

City of San Diego

ORIGINAL

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless Corp.

ADDRESS: 22118 S. Vermont Ave., Torrance, CA 90502

TELEPHONE NO.: 310-329-8717

FAX NO.: 310-329-0981

CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov

Phone No. (619) 533-3481, Fax No. (619) 533-3633

JSoriano/RWBustamante/Lad

SanTittle

CONTRACT DOCUMENTS



- Bidding

FOR

Pipeline Rehabilitation AF-1

BID NO.: _____ K-16-1353-DBB-3
SAP NO. (WBS/IO/CC): _____ B-14125
CLIENT DEPARTMENT: _____ 2012
COUNCIL DISTRICT: _____ 1
PROJECT TYPE: _____ JA

THIS CONTRACT IS 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

SEPTEMBER 17, 2015

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:



For City Engineer

8/18/15

Date

Seal:



TABLE OF CONTENTS

DESCRIPTION OF SECTION	PAGE NUMBER
1. NOTICE INVITING BIDS.....	4
2. INSTRUCTIONS TO BIDDERS	5
3. CONTRACT AGREEMENT AND PERFORMANCE BOND, LABOR AND MATERIALMEN’S BOND	18
1. Contract Agreement	19
2. Performance Bond, Labor and Materialmen’s Bond.....	21
4. ATTACHMENTS:	
A. SCOPE OF WORK	24
B. PHASED FUNDING PROVISIONS	26
C. EQUAL OPPORTUNITY CONTRACTING PROGRAM	29
D. INTENTIONALLY LEFT BLANK.....	33
E. SUPPLEMENTARY SPECIAL PROVISIONS	34
1. Appendix A - Notice of Exemption	60
2. Appendix B - Fire Hydrant Meter Program	62
3. Appendix C - Materials Typically Accepted by Certificate of Compliance	76
4. Appendix D - Sample City Invoice	78
5. Appendix E - Location Map.....	80
6. Appendix F - Detail Maps, Easements, and Construction Notes	83
7. Appendix G - Mainline Rehabilitation Scope of Work.....	116
8. Appendix H - Rehabilitation Manhole Scope of Work.....	123
9. Appendix I - Replace-in-Place Manhole Scope of Work	125
10. Appendix J - Rehabilitation Lateral Scope of Work.....	127
11. Appendix K - Point-Repair Scope of Work	134
12. Appendix L - New Cleanout Scope of Work	136
13. Appendix M - Storm Drain Inlet Protection Plan	138
14. Appendix N - Curb Ramps Location & Details	147
15. Appendix O - Hazardous Labels/Forms.....	151
16. Appendix P - Sewer Mains & Manholes Rehabilitation Report Data Templates	157
17. Appendix Q - Permit To Do Work on Private Property	160
18. Appendix R - Sample of Public Notice	162
19. Appendix S – Resurfacing Plan.....	164
F. INTENTIONALLY LEFT BLANK.....	183
5. CERTIFICATIONS AND FORMS	184

CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **FULL AND OPEN COMPETITION:** This contract may only be bid by Contractors on the City's approved Prequalified Contractor's List (see Notice Inviting Bids, Prequalification of Contractors), regardless of the status for SLBE-ELBE qualification(s). For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
2. **SUMMARY OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described in ATTACHMENT A.
3. **PRE-BID MEETING:**
 - 3.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, pre-qualification process, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracts, Conference Room at 1010 Second Avenue, 14th Floor, San Diego, CA 92101 **at 10:00 A.M., on August 26, 2015.**
 - 3.2. All potential bidders are encouraged to attend.
4. **PREQUALIFICATION OF CONTRACTORS:**
 - 4.1. Contractors submitting Bid must be pre-qualified for the total amount proposed, inclusive of 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 will 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>
 - 4.2. 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.
 - 4.3. As a result of 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™](#).

INSTRUCTIONS TO BIDDERS

1. **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 for the performance of work on **Pipeline Rehabilitation AF-1** (Project).
 - 1.1. **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.
 - 1.2. 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.
 - 1.3. 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.
 - 1.4. **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.
 - 1.5. **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.
 - 1.6. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
 - 1.7. **RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.

1.8. BIDS MAY BE WITHDRAWN by the Bidder prior to, but not after, the time fixed for opening of bids.

1.8.1. 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.

1.9. 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.

2. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

2.1. 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.

2.2. 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.

2.3. 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.

2.4. 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.

3. 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.

4. SUBCONTRACTING PARTICIPATION PERCENTAGES:

4.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

- | | |
|----------------------------------|--------------|
| 1. SLBE participation | 5.9% |
| 2. ELBE participation | 16.4% |
| 3. Total mandatory participation | 22.3% |

4.2. The Bidders are strongly encouraged to attend the Pre-Bid Meeting to better understand the Good Faith Effort requirements of this contract. See the City's document titled "SLBE Program, Instructions For Bidders Completing The Good Faith Effort Submittal" available at: <http://www.sandiego.gov/eoc/>

4.3. The Bid may be declared **non-responsive** if the Bidder fails the following mandatory conditions:

4.3.1. Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR.

4.3.2. 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.

4.4. For additional Equal Opportunity Contracting Program requirements, see Attachment C.

4.5. To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracts at (619) 533-3450 at least 5 Working Days prior to the Pre-Bid Meeting to ensure availability.

5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

5.1. **Prior** to the Award of the Contract or each 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:** 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.
 - 7.1. **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.
 - 7.1.1. 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.
 - 7.1.2. 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.

- 7.2. **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.
- 7.3. **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.
- 7.3.1. 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.
- 7.4. **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.
- 7.5. **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.
- 7.6. **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.
- 7.7. **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."
- 7.8. **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.

7.9. 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.

7.9.1. 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.

8. INSURANCE REQUIREMENTS:

8.1. 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.

8.2. 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.

9. 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
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

Title	Edition	Document Number
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 option, may respond to any or all questions submitted in writing via the City's eBidding web site in the form of an addendum. No oral comment 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 on eBidding web site 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 FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein.
- 12.1. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 12.2. The Bidder agrees to the construction of **Pipeline Rehabilitation AF-1** for the City of San Diego, in accordance with these contract documents for the prices listed below. 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 to Award of the Contract. 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 e.g., bond and insurance.
- 12.3. Unit prices shall be entered for all unit-price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceeds two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
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 designee of the City and approval as to form the City Attorney's Office.

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

- 15.5. Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.
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. **SUBMISSION OF QUESTIONS:**
- 18.1. 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: [Contract Specialist listed on the front cover hereof]
- OR:
- Email address of the Contract Specialist listed on the front cover hereof.
- 18.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 18.3. Clarifications deemed by the City to be material shall be issued by Addenda and uploaded to the City's online bidding service.
- 18.4. 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 become informed of any Addenda that have been issued and to include all such information in its Bid.
19. **ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.

- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
- 21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 21.1.** Bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.
- 22. AWARD OF CONTRACT OR REJECTION OF BIDS:**
- 22.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2.** Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules may be rejected as being non-responsive.
- 22.3.** The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 22.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material

nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.

- 22.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with section 22.3017 of the San Diego Municipal Code.
- 22.6. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 22.7. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 22.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of any proposed alternates, additive items or options as detailed herein.

23. BID RESULTS:

- 23.1. The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- 23.2. To obtain Bid results, visit the City's eBidding site, request results via e-mail to the "City Contact" person listed in the title page of these documents, or via courier, personal delivery or U.S. Postal service delivery of a request for results accompanied by provide a self-addressed, stamped envelope, referencing bid number and bid tabulations will be mailed. Bid results cannot be given over the telephone.

