	6044	ALBEMARLE ST	1310D1
	330	271419	L25S	4	6031	ALBEMARLE ST	1310D1
	331	369149	L25S	4	6036	ALBEMARLE ST	1310D1
	332	271421	L25S	4	6021	ALBEMARLE ST	1310D1
	333	369145	L25S	4	6028	ALBEMARLE ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60768	334	271720	L25S	4	5932	CUMBERLAND ST	1310D1
	335	369407	L25S	4	5929	CUMBERLAND ST	1310D1
	336	271722	L25S	4	5932	CUMBERLAND ST	1310D1
	337	271749	L25S	4	5919	CUMBERLAND ST	1310D1
	338	369391	L25S	4	5924	CUMBERLAND ST	1310D1
	339	369422	L25S	4	5909	CUMBERLAND ST	1310D1
	340	271734	L25S	4	5916	CUMBERLAND ST	1310D1
60770	341	369400	L25S	4	5910	CUMBERLAND ST	1310D1
	342	369264	L25S	4	6112	CUMBERLAND ST	1310D1
	343	271548	L25S	4	6108	CUMBERLAND ST	1310D1
	344	271576	L25S	4	6111	CUMBERLAND ST	1310D1
	345	369287	L25S	4	6104	CUMBERLAND ST	1310D1
	346	369303	L25S	4	6105	CUMBERLAND ST	1310D1
60771	347	369300	L25S	4	6102	CUMBERLAND ST	1310D1
	348	271635	L25S	4	6060	CUMBERLAND ST	1310D1
60779	349	271675	L25S	4	6051	CUMBERLAND ST	1310D1
	350	369362	L25S	4	2517	CALLE TRES LOMAS	1310E1
	351	271690	L25S	4	2518	CALLE TRES LOMAS	1310E1
	352	271653	L25S	4	2509	CALLE TRES LOMAS	1310E1
	353	271679	L25S	4	2510	CALLE TRES LOMAS	1310E1
	354	369341	L25S	4	2501	CALLE TRES LOMAS	1310E1
	355	271670	L25S	4	2502	CALLE TRES LOMAS	1310E1
	356	369328	L25S	4	2491	CALLE TRES LOMAS	1310E1
60805	357	369351	L25S	4	2490	CALLE TRES LOMAS	1310E1
	358	271640	L25S	4	2482	CALLE TRES LOMAS	1310E1
	359	271644	L25S	4	2534	GOETZE ST	1310E1
60804	360	369302	L25S	4	2523	GOETZE ST	1310E1
	361	271620	L25S	4	2526	GOETZE ST	1310E1
	362	271598	L25S	4	2518	GOETZE ST	1310E1
	363	271552	L25S	4	2510	GOETZE ST	1310E1
	364	271547	L25S	4	2511	GOETZE ST	1310E1
60808	365	271532	L25S	4	2502	GOETZE ST	1310E1
	366	271518	L25S	4	2501	GOETZE ST	1310E1
	367	271500	L25S	4	2497	CALLE QUEBRADA	1310E1
	368	271534	L25S	4	2486	CALLE QUEBRADA	1310E1
	369	271496	L25S	4	2487	CALLE QUEBRADA	1310E1
	370	271519	L25S	4	2478	CALLE QUEBRADA	1310E1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60812	371	271633	L25S	4	2535	GOETZE ST	1310E1
	372	369353	L25S	4	2542	GOETZE ST	1310E1
	373	369334	L25S	4	2543	GOETZE ST	1310E1
	374	369369	L25S	4	2550	GOETZE ST	1310E1
	375	369359	L25S	4	2551	GOETZE ST	1310E1
	376	271693	L25S	4	2560	GOETZE ST	1310E1
	377	369372	L25S	4	2561	GOETZE ST	1310E1
	378	271709	L25S	4	2570	GOETZE ST	1310E1
	379	369380	L25S	4	2571	GOETZE ST	1310E1
60815	380	369394	L25S	4	2580	GOETZE ST	1310E1
	381	271724	L25S	4	2581	GOETZE ST	1310E1
	382	369406	L25S	4	2590	GOETZE ST	1310E1
	383	369401	L25S	4	6402	GOETZE ST	1310E1
60818	384	271789	L25S	4	6371	SEASCAPE DR	1310E1
	385	369458	L25S	4	6361	SEASCAPE DR	1310E1
	386	369447	L25S	4	6360	SEASCAPE DR	1310E1
	387	369460	L26S	4	6340	SEASCAPE DR	1310E1
	388	271831	L26S	4	6351	SEASCAPE DR	1310E1
	389	271824	L26S	4	6340	SEASCAPE DR	1310E1
	390	271844	L26S	4	6341	SEASCAPE DR	1310E1
60819	391	369414	L25S	4	6418	SEASCAPE DR	1310E1
	392	369412	L25S	4	6410	SEASCAPE DR	1310E1
	393	271778	L25S	4	6403	SEASCAPE DR	1310E1
60820	394	271409	L25S	4	2411	CALLE TRES LOMAS	1310E1
	395	271429	L25S	4	2419	CALLE TRES LOMAS	1310E1
	396	369195	L25S	4	2426	CALLE TRES LOMAS	1310E1
	397	369200	L25S	4	2427	CALLE TRES LOMAS	1310E1
	398	369216	L25S	4	2434	CALLE TRES LOMAS	1310E1
60835	399	271787	L25S	4	6417	SEASCAPE DR	1310E1
	400	271753	L25S	4	6424	SEASCAPE DR	1310E1
	401	369450	L25S	4	6425	SEASCAPE DR	1310E1
	402	271762	L25S	4	6430	SEASCAPE DR	1310E1
	403	369433	L25S	4	6436	SEASCAPE DR	1310E1
	404	271816	L25S	4	6437	SEASCAPE DR	1310E1
	405	271817	L25S	4	6441	SEASCAPE DR	1310E1
60840	406	271763	L25S	4	6491	SEASCAPE DR	1310E1
	407	369399	L25S	4	6490	SEASCAPE DR	1310E1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60840	408	369434	L25S	4	6485	SEASCAPE DR	1310E1
	409	369405	L25S	4	6484	SEASCAPE DR	1310E1
60841	410	271811	L26S	4	6455	SEASCAPE DR	1310E1
	411	271809	L26S	4	6451	SEASCAPE DR	1310E1
	412	271772	L25S	4	6448	SEASCAPE DR	1310E1
	413	369438	L25S	4	6442	SEASCAPE DR	1310E1
	414	369467	L25S	4	6447	SEASCAPE DR	1310E1
60842	415	271774	L25S	4	6479	SEASCAPE DR	1310E1
	416	271745	L25S	4	6478	SEASCAPE DR	1310E1
	417	369416	L25S	4	6472	SEASCAPE DR	1310E1
	418	271786	L25S	4	6473	SEASCAPE DR	1310E1
	419	271757	L25S	4	6466	SEASCAPE DR	1310E1
	420	271794	L25S	4	6465	SEASCAPE DR	1310E1
	421	369426	L25S	4	6460	SEASCAPE DR	1310E1
	422	271766	L25S	4	6454	SEASCAPE DR	1310E1
60843	423	271501	L25S	4	2435	CALLE TRES LOMAS	1310E1
	424	271522	L25S	4	2442	CALLE TRES LOMAS	1310E1
	425	271529	L25S	4	2443	CALLE TRES LOMAS	1310E1
	426	369265	L25S	4	2450	CALLE TRES LOMAS	1310E1
	427	369269	L25S	4	2451	CALLE TRES LOMAS	1310E1
	428	271563	L25S	4	2458	CALLE TRES LOMAS	1310E1
	429	271562	L25S	4	2461	CALLE TRES LOMAS	1310E1
	430	271589	L25S	4	2466	CALLE TRES LOMAS	1310E1
	431	271615	L25S	4	2474	CALLE TRES LOMAS	1310E1
	432	369304	L25S	4	2471	CALLE TRES LOMAS	1310E1
	433	271640	L25S	4	2482	CALLE TRES LOMAS	1310E1
60858	434	270817	L25S	4	2111	VALNER CT	1290D7
	435	368744	L25S	4	2121	VALNER CT	1290D7
	436	270856	L25S	4	2120	VALNER CT	1290D7
	437	368773	L25S	4	2130	VALNER CT	1290D7
	438	270837	L25S	4	2131	VALNER CT	1290D7
	439	270885	L25S	4	2140	VALNER CT	1290D7
	440	270863	L25S	4	2141	VALNER CT	1290D7
	441	368783	L25S	4	2151	VALNER CT	1290D7
	442	270305	L25S	4	2161	VALNER CT	1290D7
60872	443	368371	L25S	4	UNKN	ORISKANY RD	1290D7
60885	444	369448	L25S	4	2535	CALLE AGUADULCE	1310E1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60885	445	369456	L25S	4	2534	CALLE AGUADULCE	1310E1
	446	271798	L25S	4	2545	CALLE AGUADULCE	1310E1
	447	271804	L26S	4	2553	CALLE AGUADULCE	1310E1
	448	271823	L26S	4	2544	CALLE AGUADULCE	1310E1
	449	271822	L26S	4	2553	CALLE AGUADULCE	1310E1
	450	271834	L26S	4	2554	CALLE AGUADULCE	1310E1
	451	369473	L26S	4	2563	CALLE AGUADULCE	1310E1
	452	369485	L26S	4	6230	ROANOKE ST	1310E1
60886	453	271042	L25S	4	6034	POTOMAC ST	1310D1
	454	271096	L25S	4	6027	POTOMAC ST	1310D1
	455	368900	L25S	4	6026	POTOMAC ST	1310D1
	456	368907	L25S	4	6018	POTOMAC ST	1310D1
	457	271105	L25S	4	6019	POTOMAC ST	1310D1
	458	271124	L25S	4	2205	SEA BREEZE DR	1310D1
60887	459	368890	L25S	4	6042	POTOMAC ST	1290D7
	460	368927	L25S	4	6035	POTOMAC ST	1310D1
	461	368895	L25S	4	6050	POTOMAC ST	1290D7
	462	368934	L25S	4	6051	POTOMAC ST	1310D1
	463	271060	L25S	4	6058	POTOMAC ST	1290D7
	464	271069	L25S	4	6066	POTOMAC ST	1290D7
	465	368948	L25S	4	6065	POTOMAC ST	1290D7
	466	271077	L25S	4	6074	POTOMAC ST	1290D7
	467	368951	L25S	4	6075	POTOMAC ST	1290D1
	468	368961	L25S	4	6083	POTOMAC ST	1310D1
	469	368961	L25S	4	6083	POTOMAC ST	1310D1
	470	271146	L25S	4	6089	POTOMAC ST	1310D1
	471	368937	L25S	4	6090	POTOMAC ST	1290D7
60890	472	369824	L26S	4	5723	WINCHESTER ST	1310D2
	473	369807	L26S	4	5720	WINCHESTER ST	1310D2
	474	369833	L26S	4	5715	WINCHESTER ST	1310D2
	475	369837	K26S	4	5709	WINCHESTER ST	1310D2
	476	369823	K26S	4	5712	WINCHESTER ST	1310D2
60897	477	271869	L26S	4	5821	CUMBERLAND ST	1310D1
	478	271839	L26S	4	2375	MORNINGSIDE ST	1310D1
	479	271860	L26S	4	5821	CUMBERLAND ST	1310D1
	480	369470	L26S	4	2370	REO DR	1310D1
	481	369479	L26S	4	2404	REO DR	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60899	482	271936	L26S	4	2444	REO DR	1310D1
	483	369510	L26S	4	2445	REO DR	1310D1
	484	271919	L26S	4	2444	REO DR	1310D1
	485	369508	L26S	4	2436	REO DR	1310D1
	486	271866	L26S	4	2431	REO DR	1310D1
	487	271888	L26S	4	2428	REO DR	1310D1
	488	271880	L26S	4	2428	REO DR	1310D1
60901	489	369692	L26S	4	5821	WINCHESTER ST	1310D1
	490	369682	L26S	4	5827	WINCHESTER ST	1310D1
	491	369673	L26S	4	5835	WINCHESTER ST	1310D1
	492	369667	L26S	4	2504	MORNINGSIDE ST	1310D1
	493	272085	L26S	4	2476	MORNINGSIDE ST	1310D1
60902	494	272203	L26S	4	5760	WINCHESTER ST	1310D1
	495	369458	L26S	4	5763	WINCHESTER ST	1310D2
	496	272189	L26S	4	5774	WINCHESTER ST	1310D1
	497	272214	L26S	4	5769	WINCHESTER ST	1310D2
	498	272180	L26S	4	5774	WINCHESTER ST	1310D1
	499	272200	L26S	4	5777	WINCHESTER ST	1310D2
	500	272187	L26S	4	5781	WINCHESTER ST	1310D1
	501	369713	L26S	4	5803	WINCHESTER ST	1310D1
	502	369683	L26S	4	2475	DEAUVILLE ST	1310D1
	503	272145	L26S	4	5813	WINCHESTER ST	1310D1
60903	504	272026	L26S	4	2469	MORNINGSIDE ST	1310D1
	505	272046	L26S	4	2468	MORNINGSIDE ST	1310D1
	506	369606	L26S	4	2460	MORNINGSIDE ST	1310D1
	507	272008	L26S	4	2459	MORNINGSIDE ST	1310D1
	508	369595	L26S	4	2452	MORNINGSIDE ST	1310D1
	509	271996	L26S	4	2451	MORNINGSIDE ST	1310D1
	510	271982	L26S	4	2443	MORNINGSIDE ST	1310D1
	511	369576	L26S	4	2444	MORNINGSIDE ST	1310D1
60923	512	272263	L26S	4	5833	ROANOKE ST	1310D2
	513	272227	L26S	4	5834	ROANOKE ST	1310D2
	514	272247	L26S	4	5841	ROANOKE ST	1310D2
	515	369452	L26S	4	5842	ROANOKE ST	1310D1
	516	272229	L26S	4	5849	ROANOKE ST	1310D2
	517	369741	L26S	4	5850	ROANOKE ST	1310D1
	518	272199	L26S	4	5857	ROANOKE ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60923	519	369729	L26S	4	5858	ROANOKE ST	1310D1
60926	520	272258	L26S	4	5826	ROANOKE ST	1310D2
	521	272273	L26S	4	5825	ROANOKE ST	1310D2
	522	272279	L26S	4	5819	ROANOKE ST	1310D2
	523	369781	L26S	4	5818	ROANOKE ST	1310D2
	524	272269	L26S	4	5810	ROANOKE ST	1310D2
	525	369810	L26S	4	5809	ROANOKE ST	1310D2
	526	369798	L26S	4	5802	ROANOKE ST	1310D2
	527	272301	L26S	4	5801	ROANOKE ST	1310D2
	528	272288	L26S	4	5796	ROANOKE ST	1310D2
	529	272308	L26S	4	5795	ROANOKE ST	1310D2
60939	530	271948	L26S	4	5758	CUMBERLAND ST	1310D1
	531	271947	L26S	4	5766	CUMBERLAND ST	1310D1
	532	369523	L26S	4	5774	CUMBERLAND ST	1310D1
	533	271945	L26S	4	5775	CUMBERLAND ST	1310D1
	534	369512	L26S	4	5782	CUMBERLAND ST	1310D1
	535	271902	L26S	4	5788	CUMBERLAND ST	1310D1
	536	369522	L26S	4	2404	MORNINGSIDE ST	1310D1
60952	537	271983	L26S	4	6372	CLYDE AV	1310E1
	538	271987	L26S	4	6362	CLYDE AV	1310E1
	539	369599	L26S	4	6363	CLYDE AV	1310E1
	540	369603	L26S	4	6353	CLYDE AV	1310E1
	541	271994	L26S	4	6352	CLYDE AV	1310E1
	542	272002	L26S	4	6342	CLYDE AV	1310E1
60962	543	272030	L26S	4	2556	CALLE GAVIOTA	1310D1
	544	272006	L26S	4	2553	CALLE GAVIOTA	1310D1
	545	369596	L26S	4	2561	CALLE GAVIOTA	1310D1
60963	546	272167	L26S	4	2650	CALLE GAVIOTA	1310D1
	547	369723	L26S	4	6055	RANCHO HILLS DR	1310D1
	548	272155	L26S	4	6052	RANCHO HILLS DR	1310D1
60974	549	271865	L26S	4	2592	CALLE TRES LOMAS	1310E1
	550	271873	L26S	4	6271	ROANOKE ST	1310E1
	551	271882	L26S	4	6261	ROANOKE ST	1310E1
60980	552	271951	L26S	4	6272	SEASCAPE DR	1310E1
60986	553	271877	L26S	4	2490	CALLE GAVIOTA	1310D1
	554	271913	L26S	4	2502	CALLE GAVIOTA	1310D1
	555	271922	L26S	4	6045	WINCHESTER ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60986	556	369502	L26S	4	6044	WINCHESTER ST	1310D1
	557	271927	L26S	4	6037	WINCHESTER ST	1310D1
	558	369506	L26S	4	6036	WINCHESTER ST	1310D1
	559	271929	L26S	4	6029	WINCHESTER ST	1310D1
60987	560	271776	L25S	4	6028	EDGEWATER ST	1310D1
	561	369453	L25S	4	2464	CALLE GAVIOTA	1310D1
	562	369443	L25S	4	6020	EDGEWATER ST	1310D1
	563	271801	L25S	4	6021	EDGEWATER ST	1310D1
	564	369452	L25S	4	2441	SEA BREEZE DR	1310D1
	565	271827	L26S	4	2449	SEA BREEZE DR	1310D1
	566	369461	L25S	4	5944	EDGEWATER ST	1310D1
	567	369478	L26S	4	5949	EDGEWATER ST	1310D1
60989	568	369463	L25S	4	5938	EDGEWATER ST	1310D1
	569	271969	L26S	4	2536	CALLE GAVIOTA	1310D1
	570	280794	L26S	4	6060	ROANOKE ST	1310D1
	571	281368	L26S	4	2537	CALLE GAVIOTA	1310D1
	572	281369	L26S	4	2519	CALLE GAVIOTA	1310D1
	573	375917	L26S	4	2527	CALLE GAVIOTA	1310D1
60990	574	369560	L26S	4	2545	CALLE GAVIOTA	1310D1
	575	272020	L26S	4	6036	ROANOKE ST	1310D1
	576	272052	L26S	4	6025	ROANOKE ST	1310D1
	577	272022	L26S	4	6028	ROANOKE ST	1310D1
	578	369621	L26S	4	6015	ROANOKE ST	1310D1
	579	272038	L26S	4	6004	ROANOKE ST	1310D1
60991	580	272058	L26S	4	6005	ROANOKE ST	1310D1
	581	369604	L26S	4	6075	ROANOKE ST	1310D1
	582				6045	ROANOKE ST	1310D1
	583	272011	L26S	4	6044	ROANOKE ST	1310D1
60992	584	369612	L26S	4	6035	ROANOKE ST	1310D1
	585	272083	L26S	4	5975	ROANOKE ST	1310D1
	586	369619	L26S	4	5978	ROANOKE ST	1310D1
	587	369622	L26S	4	5970	ROANOKE ST	1310D1
	588	272088	L26S	4	5967	ROANOKE ST	1310D1
	589	369625	L26S	4	5958	ROANOKE ST	1310D1
	590	369650	L26S	4	5955	ROANOKE ST	1310D1
	591	369633	L26S	4	5950	ROANOKE ST	1310D1
	592	272103	L26S	4	5949	ROANOKE ST	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60993	593	272113	L26S	4	5943	ROANOKE ST	1310D1
	594	369636	L26S	4	5942	ROANOKE ST	1310D1
	595	369641	L26S	4	5934	ROANOKE ST	1310D1
	596	272118	L26S	4	5933	ROANOKE ST	1310D1
	597	272091	L26S	4	5926	ROANOKE ST	1310D1
	598	378193	L26S	4	5911	ROANOKE ST	1310D1
	599	369680	L26S	4	5905	ROANOKE ST	1310D1
60999	600	369476	L26S	4	5943	EDGEWATER ST	1310D1
	601	369468	L26S	4	5932	EDGEWATER ST	1310D1
	602	369487	L26S	4	5925	EDGEWATER ST	1310D1
	603	271853	L26S	4	5925	EDGEWATER ST	1310D1
	604	369471	L26S	4	5924	EDGEWATER ST	1310D1
	605	369491	L26S	4	2455	RANCHO DR	1310D1
	606	271838	L26S	4	5908	EDGEWATER ST	1310D1
	607	271845	L26S	4	5908	EDGEWATER ST	1310D1
61002	608	271915	L26S	4	2471	RANCHO DR	1310D1
	609	271925	L26S	4	2468	RANCHO DR	1310D1
	610	271894	L26S	4	2463	RANCHO DR	1310D1
	611	369515	L26S	4	2462	RANCHO DR	1310D1
	612	271885	L26S	4	2456	RANCHO DR	1310D1
	613	369492	L26S	4	2448	RANCHO DR	1310D1
61003	614	272169	L26S	4	6131	SEASCAPE DR	1310E1
	615	272141	L26S	4	6120	SEASCAPE DR	1310E1
	616	369706	L26S	4	6121	SEASCAPE DR	1310E1
	617	369698	L26S	4	6111	SEASCAPE DR	1310E1
	618	272140	L26S	4	6101	SEASCAPE DR	1310E1
	619	369662	L26S	4	6104	SEASCAPE DR	1310E1
61005	620	369597	L26S	4	6178	SEASCAPE DR	1310E1
	621	369613	L26S	4	6183	SEASCAPE DR	1310E1
	622	272054	L26S	4	6170	SEASCAPE DR	1310E1
	623	369628	L26S	4	6175	SEASCAPE DR	1310E1
	624	272086	L26S	4	6169	SEASCAPE DR	1310E1
	625	272109	L26S	4	6163	SEASCAPE DR	1310E1
61008	626	272265	L26S	4	6136	RANCHO HILLS DR	1310E1
	627	369775	L26S	4	6128	RANCHO HILLS DR	1310D1
	628	369784	L26S	4	6131	RANCHO HILLS DR	1310D2
	629	272230	L26S	4	6120	RANCHO HILLS DR	1310D1

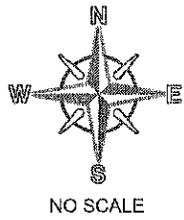
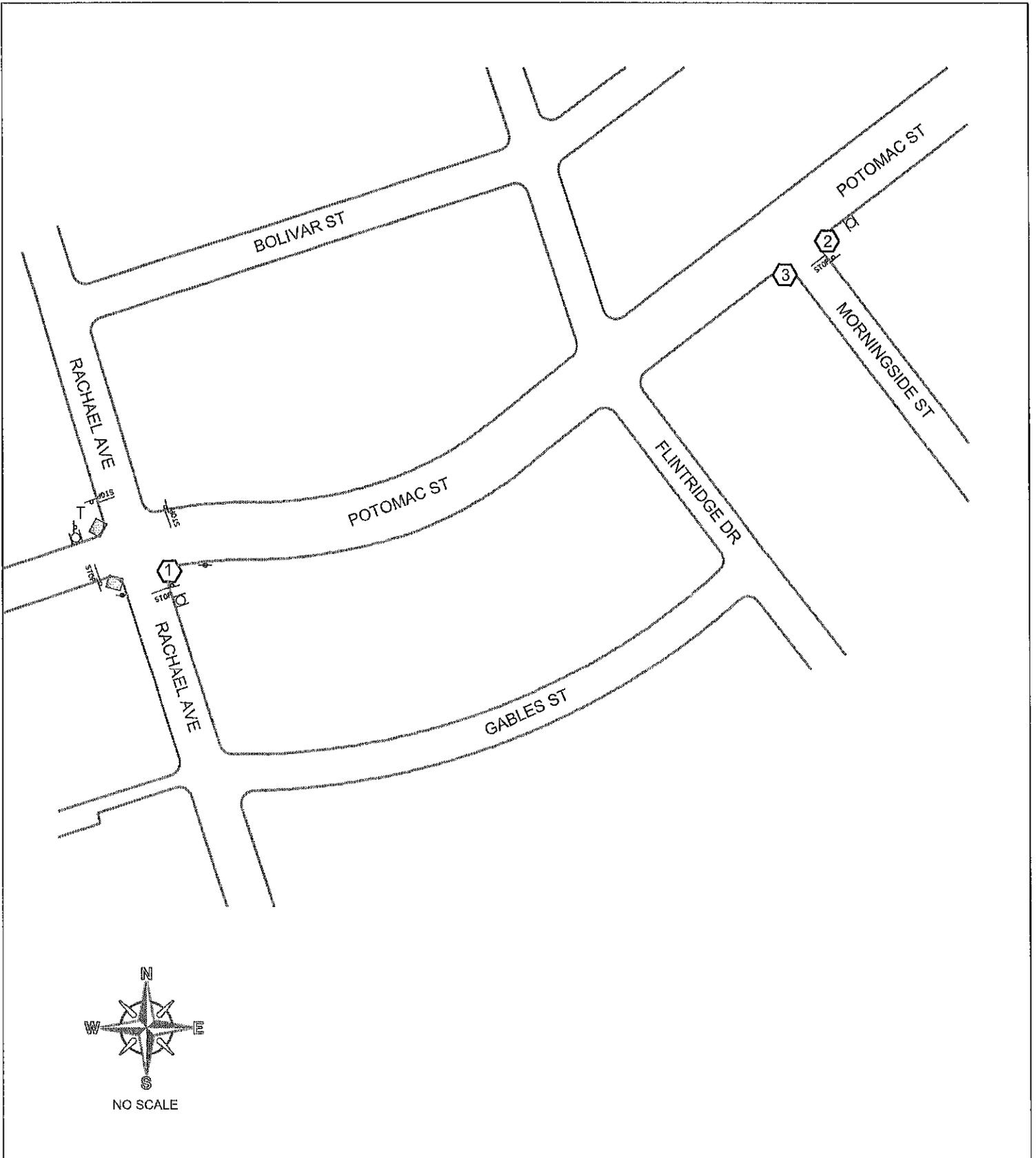
FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
61008	630	272251	L26S	4	6121	RANCHO HILLS DR	1310D2
	631	369769	L26S	4	6111	RANCHO HILLS DR	1310D2
	632	272209	L26S	4	6112	RANCHO HILLS DR	1310D1
	633	369756	L26S	4	6101	RANCHO HILLS DR	1310D1
	634	369733	L26S	4	6102	RANCHO HILLS DR	1310D1
	635	272204	L26S	4	6065	RANCHO HILLS DR	1310D1
61010	636	369796	L26S	4	6144	RANCHO HILLS DR	1310E2
	637	369806	L26S	4	6154	RANCHO HILLS DR	1310E2
	638	272292	L26S	4	6164	RANCHO HILLS DR	1310E2
61013	639	369466	L26S	4	2476	CALLE GAVIOTA	1310D1
	640	271814	L26S	4	6102	WINCHESTER ST	1310D1
61016	641	271863	L26S	4	6115	WINCHESTER ST	1310D1
	642	271836	L26S	4	6116	WINCHESTER ST	1310D1
	643	271849	L26S	4	6112	WINCHESTER ST	1310D1
	644	369494	L26S	4	6109	WINCHESTER ST	1310D1
	645	271856	L26S	4	6102	WINCHESTER ST	1310D1
	646	369498	L26S	4	6103	WINCHESTER ST	1310D1
61017	647	369459	L26S	4	2491	CALLE SERENA	1310D1
	648	271803	L26S	4	2484	CALLE SERENA	1310D1
	649	369454	L25S	4	2485	CALLE SERENA	1310D1
	650	369435	L25S	4	2477	CALLE SERENA	1310D1
	651	369440	L25S	4	2479	CALLE SERENA	1310D1
	652	271761	L25S	4	2466	CALLE SERENA	1310D1
	653	369419	L25S	4	2469	CALLE SERENA	1310D1
	654	369402	L25S	4	2461	CALLE SERENA	1310D1
61018	655	271934	L26S	4	2547	CALLE SERENA	1310E1
	656	369545	L26S	4	2546	CALLE SERENA	1310D1
	657	271935	L26S	4	2538	CALLE SERENA	1310D1
	658	271916	L26S	4	2528	CALLE SERENA	1310D1
	659	271896	L26S	4	2516	CALLE SERENA	1310D1
	660	271879	L26S	4	2510	CALLE SERENA	1310D1
61019	661	271912	L26S	4	6195	WINCHESTER ST	1310E1
	662	271872	L26S	4	6184	WINCHESTER ST	1310E1
	663	369497	L26S	4	6177	WINCHESTER ST	1310E1
	664	271852	L26S	4	6174	WINCHESTER ST	1310E1
	665	369490	L26S	4	6167	WINCHESTER ST	1310E1
61120	666	369765	L26S	4	2675	HOMEDALE ST	1310E1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
61120	667	272255	L26S	4	2682	HOMEDALE ST	1310E2
61131	668	272025	L26S	4	6343	CLYDE AV	1310E1
	669	369583	L26S	4	6332	CLYDE AV	1310E1
	670	272037	L26S	4	6333	CLYDE AV	1310E1
	671	272040	L26S	4	6323	CLYDE AV	1310E1
	672	272013	L26S	4	6322	CLYDE AV	1310E1
	673	369618	L26S	4	6313	CLYDE AV	1310E1
	674	369598	L26S	4	6312	CLYDE AV	1310E1
	675	369605	L26S	4	6302	CLYDE AV	1310E1
61132	676	271968	L26S	4	2674	RHOADES RD	1310E1
	677	271964	L26S	4	2675	RHOADES RD	1310E1
	678	271992	L26S	4	2682	RHOADES RD	1310E1
	679	271989	L26S	6	2683	RHOADES RD	1310E1
	680	272031	L26S	4	2688	RHOADES RD	1310E1
61183	681	271898	L26S	4	6241	ROANOKE ST	1310E1
	682	369511	L26S	4	6231	ROANOKE ST	1310E1
	683	271914	L26S	4	6221	ROANOKE ST	1310E1
	684	369520	L26S	4	6211	ROANOKE ST	1310E1
	685	369501	L26S	4	6194	WINCHESTER ST	1310E1
	686	271931	L26S	4	6204	WINCHESTER ST	1310E1
61185	687	271970	L26S	4	6273	SEASCAPE DR	1310E1
	688	369550	L26S	4	6262	SEASCAPE DR	1310E1
	689	271963	L26S	4	6252	SEASCAPE DR	1310E1
	690	369555	L26S	4	6242	SEASCAPE DR	1310E1
	691	271978	L26S	4	6232	SEASCAPE DR	1310E1
61187	692	369538	L26S	4	2666	RHOADES RD	1310E1
	693	271910	L26S	4	6352	GROSS ST	1310E1
	694	369519	L26S	4	2658	RHOADES RD	1310E1
	695	369496	L26S	4	2657	RHOADES RD	1310E1
	696	369499	L26S	4	2650	RHOADES RD	1310E1
61200	697	271854	L26S	4	2573	CALLE AGUADULCE	1310E1
	698	271890	L26S	4	6251	ROANOKE ST	1310E1
5209300	699	270162	L25S	4	189	ROCKY SHORE RD	1290D7
60734	700	271559	L25S	4	5921	ALBEMARLE ST	1310D1
	701	271580	L25S	4	2314	RANCHO DR	1310D1
	702	369289	L25S	4	2315	RANCHO DR	1310D1
	703	369306	L25S	4	2322	RANCHO DR	1310D1