24. THE CONTRACT:

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

reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.

24.4. Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.

24.5. The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK: The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.

26. CITY STANDARD PROVISIONS: This contract is subject to the following standard provisions. See The WHITEBOOK for details.

26.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.

26.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

26.3. The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.

26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.

26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.

26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

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

27. PRE-AWARD ACTIVITIES:

27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.

27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

28. PHASED FUNDING:

For additional Phased Funding Provisions, see Attachment B.

**CONTRACT AGREEMENT AND
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND**

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 AF-1 Bid No. K-15-1353-DBB-3 in the amount of Four Million One Hundred Fifty-Six Thousand Twenty-One Dollars and 20/100 (\$4,156,021.20), which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AF-1** on file in the office of the Public Works Department as Document No. **B-14125**; 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 AF-1**, Bid Number **K-16-1353-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.

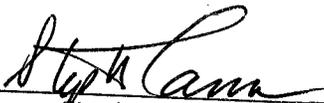
CONTRACT AGREEMENT (continued)

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

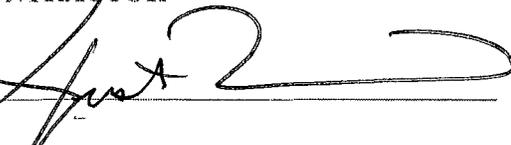
By: 
Stephen Samara
Principal Contract Specialist
Public Works Contracting Group

By: 
Print Name: Jeremy Jung
Deputy City Attorney

Date: 1/4/16

Date: 1-6-16

CONTRACTOR

By: 
Print Name: Justin Duchaineau

Title: President- Southwest Pipeline & Trenchless Corp.

Date: 11-3-2015

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000002176

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 One Hundred Fifty Six Thousand Twenty One Dollars and 20/100----- (\$4,156,021.20), for the faithful performance of the annexed contract, and in the sum of **Four Million One Hundred Fifty-Six Thousand Twenty-One Dollars and 20/100 (\$4,156,021.20)**, for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract **Pipeline Rehabilitation AF-1**, Bid Number **K-16-1353-DBB-3**, 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 Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

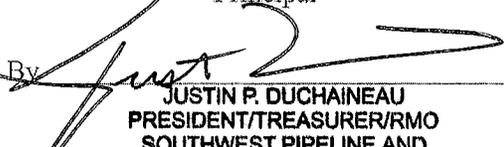
Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

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

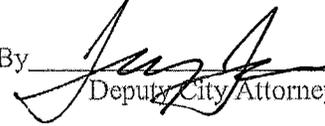
The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

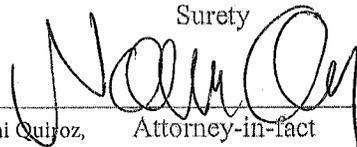
Dated October 27, 2015

Approved as to Form

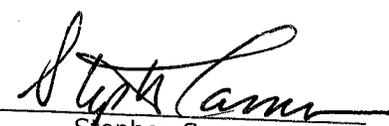
Southwest Pipeline and Trenchless Corp.
Principal
By 
JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.
Printed Name of Person Signing for Principal

Jan I. Goldsmith, City Attorney

By 
Deputy City Attorney

Liberty Mutual Insurance Company
Surety
By 
Noemi Quiroz, Attorney-in-fact

Approved:

By:  alist
Stephen Samara
Principal Contract Specialist
Public Works Contracting Group

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 \$ 31,341.00

Bond No. 024064720

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

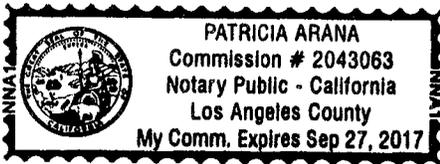
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

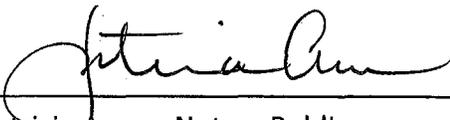
On OCT 27 2015, before me, Patricia Arana, Notary Public, personally appeared Noemi Quiroz, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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: 
Patricia Arana, Notary Public

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

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: 024064720 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

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 27th day of October, 2015.



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

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The project consists of trenchless rehabilitation of approximately 8.4 miles of existing 8-inch sewer pipelines, point repair of 5 mains, reconnection of approximately 993 service laterals, rehabilitation of 39 manholes, replacement of 8 manholes and installation of 39 cleanouts. This project is in Torrey Pines and University Community Planning Areas of Council District 1.

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids and Appendix E

2. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$5,280,000.00**.

3. **LOCATION OF WORK:** See a Location Map Attachment E.

4. **CONTRACT TIME:** The Contract Time for completion of the Work, shall be **235 Working Days**.

5. **CONTRACTOR'S LICENSE CLASSIFICATION:** In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as **non-responsive** and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.

5.1. The City has determined the following licensing classifications for this contract:

Option	Classifications
1	CLASS A
2	CLASS C34
3	CLASS C42

5.2. The Bidder shall satisfy the licensing requirement by meeting **at least** one of the listed options.

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, then within 5 Working Days after receiving notice, the next Apparent Low Bidder must provide the Pre-Award Schedule. This process will continue until the City has selected the Apparent Low Bidder or have decided to reject all Bids.
- 1.4. The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Within 22 Working Days from the date of the Bid Opening or notice to the next Apparent Low Bidder (whichever occurs last) and once a Pre-Award Schedule is accepted by the City, the City will present the first Phased Funding Schedule Agreement to you when you are selected as the Apparent Low Bidder as defined in the City's Municipal Code, §22.3003.
- 1.5. At the City's request, you must meet with the City's project manager before execution of the first Phased Funding Schedule Agreement to discuss his or her comments and requests for revision to the Pre-Award Schedule.
- 1.6. Your failure to perform 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

BID NUMBER: K-16-1353-DBB-3

CONTRACT OR TASK TITLE: PIPELINE REHABILITATION AF-1

CONTRACTOR: SOUTHWEST PIPELINE & TRENCHLESS CORP.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Mobilization, Lateral cleaning & CCTV lateral point repairs, clean-out installation, rehabilitate 4 inch, 6 inch sewer laterals, Main Point Repairs, Main Cleanouts, Clean/CCTV Main.	NTP	09/30/2016	\$1,662,408.48
2	Complete rehabilitation 4 inch, 6 inch sewer laterals, Main Sewer Rehab, installation of top hats. Completion of Final CCTV inspection.	10/1/2016	Project Completion	\$2,493,612.72
Total				\$4,156,021.20

Notes:

- (1) City Supplement 9-3.6, "PHASE 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 PHASE FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by a written modification to the CONTRACT.

OWNER: CITY OF SAN DIEGO **CONTRACTOR:** SOUTHWEST PIPELINE

By:  **By:** LUIS SALCEDO
 Project Manager & 
 E&CP / Public Works Department

Date: 11/17/15 **Date:** 11/17/15

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
INTENTIONALLY LEFT BLANK

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 50% 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>

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:

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

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

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

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

5. For Water projects where shutdowns of 16 inch and larger pipes are required, there is a shutdown moratorium from May until October. Contractor shall plan and schedule work accordingly. No additional payment or working days will be granted for delays due to this moratorium.
6. 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 must 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 must 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. Payment for insurance is included in the various items of Work as bid by you, and 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 must 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 must 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 must 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 must be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You must maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense must be outside the policy limits. Policy coverage must 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 must 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 must be outside the limits of the policy.

7-3.2.3

Contractors Pollution Liability Insurance.

1. You must procure and maintain at your expense or require 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 must be outside the limits of the policy. Any such insurance provided by Subcontractor instead of you must be approved separately in writing by the City.
3. For approval of a substitution of Subcontractor’s insurance, you must 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 must not exceed \$25,000 per claim.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must 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 must be procured before the Work commences and must be maintained for the Contract Time. Claims Made policies must be procured before the Work commences, must be maintained for the Contract Time, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must 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 must 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 must 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 must 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 must 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.

- a) You must 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.
- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- c) The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more must 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.
- d) The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 must 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 must 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 must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.1.3 Project General Aggregate Limit.

The policy or policies must 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 must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must 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 must 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.

- a) The policy or policies must 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 must 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.
- b) 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 is 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 must 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 must 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 must be in excess of your insurance and must not contribute to it.

7-3.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies must provide that your insurance must 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 must provide cross-liability coverage.

7-3.6 Deductibles and Self-Insured Retentions. You must pay for all deductibles and self-insured retentions. You must 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 must 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 must 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 must 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 must 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 require 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 must 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 must 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 1 3/4".

7-15 INDEMNIFICATION AND HOLD HARMLESS AGREEMENT. To the City Supplement, fourth paragraph, last sentence, 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 will work with you to inform the public (which includes, but is not limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Efforts by you 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 will 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.

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 Public Contact Log located on the City's SDSShare site:

<http://sdshare/forums/ecp/PITS/picr/Lists/Public%20Contact%20Log/AllItems.aspx>

4. You shall execute the Information Security Policy Acknowledgement Form - For Non-City Employees within 15 days of the award of the Contract if:
 - a) Your contact information is made available on any outreach materials or;
 - b) You will be the primary point of contact to resolve project related inquiries and complaints.
5. Electronic Communication.

All inquiries and complaints will be logged in to the City's SDSShare site within 24 hours of receipt of inquiries and complaints.

Any updates or a resolution of inquiries, and complaints shall be documented in the City's SDSShare site within 24 hours.

Copies of email communications shall be saved, individually, on to the City's SDSShare site as an Outlook Message Format (*.msg).

All graphics, photos, and other electronic files associated with the inquiries and or complaints shall be saved into the individual record.

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, 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 SDSShare site 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 SDSShare site 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 section 7-10.6.2
2. Notify businesses, institutions, property owners, residents or any other impacted stakeholders, within a minimum 300 feet 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, 1 ¼” 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 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, members of the media may show up at construction sites, uninvited. Members of the media (including, but not limited to newspaper, magazine, radio, 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 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 members of the media visits 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. The Payment for the Community Outreach Service is included in the various Bid items.

7-20 ELECTRONIC COMMUNICATION. ADD the following:

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 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. 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

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
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 209 – STREET LIGHTING AND TRAFFIC SIGNAL MATERIALS

209-6.4 Induction Cobra Head Luminaire. To the City Supplement, CORRECT certain 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

ADD:

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

- a) Trench marker tape shall be 6” wide and consist of a minimum 5.0 mil, five-ply 100% virgin polyethylene which is acid, alkaline and corrosion resistant. Elongation properties and tensile strength of not less than 7,800 psi shall be in accordance with ASTM D882-80A. The trench marker tape for water lines shall have a minimum 20 gauge solid aluminum foil core, adhered to a 2.55 mil polyethylene backing.
- b) Tape color and legend shall be placed beneath the top protective layer subject to the following:
 - 1. Blue with “Caution Potable Water Line Buried Below” for Water mainlines and over pipe sleeves.
 - 2. Purple with “Caution Recycled/Reclaimed Water Line Buried Below” for recycled water irrigation mainlines.
 - 3. Red with “Caution Electric Line Buried Below” for electrical lines servicing the irrigation system, including, but not limited to, 110/220v power to irrigation controllers and pumps, communication cables and irrigation direct burial control wires to remote control valves.

4. Green with "Caution Sewer Line Buried Below" for Sewer mainlines and over pipe sleeves.

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 roadway resurfacing or the application of slurry, the Contractor shall complete all necessary preparation and repair work to the road segment e.g., tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc. and as specified in the Special Provisions.
2. Preparatory work shall include, but not be limited to, tree trimming, weed spray, weed abatement, crack sealing, asphalt repair i.e., mill and pave, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc.
3. The Contractor shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2" for Residential streets, and a minimum depth of 3" for all others to expose firm and unyielding pavement. The Contractor shall prepare subgrade as needed and install a minimum of 2" for residential streets, and a minimum of 3" for all others, of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
4. If, in order to achieve the minimum specified depth, the base material is exposed, the material shall be compacted to 95% relative compaction to a depth 10" below the finished grade (dig out). Compaction tests shall be made to ensure compliance with the specifications. The Engineer will determine when and where the test will occur. The City will pay for the soils testing required by the Engineer, which meets the required compaction. The Contractor shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, the Contractor shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base."
5. Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, "Crushed Miscellaneous Aggregate Base."
6. 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."
7. The Contractor 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."

8. No preparatory asphalt work shall be done when the atmospheric temperature is below 50 °F or during unsuitable weather.
9. Following the asphalt placement, the Contractor 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, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
10. The minimum dimension for each individual repair shall be 4' x 4' 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 the contractor shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base." Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, "Crushed Miscellaneous Base."
 - c) The Contractor 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.

302-3.1

Asphalt Patching.

1. Asphalt patching shall consist of patching potholes, gutter-line erosion, and other low spots in the pavement that are deeper than ½" per 302-5.6.2, "Density and Smoothness." These areas are generally smaller and more isolated than those areas in need of mill and pave.
2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. The Contractor shall identify any new areas that may require patching prior to slurry work to ensure the smoothness and quality of the finished product.
3. The Contractor shall identify and repair any areas that may require patching, prior to the placement of slurry seal for smooth finished product.
4. Asphalt overlay shall not be applied over deteriorated pavement. Preparatory asphalt work shall be completed and approved by the Engineer before proceeding with asphalt overlay.

5. The Contractor 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 per 302-5.4, "Tack Coat".
7. Following the asphalt placement, the Contractor shall roll the entire patch in both directions covering the patch at least twice.
8. After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
9. Base repairs shall not exceed 20% RAP in content.

302-3.2

Payment.

1. Payment for replacement of existing pavement when required shall be included in the unit bid price for Asphalt Pavement repair for the total area replaced and no additional payment shall be made regardless of the number 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 the Contractor's failure to protect existing improvements. The Contractor 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 appendices are given only for the Contractor's 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 precedent 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, the Contractor 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. Preparatory repair work and tack coating will be paid at the Contract unit price per ton for Asphalt Pavement Repair. No payment shall be made for areas of over excavation unless previously approved by the Engineer.
5. Milling shall be included in the Bid item for Asphalt Pavement Repair unless separate Bid item has been provided.
6. Payment for miscellaneous asphalt patching shall be included in the Contract unit price for slurry and no additional payment shall be made therefore.

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 certain 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
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

306-1.6 Basis of Payment for Open Trench Installations. ADD the following:
Payment for imported backfill when the Contractor elects to import material from a source outside the project limits and when authorized by the Engineer shall be included in the Bid unit price for Imported Backfill. The price shall include the removal and disposal of unsuitable materials.

306-1.8.3 Polyurethane Lining. To the City Supplement, item 5, DELETE in its entirety

SECTION 500 – PIPELINE

500-1.1.1 General. To the City Supplement, (1) (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 after 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, after the last paragraph, ADD the following:

During the pre-installation video the contractor must identify all existing protruding laterals with the existing main and trim them flush to the main prior to rehabilitation. The cost of trimming the existing laterals will be included in the pipe rehabilitation bid item.