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
60734	704	5058235	L25S	4	2321	RANCHO DR	1310D1
	705	271625	L25S	4	2330	RANCHO DR	1310D1
	706	369312	L25S	4	5904	LAUDER ST	1310D1
	707	271641	L25S	4	2338	RANCHO DR	1310D1
	708	271651	L25S	4	2344	RANCHO DR	1310D1
60966	709	369677	L26S	4	2610	CALLE GAVIOTA	1310D1
	710	369691	L26S	4	2630	CALLE GAVIOTA	1310D1
61015	711	271835	L26S	4	6156	WINCHESTER ST	1310E1
	712	271833	L26S	4	6156	WINCHESTER ST	1310E1
	713	369488	L26S	4	6157	WINCHESTER ST	1310E1
	714	369484	L26S	4	6149	WINCHESTER ST	1310E1
	715	271828	L26S	4	6150	WINCHESTER ST	1310E1
	716	271847	L26S	4	6143	WINCHESTER ST	1310E1
	717	271820	L26S	4	6144	WINCHESTER ST	1310E1
	718	369464	L26S	4	6138	WINCHESTER ST	1310E1
	719	369482	L26S	4	6137	WINCHESTER ST	1310E1
2899	720	5477995	B10S	4	7211	ROMERO DR	1227H7
	721	301893	B10S	4	7170	ENCELIA DR	1227H7
	722	301878	B10S	4	7181	ENCELIA DR	1227H7
2663	723	300259	B10S	4	7785	ROSELAND DR	1227H6
9593	724	213810	C17S	8	3115	SUNSET CLIFFS BLVD	1268B3
	725	213932	C17S	4	3115	SUNSET CLIFFS BLVD	1268B3
	726	214161	C17S	4	3115	SUNSET CLIFFS BLVD	1268B3
	727	280117	C17S	4	3115	SUNSET CLIFFS BLVD	1268B3
9366	728	5598206	C15S	4	UNKN		1248B6
11225	729	253144	C22S	4	667	SAN ELIJO ST	1288A3
	730	357269	C22S	4	667	SAN ELIJO ST	1288A3
	731	357239	C22S	4	3015	ROGERS ST	1288A3
	732	357260	C22S	4	3005	ROGERS ST	1288A3
10155	733	377484	C19S	4	2305	WARRINGTON ST	1268B6
	734	344931	C19S	4	2305	WARRINGTON ST	1268B6
	735	234683	C19S	4	3720	ZOLA ST	1268B6
13990	736	309464	D12S	4	4204	MORAGA AVE	1248D3
	737	309434	D12S	4	4203	MORAGA AVE	1248D3
	738	183340	D12S	4	4209	MORAGA AVE	1248D3
	739	183368	D12S	4	4210	MORAGA AVE	1248D3
	740	183279	D12S	4	4216	MORAGA AVE	1248D3