500-1.1.9 Measurement and Payment. Third Paragraph, 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, the Contractor 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. The liner shall be extended sufficiently to create a water tight seal at the main and the liner interface. 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.

A lateral rehabilitation including the installation of lateral cleanout and backfill process should be completed within 15 Working Days.

- c) The liner shall be extended sufficiently to create a water tight seal at the main and the liner interface.
- d) If there is a SLC in place, then the cured-in-place lateral liner shall have a minimum overlap of 2” over the previously installed SLC sewer main lateral connection.

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).

500-1.6.3 Installation Procedures (ASTM F1216-98 and ASTM F1743).

- a) The Property Owner of the lateral being reconstructed shall be informed, and the flow stopped, for the period of reconstruction work.
- b) The Contractor shall excavate an access pit at the appropriate upstream point on the service lateral in accordance with the reconstruction length determined by the Engineer.
- c) The Contractor shall always clean and color video the lateral line immediately prior to reconstruction and determine the structural condition of the pipeline. Roots, debris, and protruding service connections shall be removed prior to reconstruction.
- d) The tube shall be inspected for torn or frayed sections. The tube in good condition shall then be vacuum impregnated with the thermoset resin.
- e) 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. The Contractor shall ensure that no public property is exposed to contamination by liquid resin compounds or components.

- f) 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.
- g) 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.
- h) The tube shall be installed from the installation equipment by controlled air, water or steam pressure as in accordance with manufacturer instructions. The installation shall be stopped when the tube extends the entire length of the lateral section to be lined. The tube is held tightly in place against the wall of the host pipe by the pressure until the cure is complete.
- i) 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.
- j) 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.
- k) 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.
- l) A second color 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.
- m) 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 the Contractor shall correct the situation as approved by the Engineer.

500-1.6.5 Acceptance. Upon completion, the Contractor 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 the work may be accepted.

500-1.6.6 Payment.

- a) Payment for the Sewer Lateral Lining covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each lateral.

- b) Payment for in-situ point repairs shall be included in the bid price for in-situ point repairs and paid for in accordance with 500-1.1.9, "Measurement and Payment" and 500-1.2.7, "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". 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 and pre-rehab video inspection, the Contractor 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, the Contractor 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. Contractor 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. The Contractor 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 connection shall extend minimum 4" from the mainline into the lateral.
- c) The Contractor shall furnish a specially designed, unsaturated polyester or vinyl ester resin, and catalyst system compatible with the SLC process that provides cured physical strengths specified herein.

500-4.5 Physical Properties.

- a) The cured SLC 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.

- a) The Contractor shall remove internal debris out of the sewer line.
- b) 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 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.
- c) The Contractor, when required, shall provide for the flow of sewage around the section or sections of mainline pipe where the service lateral designated for SLC 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.

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

500-4.7 SLC Installation.

- a) 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 into the lateral pipe. The inversion pressure shall be adjusted to fully invert the SLC 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.
- b) The pressure apparatus shall include a bladder which shall inflate in the mainline pipe, effectively seating the SLC repair against the service connection.
- c) After inversion or pull in is completed, recommended pressure is 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.
- d) The initial cure shall be deemed to be completed when the SLC has been exposed to the UV light, heat source or held in place for the time period specified by the manufacturer.
- e) The Contractor shall cool the hardened SLC 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.
- f) The finished SLC shall be free of dry spots, lifts and delamination. The lateral SLC shall not inhibit the closed circuit television post video inspection of the mainline or service lateral pipes. Frayed ends of the SLC repair shall be removed prior to acceptance.

- g) During the warranty period, any defects which shall affect the integrity of strength of the SLC shall be repaired at the Contractor's expense in a manner mutually agreed upon by the manufacturer, City, and the Contractor.
- h) After the Work is completed, the Contractor shall provide the City with a video disc showing the completed work including the restored conditions.

500-4.8 Clean-Up. Upon acceptance of the installation work, the Contractor shall reinstate the Site affected by its operations.

500-4.9 Payment. Payment for SLC sealing systems shall be made at the Contract Unit Price or lump sum price in the Bid for each SLC. The Contract Unit Price or lump sum price in the Bid shall include the installation of the SLC sealing system, surface preparation and repairs, preparation and tape submittal of all pre- and post-construction CCTV inspection, bypassing if required, and testing, unless otherwise specified in the Special Provisions.

SECTION 705 – WATER DISCHARGES

705-2.6.1 General. Paragraph (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 Environmental Analysis Section (EAS) of the Development Services Department has prepared for a Notice of Exemption, Project No. B-14125.02.06 for **Pipeline Rehabilitation AF-1**, 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 is included in the various Bid items, unless a bid item has been provided.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: X RECORDER/COUNTY CLERK
P.O. Box 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT NO.: B-14125.02.06

PROJECT TITLE: Pipeline Rehabilitation AF-1

PROJECT LOCATION-SPECIFIC: University and Torrey Pines community planning areas in Council District 1.

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

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: This project will rehabilitate 7 miles of existing 8-inch deteriorated sewer mains using trenchless technology. It also includes point repairs to sewer mains that cannot be rehabilitated, reconnection of service laterals, installation of cleanouts, and the rehabilitation, repair, and replacement of manholes. The point repairs will consist of removing deteriorated sections of pipe and replacing them with new pipe. The depth of the existing trenches is approximately 10 - 15 feet for the point repairs. No previously undisturbed soils will be affected by this project, as all repairs will be completed within the existing trenches.

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: Ali Mohammadian
525 B Street, Suite (MS 908A)
San Diego, CA 92101
619-533-7481

EXEMPT STATUS:

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
() DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
() EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
(X) CATEGORICAL EXEMPTION: Sections 15301 Existing Facilities and 15302 Replacement or Reconstruction
() STATUTORY EXEMPTION:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review and determined the project is exempt because it will occur within an urban/developed area in existing trenches, and is not adjacent to the MHPA. Therefore, this activity qualifies as exempt from CEQA under sections 15301 Existing Facilities and 15302 Replacement or Reconstruction; where the exceptions listed in Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: Jeff Szymanski

TELEPHONE: 619 446-5324

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

SIGNATURE/TITLE: [Handwritten Signature] / SENIOR PLANNER
CHECK ONE:

DATE: 5/8/2015

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

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

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

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

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

4. **POLICY**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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

for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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

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

7. **FEE AND DEPOSIT SCHEDULES**

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

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

8. **UNAUTHORIZED USE OF WATER FROM A HYDRANT**

- 8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.
- 8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.
- 8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.
- 8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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

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

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) 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:	<input type="checkbox"/>	<input type="checkbox"/> Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
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: ()

City Meter	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 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

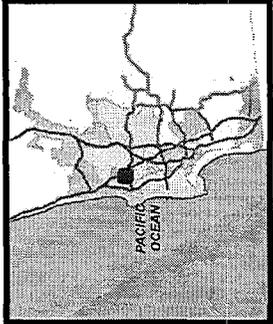
MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

APPENDIX E
LOCATION MAP



PIPELINE REHABILITATION AF-1

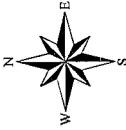
SENIOR ENGINEER
WENDY GAMBOA
619-235-1971

PROJECT MANAGER
DANIEL TITTLE
619-533-7468



PROJECT ENGINEER
JING DEBELISO
619-533-5285

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



LOCATION MAP

- Legend**
- Propose Sewer Rehab

SAP ID: B14125 (S)