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
13990	741	309300	D12S	4	4215	MORAGA AVE	1248D3
	742	183207	D12S	4	4222	MORAGA AVE	1248D3
	743	309268	D12S	4	4221	MORAGA AVE	1248D3
17437	744	304879	E11S	4	4721	DIANE AVE	1248F1
	745	304834	E11S	4	4720	DIANE AVE	1248F1
	746	176977	E11S	4	4684	DIANE AVE	1248F1
22065	747	315443	F14S	4	UNKN	UNKN	1248H4
25627	748	161076	G04S	4	7841	NEW SALEM ST	1209A3
	749	294063	G04S	4	7849	NEW SALEM ST	1209A3
	750	161079	G04S	4	7857	NEW SALEM ST	1209A3
	751	161080	G04S	4	7865	NEW SALEM ST	1209A3
	752	161083	G04S	4	7871	NEW SALEM ST	1209A3
27037	753	194750	G14S	4	3201	KEARNY VILLA LN	1249B5
	754	317502	G14S	4	3201	KEARNY VILLA LN	1249B5
	755	194868	G14S	4	3201	KEARNY VILLA LN	1249B5
	756	317641	G14S	4	3201	KEARNY VILLA LN	1249B5
	757	317679	G14S	4	UNKN	UNKN	1249B5
	758	195059	G14S	4	3201	KEARNY VILLA LN	1249B5
	759	195102	G14S	4	3201	KEARNY VILLA LN	1249B5
32812	760	197718	H14S	4	2975	CHAUNCEY DR	1249D5
	761	197591	H14S	4	2987	CHAUNCEY DR	1249D5
37339	762	322517	I15S	4	2669	MISSION VILLAGE DR	1249E6
	763	322394	I15S	4	2677	MARATHON DR	1249E6
	764	201346	I15S	4	2677	MISSION VILLAGE DR	1249E6
	765	201119	I15S	4	2677	MARATHON DR	1249E6
	766	322266	I15S	6	2689	MISSION VILLAGE DR	1249E6
	767	322138	I15S	4	2677	MARATHON DR	1249E6
40445	768	268818	I24S	4	3653	BETA ST	1289G6
	769	367413	I24S	4	3616	BETA ST	1289G6
	770	268819	I24S	4	3649	BETA ST	1289G6
	771	268820	I24S	4	3641	BETA ST	1289G6
	772	268867	I24S	4	3610	BETA ST	1289G6
	773	268821	I24S	4	3631	BETA ST	1289G6
	774	268822	I24S	4	3596	BIRCH ST	1289G6
	775	268823	I24S	4	3596	BIRCH ST	1289G6
41875	776	295537	J04S	4	10284	GRAYFOX DR	1209H4
	777	163247	J04S	4	10281	GRAYFOX DR	1209H4

FSN of SWR Main	# of Laterals	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
41875	778	295568	J04S	4	10278	GRAYFOX DR	1209H4
	779	163316	J04S	4	10275	GRAYFOX DR	1209H4
	780	295602	J04S	4	10274	GRAYFOX DR	1209H4
	781	295651	J04S	4	10270	GRAYFOX DR	1209H4
	782	163381	J04S	4	10269	GRAYFOX DR	1209H4
50688	783	327653	K16S	4	5883	ADOBE FALLS RD	1250B7
	784	208339	K16S	4	5870	ADOBE FALLS RD	1250B7
	785	208346	K16S	4	5858	ADOBE FALLS RD	1250B7
	786	327667	K16S	4	5859	ADOBE FALLS RD	1250B7
	787	208353	K16S	4	5846	ADOBE FALLS RD	1250B7
	788	208466	K16S	4	5847	ADOBE FALLS RD	1250B7
	789	208368	K16S	4	5834	ADOBE FALLS RD	1250B7
59535	790	352405	L21S	4	2185	BLUEBIRD ST	1290D1
	791	352257	L21S	4	2237	BLUEBIRD ST	1290D1
	792	352232	L21S	4	2237	BLUEBIRD ST	1290D1
58036	793	330205	L17S	4	6181	MONTEZUMA RD	1270C2
	794	211999	L17S	4	6181	MONTEZUMA RD	1270C2
	795	212105	L17S	4	6162	MARY LANE DR	1270C2
	796	330207	L17S	4	6171	MONTEZUMA RD	1270C2
	797	212000	L17S	4	6165	MONTEZUMA RD	1270C2
	798	212118	L17S	4	6152	MARY LANE DR	1270C2
	799	212002	L17S	4	6159	MONTEZUMA RD	1270C2
	800	330254	L17S	4	6144	MARY LANE DR	1270C2
	801	212003	K17S	4	6147	MONTEZUMA RD	1270C2
	802	212109	K17S	4	6134	MARY LANE DR	1270C2
	803	212115	K17S	4	6124	MARY LANE DR	1270C2
	804	330209	K17S	4	6139	MONTEZUMA RD	1270C2
	805	330208	K17S	4	6121	MONTEZUMA RD	1270C2



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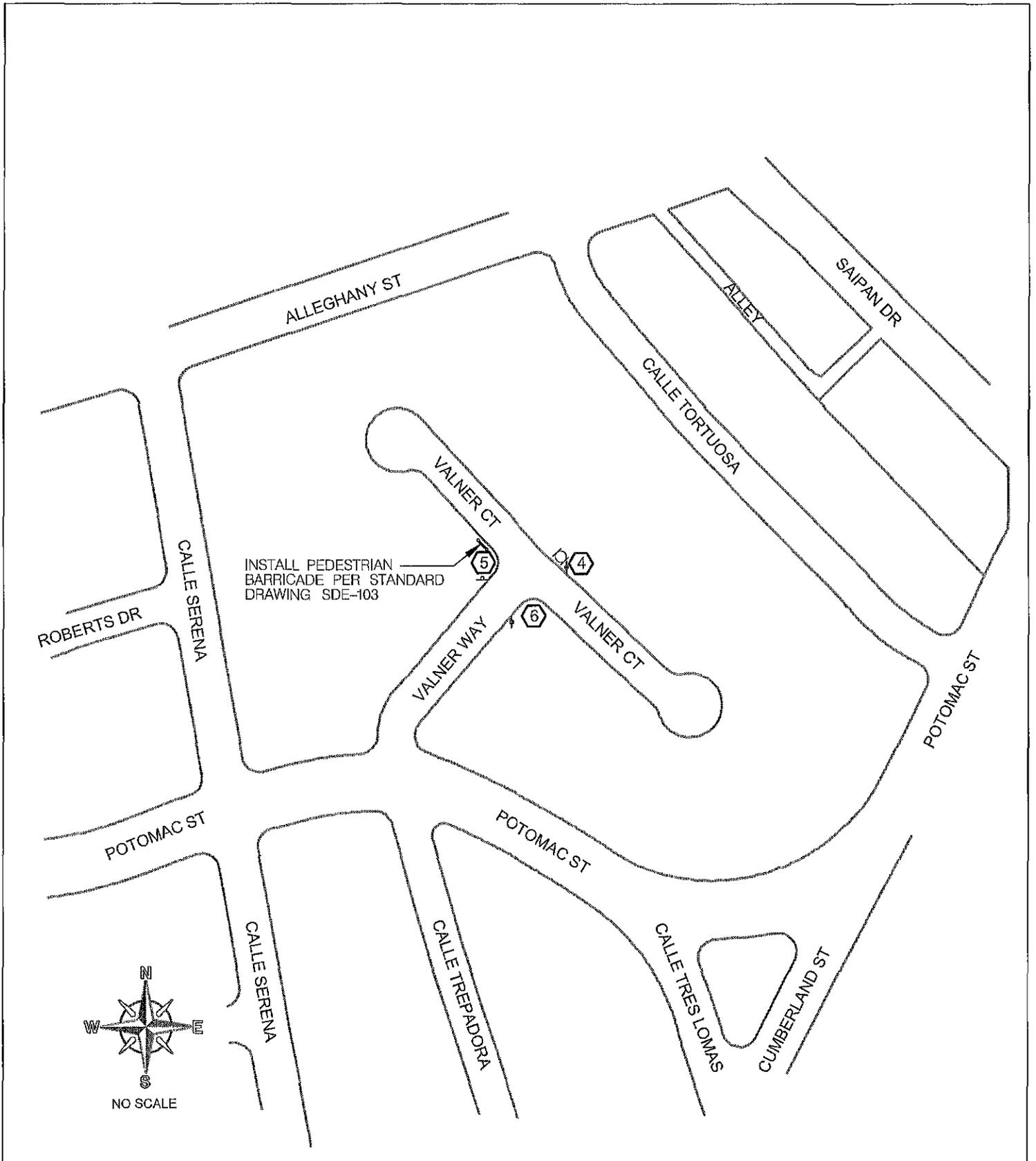
-  CURB RAMP NO
-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