SHEET 2 OF 2



COUNCIL DISTRICT: 1



COMMUNITY NAME: UNIVERSITY,

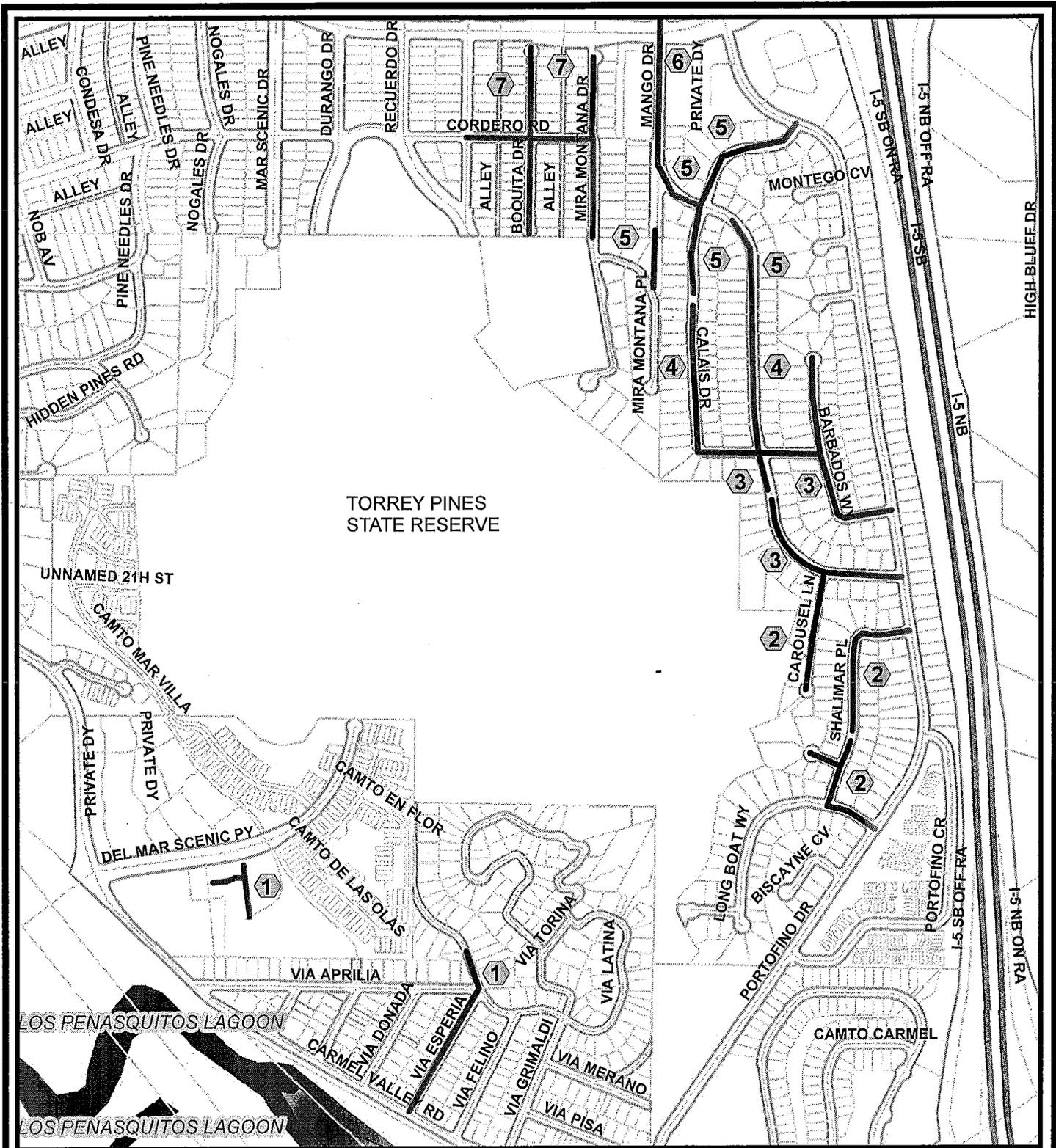
e-Bidding Pipeline Rehabilitation AF-1
Appendix E - Location Map (Rev. July 2015)

82 | Page

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

APPENDIX F

DETAIL MAPS, EASEMENTS, AND CONSTRUCTION NOTES



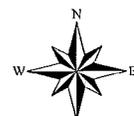
TORREY PINES
STATE RESERVE

PIPELINE REHABILITATION AF-1 KEY MAP



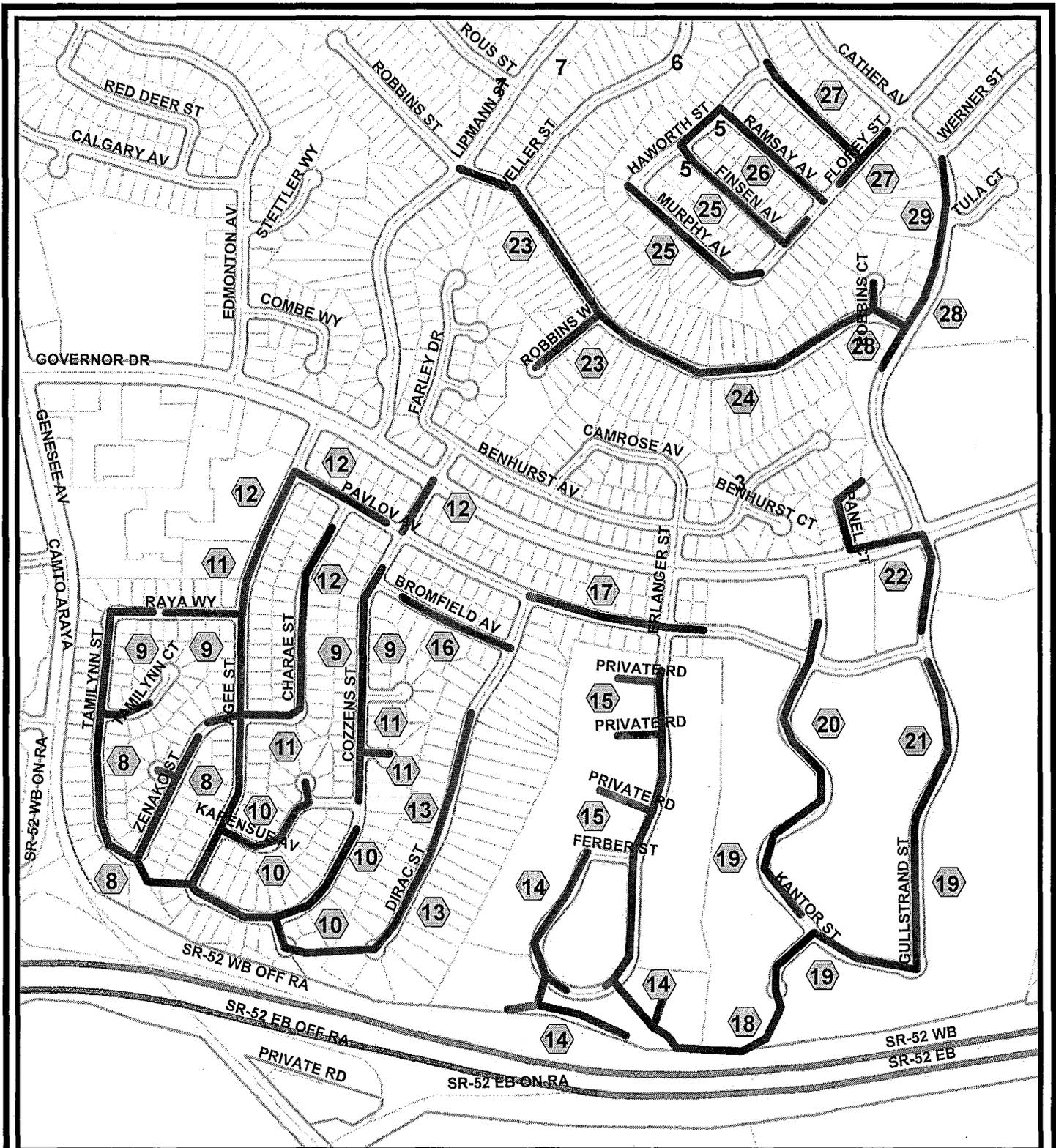
Legend

-  Sheet No.
-  Ex. 8" Sewer Main to be Rehabbed
-  Right of Way



No Scale

SAP ID: B14125 (S)
SHEET 1 OF 2



PIPELINE REHABILITATION AF-1

Legend

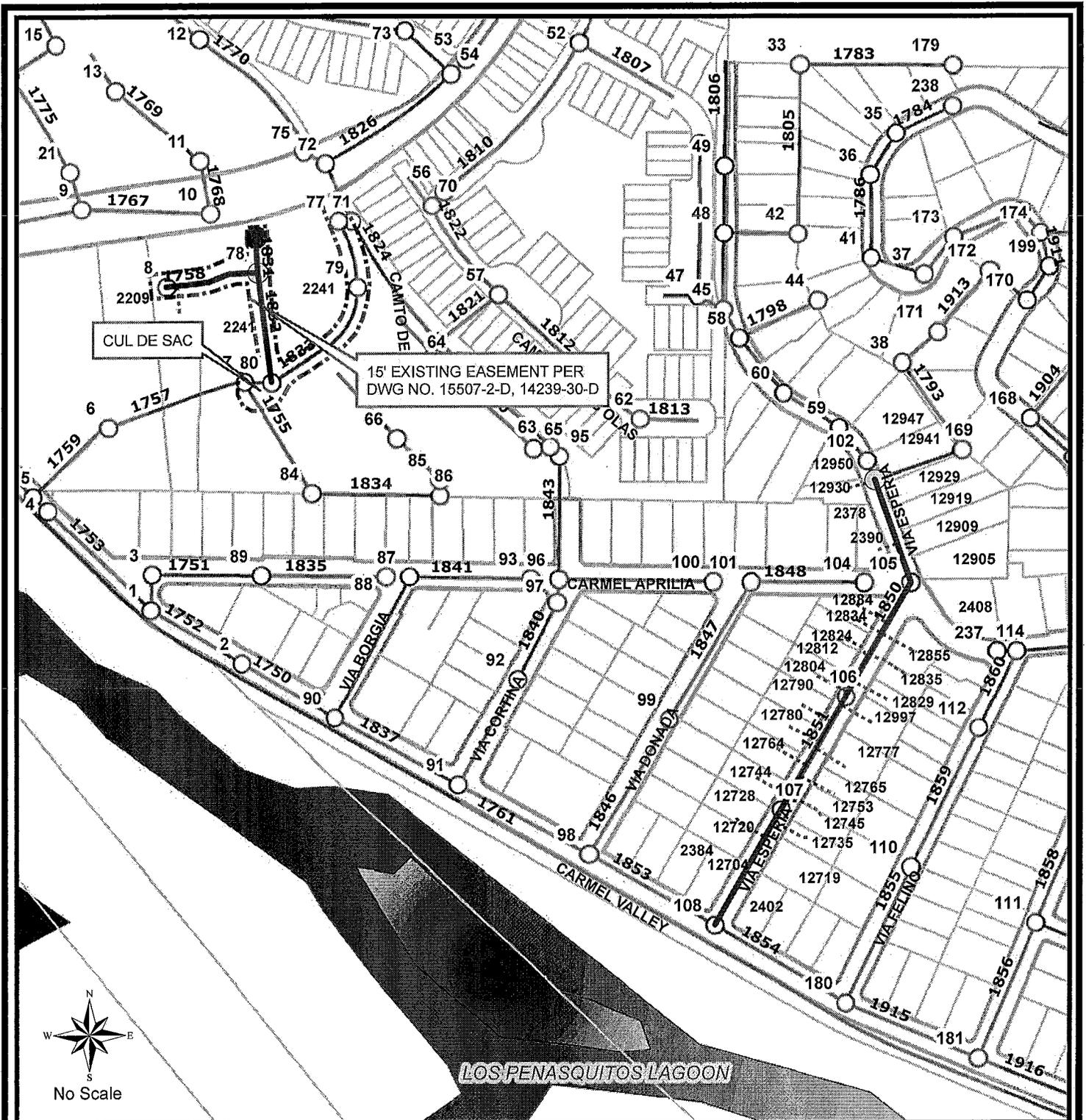
KEY MAP

- Sheet No.
- Ex. 8" Sewer Main to be Rehabbed
- Right of Way



No Scale

SAP ID: B14125 (S)
SHEET 2 OF 2



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

- Legend**
- Ex. 8" Sewer Main to be Rehabbed
 - - - Easement
 - Ex Manhole To Be Rehabbed
 - Sewer Main
 - New Cleanout
 - 456 Property Address No.
 - 1234 Facility Sequence No.
 - Ex. Manhole
 - Ex. Lateral. To Be Rehabbed
 - Right Of Way
 - 2 Existing Manhole No.