PIPELINE REHABILITATION AI-1
 CURB RAMP LOCATION MAP
 POTOMAC ST - RACHAEL AVE
 POTOMAC ST - MORNINGSIDE ST

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 2 OF 8 SHEETS

B-15187



LEGEND:

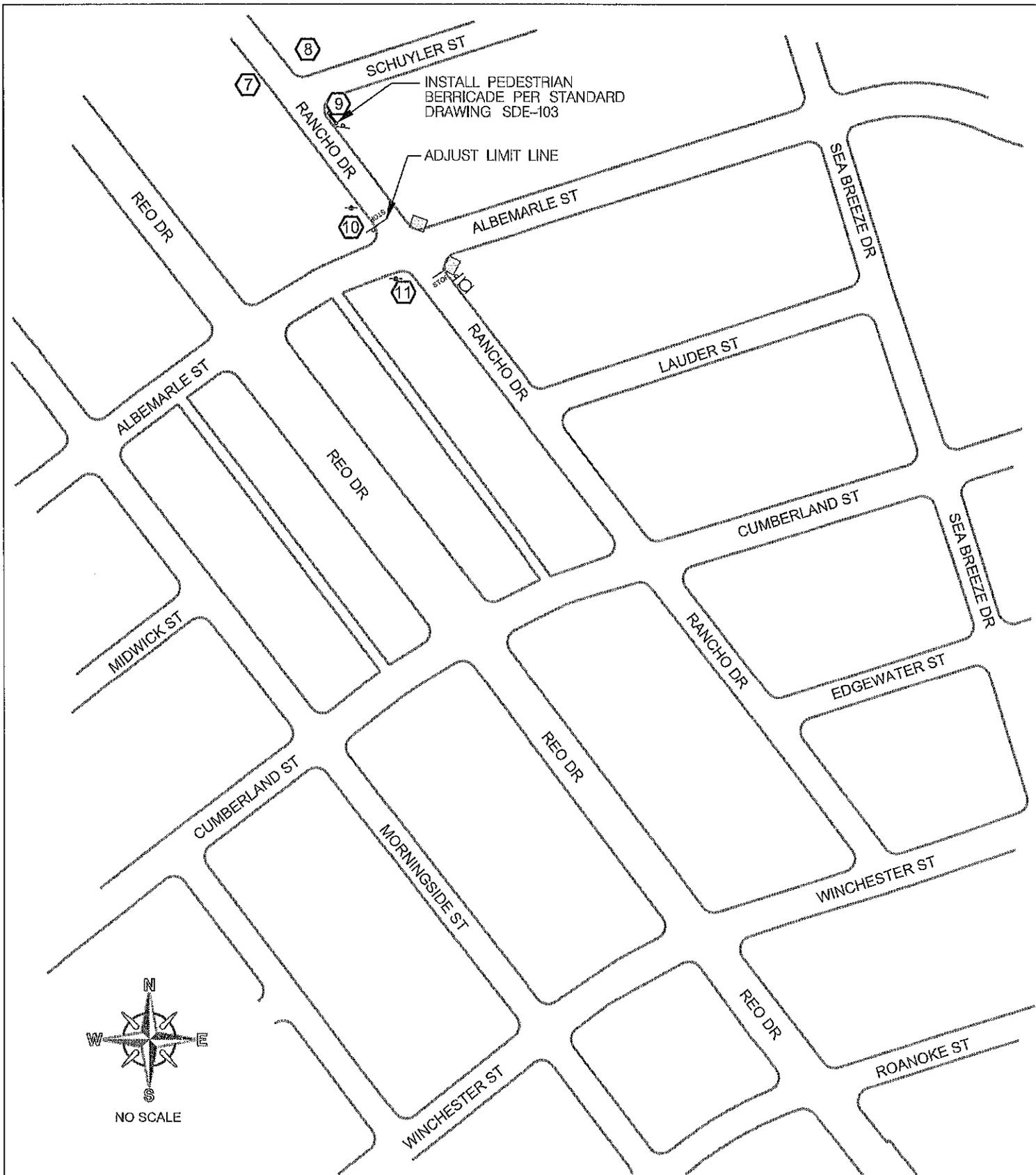
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-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



**PIPELINE REHABILITATION AI-1
CURB RAMP LOCATION MAP
VALNER WAY - VALNER CT**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 3 OF 8 SHEETS

B-15187



LEGEND:

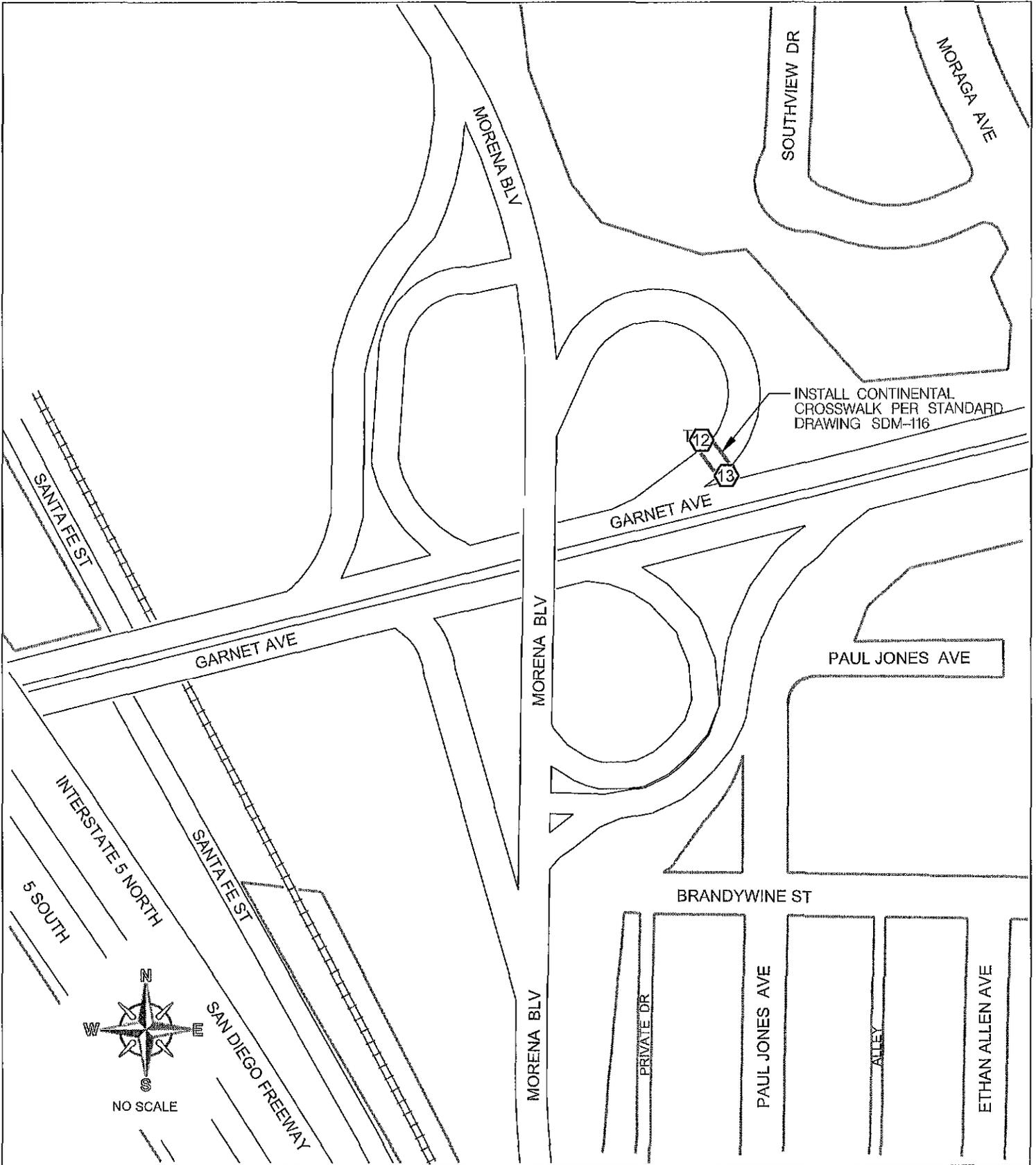
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-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



PIPELINE REHABILITATION AI-1
 CURB RAMP LOCATION MAP
 RANCHO DR – SCHUYLER ST
 RANCHO DR – ALBEMARLE ST

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 4 OF 8 SHEETS

B-15187



LEGEND:

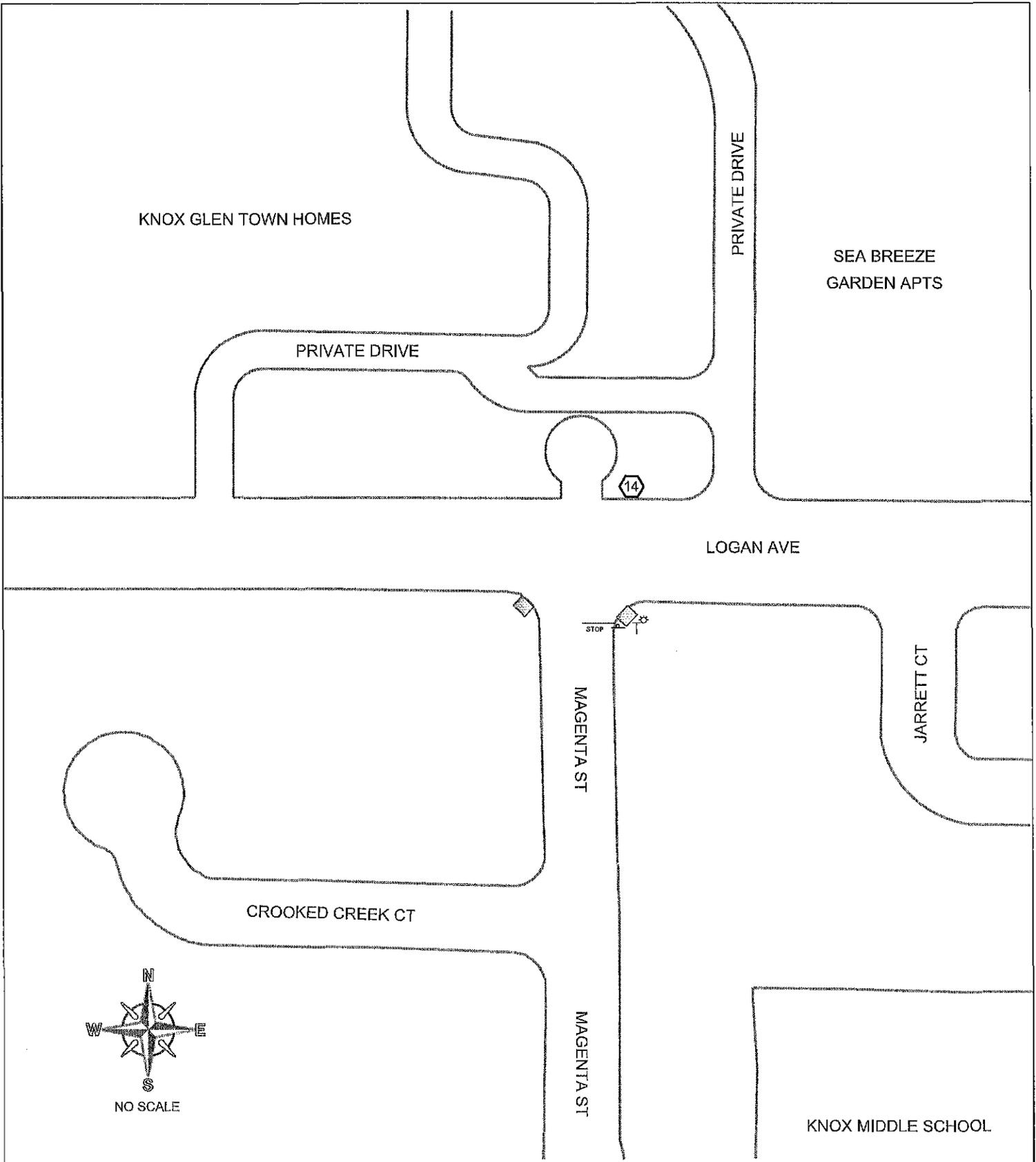
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-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



PIPELINE REHABILITATION AI-1
CURB RAMP LOCATION MAP
MORENA BLV & GARNET AVE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 5 OF 8 SHEETS

B-15187



LEGEND:

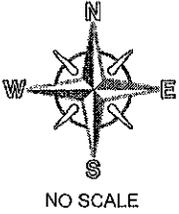
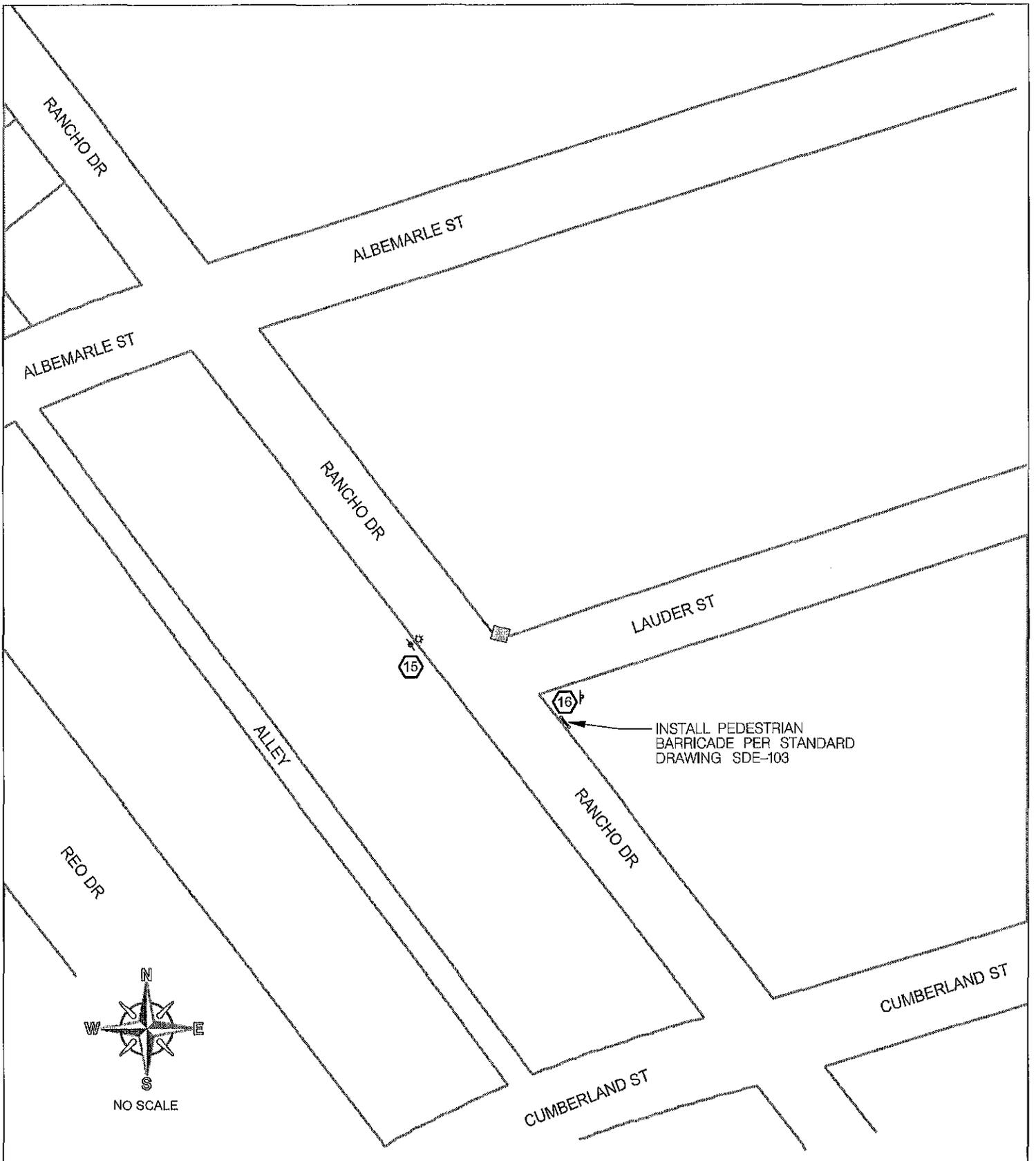
-  CURB RAMP NO
-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



PIPELINE REHABILITATION AI-1
 CURB RAMP LOCATION MAP
 LOGAN AVE – MAGENTA ST

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 6 OF 8 SHEETS

B-15187



LEGEND:

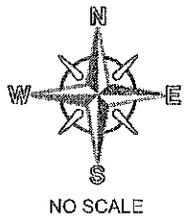
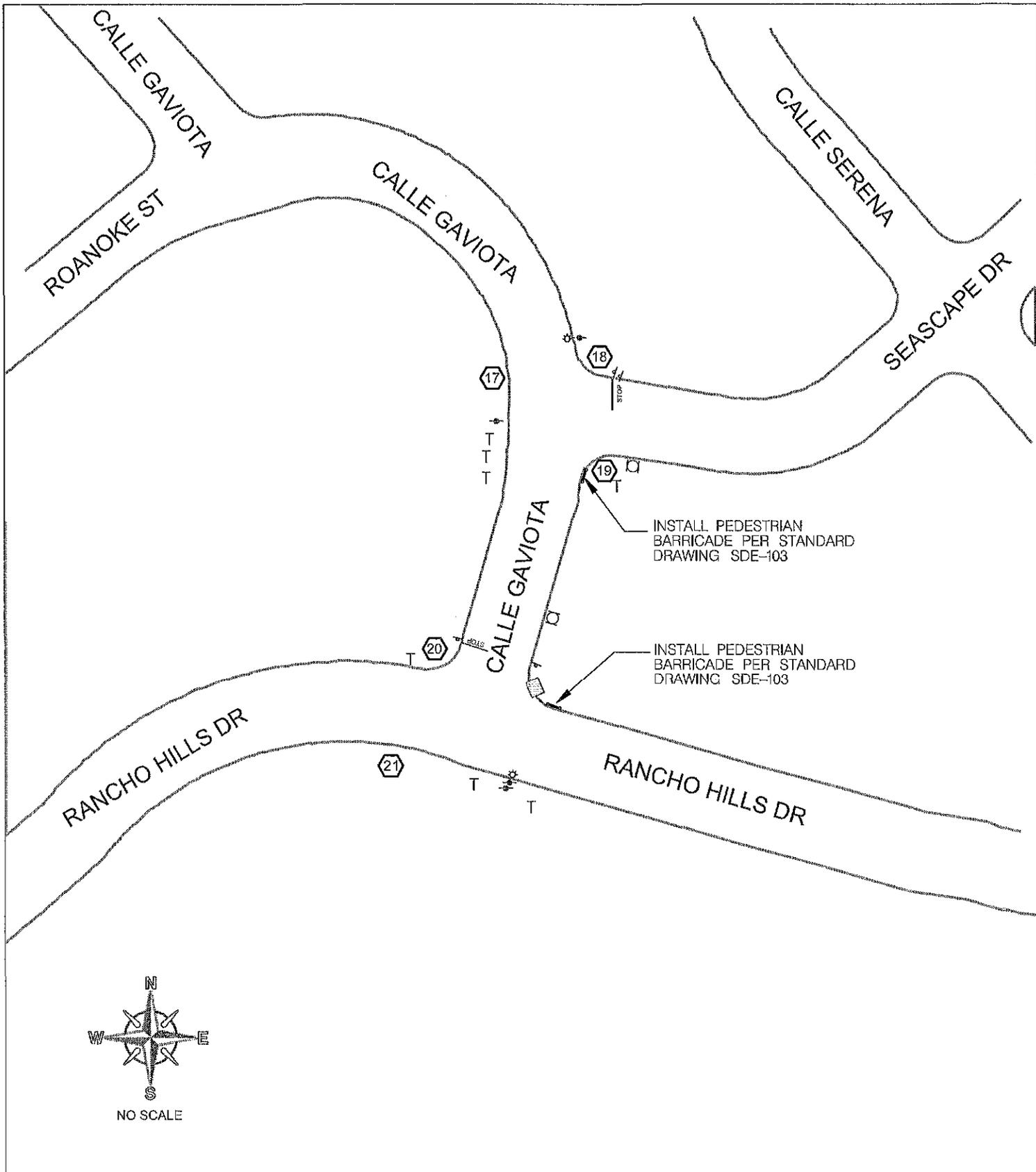
-  CURB RAMP NO
-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