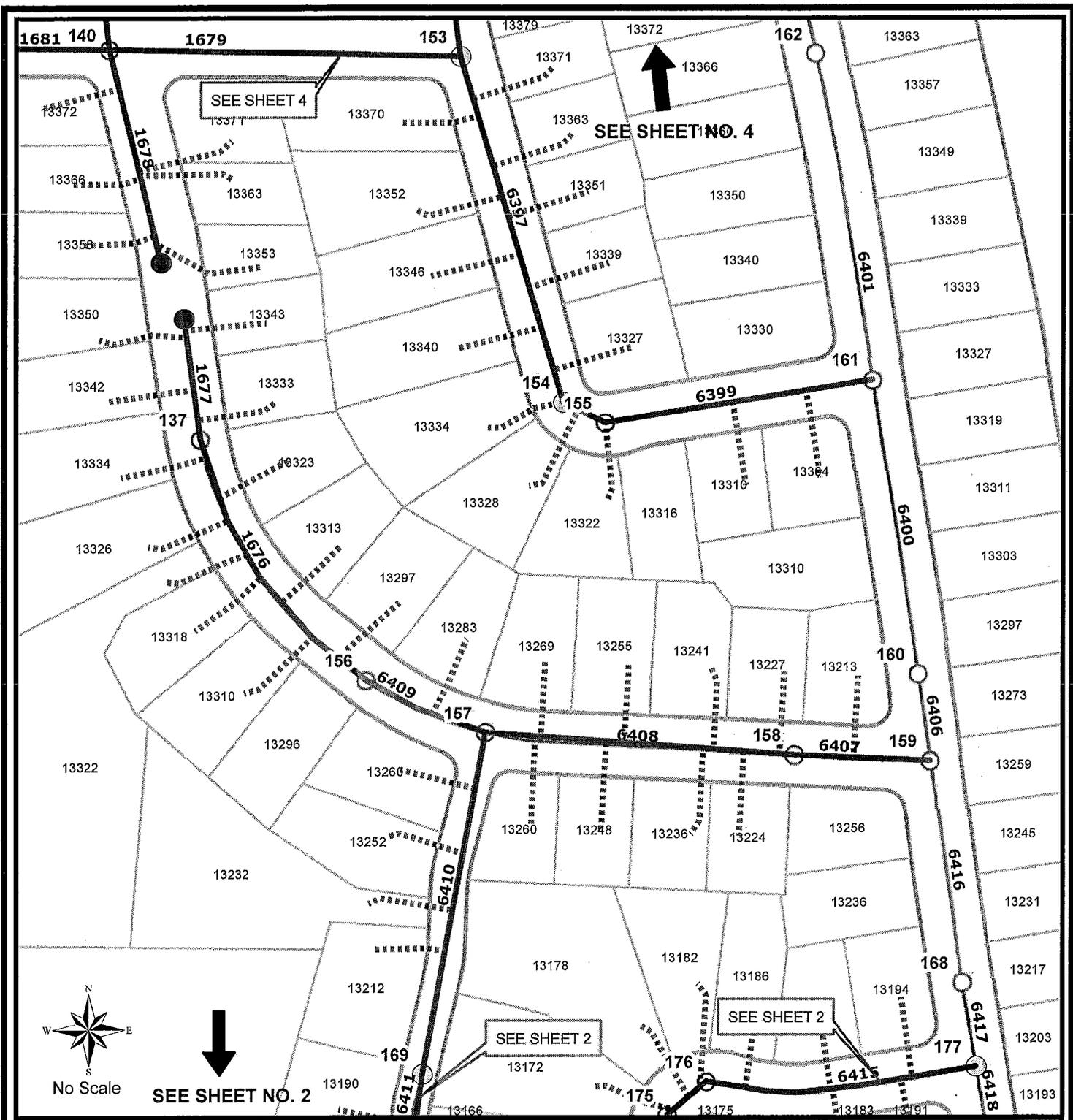


WBS: B-14125

Thomas Brothers Page
 1207 1G, 1207 1H

Field Book Index
 B02S

SHEET NO. 1



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

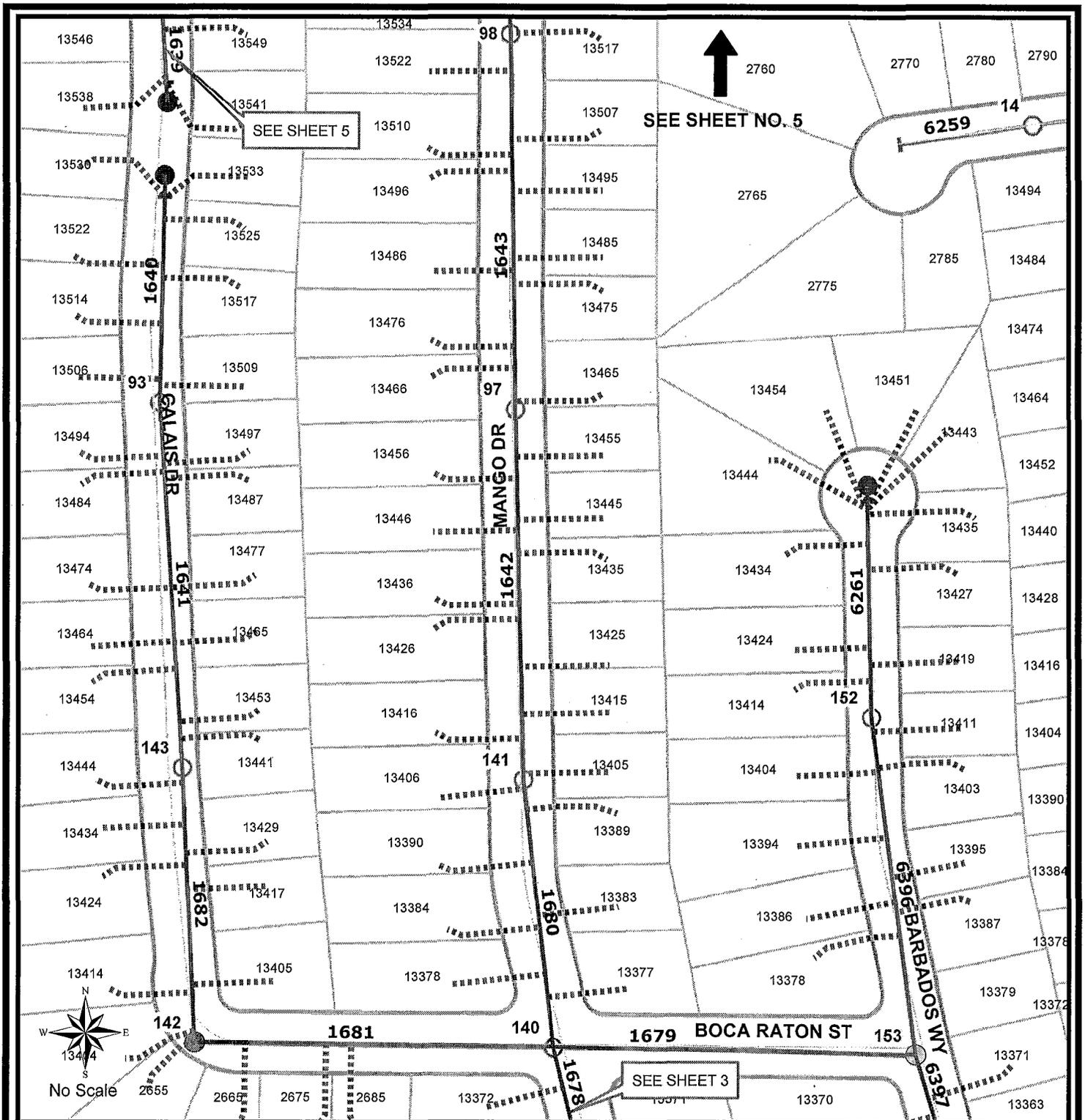
SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Manhole
- Ex Manhole To Be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Sewer Main
- Ex. Lateral. To Be Rehabbed
- Right Of Way
- New Cleanout
- Existing Manhole No.
- 456 Property Address No.
- 1234 Facility Sequence No.



WBS: B-14125
 Thomas Brothers Page
 1187 7J
 Field Book Index
 B01S, C01S
SHEET NO. 3



CITY OF SAN DIEGO
 PUBLIC WORKS DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- New Cleanout
- Existing MH to Remain
- 2 Existing Manhole No.
- Ex. Manhole To Be Replaced
- Sewer Main
- Right of Way
- Ex Manhole To Be Rehabbed
- 456 Property Address No.
- 1234 Facility Sequence No.