**PIPELINE REHABILITATION AI-1
CURB RAMP LOCATION MAP
LAUDER ST - RANCHO DR**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 7 OF 8 SHEETS

B-15187



LEGEND:

-  CURB RAMP NO
-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



PIPELINE REHABILITATION AI-1

CURB RAMP LOCATION MAP

CALLE GAVIOTA – RANCHO HILLS DR

CALLE GAVIOTA – SEASCAPE DR

CITY OF SAN DIEGO, CALIFORNIA

PUBLIC WORKS DEPARTMENT

SHEET 8 OF 8 SHEETS

B-15187

APPENDIX H
HAZARDOUS LABEL/FORMS

HAZARDOUS WASTE

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

GENERATOR NAME _____
ADDRESS _____ 84 MR. PHONE () _____
CITY _____ STATE _____ ZIP _____
EPA ID NO. _____ MANIFEST DOCUMENT NO. _____
EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / ____ / ____

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

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

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

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

Questions for Incident Assessment:

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

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

Call 911 in an emergency

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

If in doubt, report the release.

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

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

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

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

APPENDIX I

SEWER MAINS, LATERALS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES

APPENDIX J
SAMPLE OF PUBLIC NOTICES



CONSTRUCTION NOTICE

PROJECT NAME

Trenching on your street is complete.

What you need to know:

- Pipe installation on your street is complete and construction crews are now installing new pipeline for this project at another location.
- You may see temporary trench plates or trench caps for some time –even after construction activities have concluded on your street.

Street resurfacing:

- Your Streets will be resurfaced once the entire pipeline project is complete.
- Concrete streets will not be resurfaced curb to curb; only the trench will be backfilled.
- Street resurfacing may be delayed due to the City's slurry seal moratorium.

Estimated resurfacing completion on your street:

(Insert Date-Month and Year)

For questions related to this work

Call: (619) 533-4207

Email: engineering@sandiego.gov

Visit: sandiego.gov/CIP



This information is available in alternative formats upon request.



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; Bid No. K-17-1461-DBB-3; in the amount of Four Million Two Hundred Fifty Six Thousand Six Hundred Eighty Two and 50/100 (\$4,256,682.50), 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) Phase Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AI-1**, on file in the office of the Public Works Department as Document No. **B-15187** 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 AI-1**, Bid Number **K-17-1461-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.

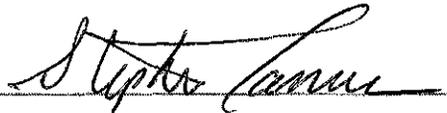
CONTRACT AGREEMENT (continued)

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

Jan I. Goldsmith, City Attorney

By 

By 

Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

Print Name: Pedro De Lara, Jr
Deputy City Attorney

Date: 10-19-2016

Date: 10/24/16

CONTRACTOR

By 

Print Name: Justin Duchaineau

Title: President

Date: 9-6-2016

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

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED
WITH BID UNDER 23 UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE
7106**

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 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 whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

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:

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. _____ ; SAP No. (WBS/IO/CC) _____; 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 _____, _____.

Contractor

by

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

COMPANY LETTERHEAD
CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

I certify that the material listed below complies with the materials and workmanship requirements of the Caltrans Contract Plans, Special Provisions, Standard Specifications, and Standard Plans for the contract listed above.

I also certify that I am an official representative for _____, the manufacturer of the material listed above. Furthermore, I certify that where California test methods, physical or chemical test requirements are part of the specifications, that the manufacturer has performed the necessary quality control to substantiate this certification.

Material Description:

Manufacturer: _____
Model: _____
Serial Number (if applicable) _____
Quantity to be supplied: _____
Remarks: _____

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego
Public Works Department, Field Division

NOTICE OF MATERIALS TO BE USED

To: _____ Date: _____, 20____
 Resident Engineer

You are hereby notified that the materials required for use under Contract No. _____
 for construction of _____
 _____,

in the City of San Diego, will be obtained from sources herein designated.

CONTRACT ITEM NO. (Bid Item)	KIND OF MATERIAL (Category)	NAME AND ADDRESS WHERE MATERIAL CAN BE INSPECTED (At Source)

It is requested that you arrange for a sampling, testing, and inspection of the materials prior to delivery, in accordance with Section 4-1.11 of the WHITEBOOK, where it is practicable, and in accordance with your policy. It is understood that source inspection does not relieve the Contractor of full responsibility for incorporating in the work, materials that comply in all respects with the contract plans and specifications, nor does it preclude subsequent rejection of materials found to be undesirable or unsuitable.

Distribution:

Supplier

Yours truly,

 Signature of Supplier

 Address

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 AI-1; K-17-1461-DBB-3

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 29th day of July,

20 16

Southwest Pipeline and Trenchless Corp. (SEAL)
(Principal)

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

By: [Signature]
Noemi Quiroz, Attorney-in-Fact
(Signature)



(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

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.

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations 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: 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 18th day of November, 2013.



American Fire and Casualty Company
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 18th day of November, 2013, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, 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 Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
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 American Fire and Casualty Company, 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, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, 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 29th day of July, 2016.



By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

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 JUL 29 2016, before me, Natalie K. Trofimoff, 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: Natalie K. Trofimoff
Natalie K. Trofimoff, Notary Public

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.

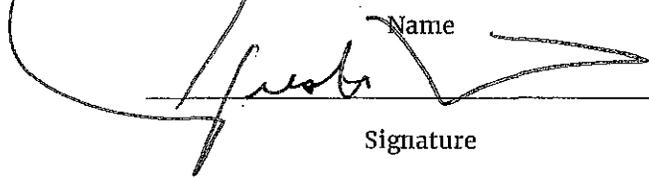
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- 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 _____ Date 8-2-2016
Signature

USE ADDITIONAL FORMS AS NECESSARY

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



For additional information, contact:
CITY OF SAN DIEGO

EQUAL BENEFITS PROGRAM

202 C Street, MS 9A, San Diego, CA 92101

COMPANY INFORMATION	
Company Name: Southwest Pipeline & Trenchless Corp.	Contact Name: Justin Duchaineau
Company Address: 22118 S. Vermont Ave., Torrance, CA 90502	Contact Phone: 310-329-8717
	Contact Email: justin@swpipeline.com

CONTRACT INFORMATION	
Contract Title: Pipeline Rehabilitation AI-1	Start Date:
Contract Number (if no number, state location): K-17-1461-DBB-3	End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
 - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
 - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at www.sandiego.gov/administration.

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

- I affirm **compliance** with the EBO because my firm (*contractor must select one reason*):
- Provides equal benefits to spouses and domestic partners.
 - Provides no benefits to spouses or domestic partners.
 - Has no employees.
 - Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.
- I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)] Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Justin Duchaineau- President		8-2-2016
Name/Title of Signatory	Signature	Date

FOR OFFICIAL CITY USE ONLY

Receipt Date: _____ EBO Analyst: _____ Approved Not Approved – Reason: _____

(Rev 02/15/2011)

City of San Diego

CITY CONTACT: Contract Specialist, Michelle Muñoz, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633

ADDENDUM "B"

 **C - Bidding** FOR

Pipeline Rehabilitation AI-1

BID NO.: K-17-1461-DBB-3
SAP NO. (WBS/IO/CC): B-15187
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 1, 2, 4, 5, 6, 7 & 9
PROJECT TYPE: JA

BID DUE DATE:

2:00 PM
AUGUST 9, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. CERTIFICATIONS AND FORMS

1. To Certifications and Forms, **ADD** Electronically Submitted Forms with page 3 of this Addendum.

James Nagelvoort, Director
Public Works Department

Dated: *August 1, 2016*
San Diego, California

JN/AR/mlw

ELECTRONICALLY SUBMITTED FORMS

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

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

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**

- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**

- C. EQUAL BENEFITS ORDINANCE - CERTIFICATION OF COMPLIANCE**

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

City of San Diego

CITY CONTACT: Contract Specialist, Michelle Muñoz, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633

ADDENDUM "A"

 **e - Bidding** FOR



Pipeline Rehabilitation AI-1

BID NO.: K-17-1461-DBB-3
SAP NO. (WBS/IO/CC): B-15187
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 1, 2, 4, 5, 6, 7 & 9
PROJECT TYPE: JA

BID DUE DATE:

2:00 PM
AUGUST 9, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101

ENGINEER OF WORK

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



1) For City Engineer

7/27/16
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. BIDDER'S QUESTIONS

Q1. Please clarify the Quantity for Line Item 50 (Rehabilitate Existing Manhole). The Line Items tab page reports a QTY of 16 but the Table and Maps in the Solicitation support a QTY of 74.

A1. QTY should be 74. See updated Bid List.

Q2. Bid Item 21 "Sewer Main Cleanout 6-inch", majority of the mains are 8 inches in diameter. And per City specs, we should be using main pipe size for the cleanout riser. Shouldn't this be change to 8" instead of 6"?

A2. Line item should read "Sewer Main Cleanout 8-Inch". See updated Bid List.

Q3. In Section 500-1.6.6, paragraph 3 it says that "The payment for point repairs shall be paid for in accordance with 500-1.2.7, "Payment". The Bid did not have a line item for lateral point repairs. Please clarify.

A3. The following bid item has been included in the bid list: "Point Repairs for Service Laterals". See updated Bid List.

Q4. Bid Item 4 - "Remove Asphalt Concrete Overlay". Please explain scope of work and locations where this item will be required.

A4. This bid item has been deleted.

Q5. Bid Item 51 - "Rehabilitate existing Manhole with Point Repair". We understood that the manhole will require rehab but what do you mean with Point Repair? Is this a main pipe point repair just upstream or downstream of the manhole? Please explain scope requirements.

A5. Point repair of manhole, as indicated on page 162 of the contract documents, is not limited to surface preparation and any type of repair in order for the lining to be applied. See section 500-2.10.2 Payment clause in the 2012 Greenbook.

Q6. Lateral Lining Rehabilitation Items 35-38 makes reference to Section 500-1.6. In Paragraph b) of Section 500-1.6.2 it says "The composite of the materials above shall, upon installation inside the host pipe, shall exceed the minimum test standards specified in Table 500-1.4.2 (A)." If testing is required for post

lateral lining, please specify sample size (e.g. 5% of all laterals lined)? And who will be responsible for the testing, the City Lab or the Contractor?

A6. No testing will be required.

B. NOTICE INVITING BIDS

1. To Item 3, Estimated Construction Cost, page 4, **DELETE** in its entirety and **SUBSTITUTE** with the following:

3. ESTIMATED CONSTRUCTION COST: The City's estimated construction cost for this project is **\$4,810,000**.

C. ADDITIONAL CHANGES

For clarity where applicable, ADDITIONS, if any, have been Underlined and DELETIONS, if any, have been Stricken out.

Section	Item Code	Description	Unit of Measure	Quantity	Payment Reference
Main Bid	237310	Remove Asphalt Concrete Overlay	SF	250	9-3.1
Main Bid	237110	Sewer Main Cleanout 6-inch Sewer Main Cleanout <u>8-inch</u>	<u>EA</u>	25 <u>27</u>	<u>306-1.6</u>
Main Bid	237110	Point Repair for Existing 8-Inch Sewer Main	EA	29 <u>30</u>	500-1.2.7
<u>Main Bid</u>	<u>237110</u>	<u>Point Repairs for Service Laterals</u>	<u>EA</u>	<u>205</u>	<u>500-1.6.6</u>
Main Bid	237110	Rehabilitate Existing Manhole	EA	16 <u>74</u>	500-2.10.2

James Nagelvoort, Director
Public Works Department

Dated: July 27, 2016
San Diego, California

JN/AR/mw

Bid Results for Project Pipeline Rehabilitation AI-1 (K-17-1461-DBB-3)

Issued on 07/06/2016

Bid Due on August 9, 2016 2:00 PM (Pacific)

Exported on 08/09/2016

VendorID	Company Name	Address	City	Zip Code	Contact	Phone	Fax	Email	Vendor Type
302463	Southwest Pipeline and Trenchless Corp.	22118 S. Vermont Avenue	Torrance	90502	Justin Duchaineau	310-329-8717 ext. 103	310-329-0981	rboiger@swpipeline.com	CADIR,PQUAL

Responsee	Responsee Title	Responsee Phone	Responsee Email
Justin Duchaineau	President	310-329-8717 ext. 104	justin@swpipeline.com

Bid Format	Submitted Date	Delivery Method	Responsive	Status	Confirmation #	Ranking
Electronic	August 9, 2016 1:37:58 PM (Pacific)			Submitted	85729	0

Attachments		
File Title	File Name	File Type
Contractor's Certification	Contractor's Certification.pdf	General Attachments
Equal Benefits Ordinance	EBO Certification.pdf	General Attachments
Bid Bond	Bid Bond.pdf	Bid Bond

Line Items							
Item Num	Section	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	LS	1	\$44,000.00	\$44,000.00
2	Main Bid	238990	Video Recording of Existing Conditions	LS	1	\$1,500.00	\$1,500.00
3	Main Bid	237310	Traffic Control	LS	1	\$10,000.00	\$10,000.00
4	Main Bid	237110	Mobilization	LS	1	\$15,000.00	\$15,000.00
5	Main Bid		Field Orders - Type II	AL	1	\$201,000.00	\$201,000.00
6	Main Bid	237310	Additional Pavement Removal & Disposal	CY	20	\$4.80	\$96.00
7	Main Bid	237310	Asphalt Pavement Repair	TON	10	\$500.00	\$5,000.00
8	Main Bid	237310	Rubber Polymer Modified Slurry (RPM) Type I Over Type III and Striping	SF	24500	\$1.15	\$28,175.00
9	Main Bid	237310	Concrete Pavement	CY	10	\$275.00	\$2,750.00
10	Main Bid	237310	Crack Seal	LB	40	\$20.00	\$800.00
11	Main Bid	237310	Contractor Date Stamp and Impressions	EA	16	\$175.00	\$2,800.00
12	Main Bid	237310	Cross Gutter	SF	580	\$14.50	\$8,410.00
13	Main Bid	237310	Residential Concrete Driveway	SF	576	\$13.75	\$7,920.00
14	Main Bid	237310	Alley Apron	SF	144	\$14.75	\$2,124.00
15	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles	EA	12	\$3,350.00	\$40,200.00
16	Main Bid	237310	Curb Ramp Type B with Detectable Warning Tiles	EA	7	\$3,000.00	\$21,000.00
17	Main Bid	237310	Curb Ramp Type C1 with Detectable Warning Tiles	EA	1	\$2,850.00	\$2,850.00
18	Main Bid	237310	Curb Ramp Type C2 with Detectable Warning Tiles	EA	1	\$2,850.00	\$2,850.00
19	Main Bid	237310	Temporary Resurfacing	TON	5	\$100.00	\$500.00
20	Main Bid	237110	Sewer Main Cleanout 8-inch	EA	27	\$4,500.00	\$121,500.00
21	Main Bid	237110	8-Inch Sewer Main	LF	711	\$175.00	\$124,425.00
22	Main Bid	237110	Manholes (4' x 3')	EA	11	\$10,000.00	\$110,000.00
23	Main Bid	237110	4-Inch Sewer Lateral & Cleanout (Street)	EA	18	\$3,000.00	\$54,000.00
24	Main Bid	237110	4-Inch Sewer Lateral & Cleanout (Street) Over 7-feet Depth	EA	2	\$3,500.00	\$7,000.00
25	Main Bid	237110	Video inspecting pipelines and culverts for Acceptance	LF	37740	\$0.35	\$13,209.00
26	Main Bid	237110	Cleaning and video inspecting pipelines and culverts	LF	37740	\$0.65	\$24,531.00
27	Main Bid	238210	Install Traffic Sign On Post	EA	1	\$350.00	\$350.00
28	Main Bid	238210	Install Type K Traffic Sign On Post	EA	1	\$350.00	\$350.00
29	Main Bid	541370	Survey Monuments	EA	4	\$1,200.00	\$4,800.00
30	Main Bid	237310	Removal of Traffic Striping and Curb Markings	LF	200	\$5.60	\$1,120.00
31	Main Bid	237310	Thermoplastic Traffic Stripes	LF	40	\$15.00	\$600.00
32	Main Bid	237310	Thermoplastic Pavement Markings	SF	50	\$16.00	\$800.00
33	Main Bid	237110	Lateral Launch Video	EA	809	\$30.00	\$24,270.00
34	Main Bid	237110	4-Inch Service Lateral Lining with Cleanout up to 7- Feet in Depth	EA	232	\$1,690.00	\$392,080.00
35	Main Bid	237110	4-Inch Sewer Lateral Lining with Cleanout Greater Than 7-Feet in Depth	EA	549	\$1,725.00	\$947,025.00
36	Main Bid	237110	6-Inch Service Lateral Lining with Cleanout Greater Than 7-Feet In Depth	EA	3	\$2,100.00	\$6,300.00
37	Main Bid	237110	8-Inch Service Lateral Lining with Cleanout Greater Than 7-Feet In Depth	EA	1	\$2,200.00	\$2,200.00
38	Main Bid	237110	Rehabilitate 8-Inch Sewer Main	LF	39893	\$23.00	\$779,539.00

39	Main Bid	237110	Rehabilitate 10-Inch Sewer Main	LF	1287	\$25.50	\$32,818.50	
40	Main Bid	237110	Rehabilitate 14-Inch Sewer Main	LF	245	\$75.00	\$18,375.00	
41	Main Bid	237110	Rehabilitate 15-Inch Sewer Main	LF	615	\$68.00	\$41,820.00	
42	Main Bid	237110	Rehabilitate 21-Inch Sewer Main	LF	431	\$75.00	\$32,325.00	
43	Main Bid	237110	Point Repair for Existing 8-Inch Sewer Main	EA	30	\$3,500.00	\$105,000.00	
44	Main Bid	237110	Point Repair for Existing 10-Inch Sewer Main	EA	1	\$3,700.00	\$3,700.00	
45	Main Bid	237110	Point Repair for Existing 14-Inch Sewer Main	EA	1	\$4,000.00	\$4,000.00	
46	Main Bid	237110	Point Repair for Existing 15-Inch Sewer Main	EA	2	\$4,500.00	\$9,000.00	
47	Main Bid	237110	Point Repair for Existing 21-Inch Sewer Main	EA	1	\$5,000.00	\$5,000.00	
48	Main Bid	237110	Point Repairs for Service Laterals	EA	205	\$1,000.00	\$205,000.00	
49	Main Bid	237110	Service Lateral Connection	EA	809	\$790.00	\$639,110.00	
50	Main Bid	237110	Rehabilitate Existing Manhole	EA	74	\$1,780.00	\$131,720.00	
51	Main Bid	237110	Rehabilitate Existing Manhole with Point Repair	EA	6	\$1,790.00	\$10,740.00	
52	Main Bid	541330	Water Pollution Control Program Development	LS	1	\$500.00	\$500.00	
53	Main Bid	237310	Water Pollution Control Program Implementation	LS	1	\$1,500.00	\$1,500.00	
54	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$5,000.00	\$5,000.00	
							Subtotal	\$4,256,682.50
							Total	\$4,256,682.50

Subcontractors								
Name	Description	License Num	Amount	Type	Address	Address 2	City	Zip Code
YBS CONCRETE INC.	Curb Ramps, Driveway, Concrete	885270	\$90,024.00	CADIR,ELBE,LAT,M ALE	821 KUHN DR. STE 204		CHULA VISTA	91914
American Asphalt South, Inc.	Slurry Seal	784969	\$26,460.00	CAU,MALE,PQUAL CADIR	PO Box 310036	14436 Santa Ana Ave	Fontana	92331
PiperIn Corporation	Open Cut, Lateral Cleanouts, Manholes, Point Repairs	964028	\$1,534,725.00	ELBE,PQUAL,CADI R	1185 Park Center Drive	Suite 5	Vista	92081
Easy Flow	Lateral Rehab, Clean/CCTV	960845	\$618,640.00	CADIR,CAU,ELBE, MALE	14275 Crystal View Lane		Poway	92064
Socal Pacific Construction Corp National Coating & Lining Company	Manhole Rehab	443117	\$139,920.00	CAU,MALE,SDB	26713 Madison Ave		Murrieta	92562

Self-Performance
43.39%