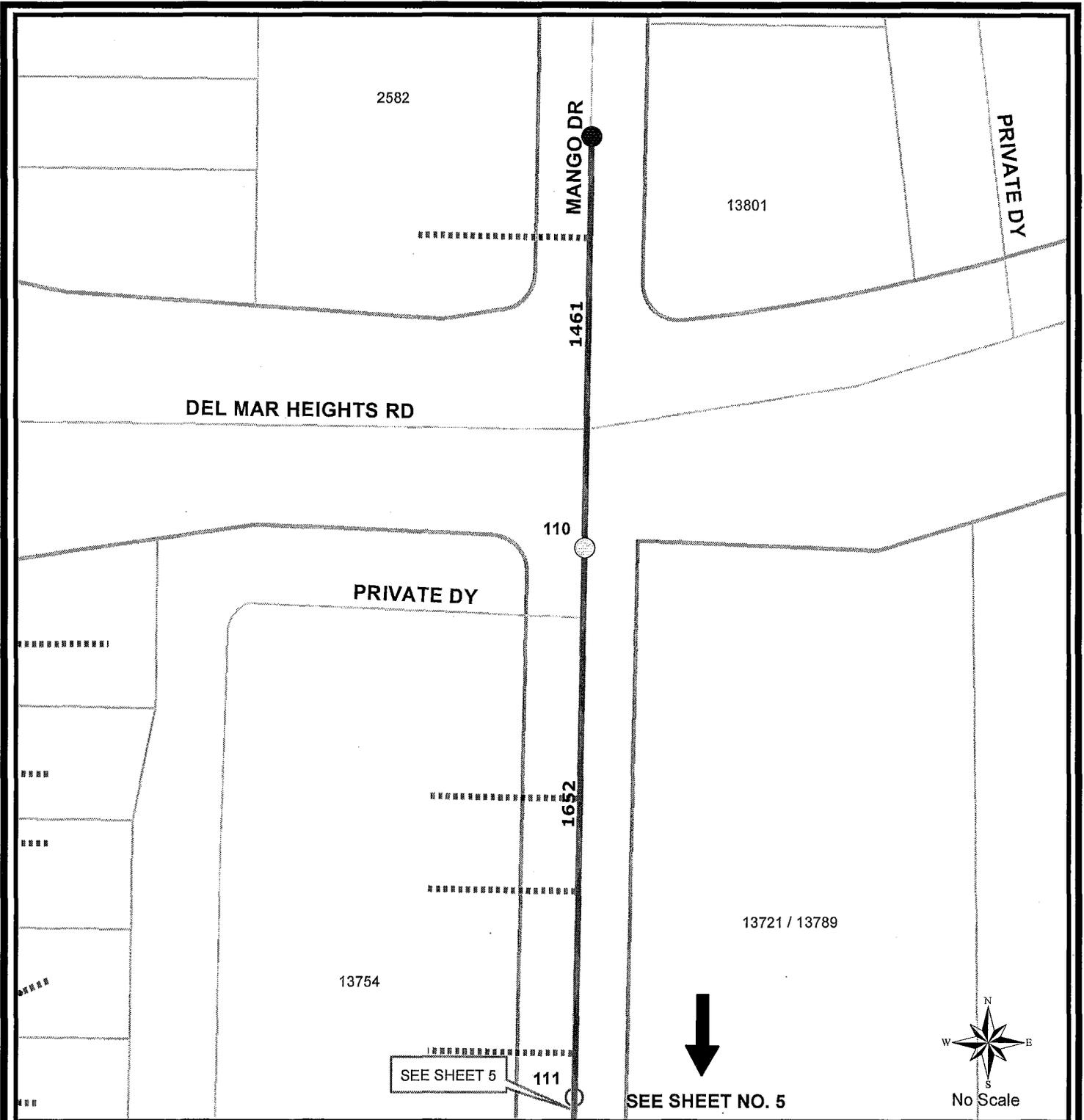


WBS: B-14125

Thomas Brothers Page
 1187 7H, 1187 7J

Field Book Index
 B01S, C01S

SHEET NO. 4



CITY OF SAN DIEGO
 PUBLIC WORKS DEPARTMENT
 SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

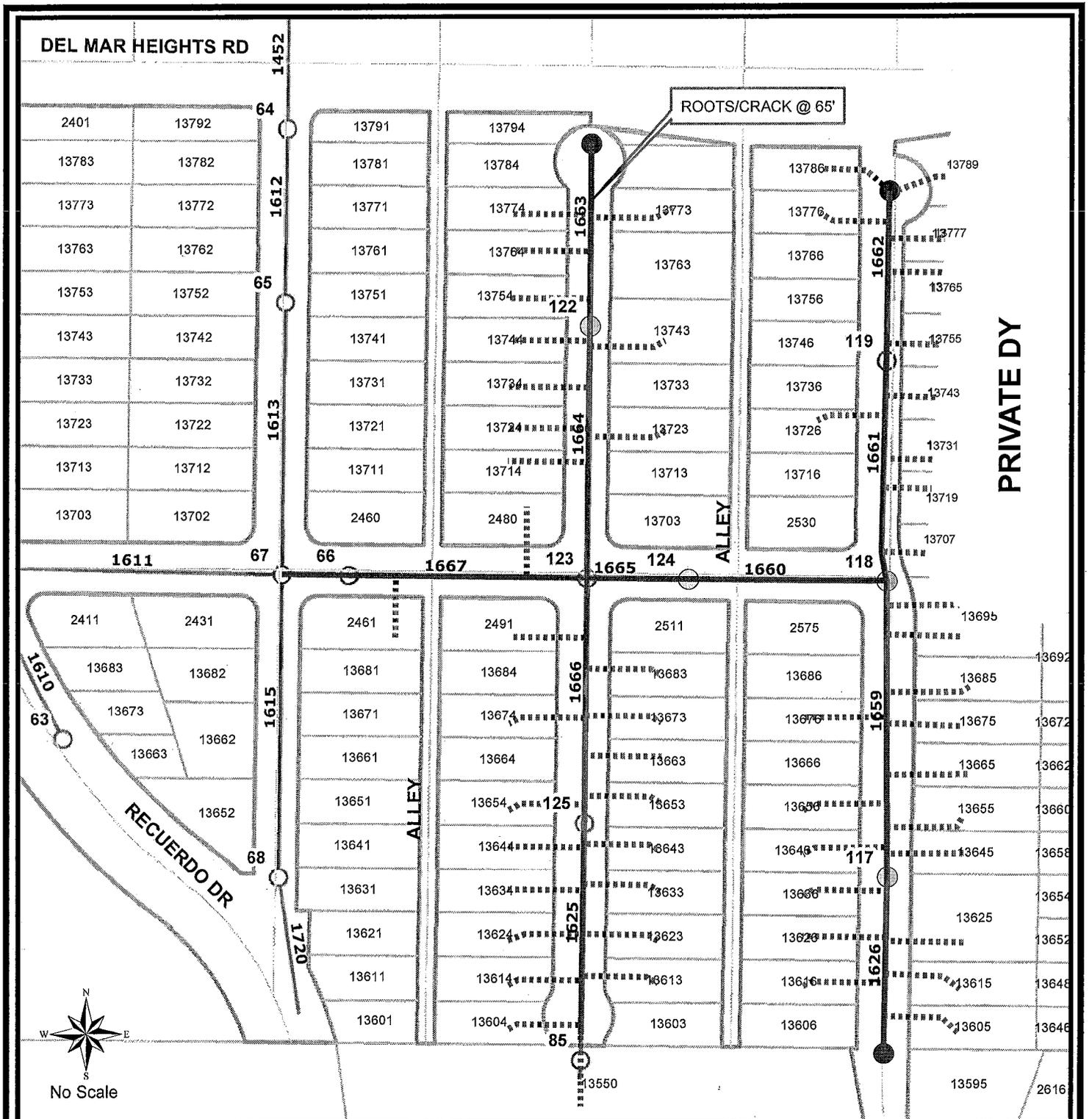
SEWER REHABILITATION AF-1

Legend

Ex Manhole To Be Rehabbed	Ex. Lateral. To Be Rehabbed
New Cleanout	Existing Manhole
Ex. 8" Sewer Main to be Rehabbed	Sewer Main
2 Existing Manhole No.	1234 Facility Sequence No.

456 Property Address No.

WBS: B-14125
 Thomas Brothers Page
1187 6H
 Field Book Index
B01S
SHEET NO. 6



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral, To Be Rehabbed
- New Cleanout
- Ex. Manhole
- Existing Manhole No.
- Sewer Main
- Right Of Way
- Point Of Repair
- Property Address No.
- Facility Sequence No.

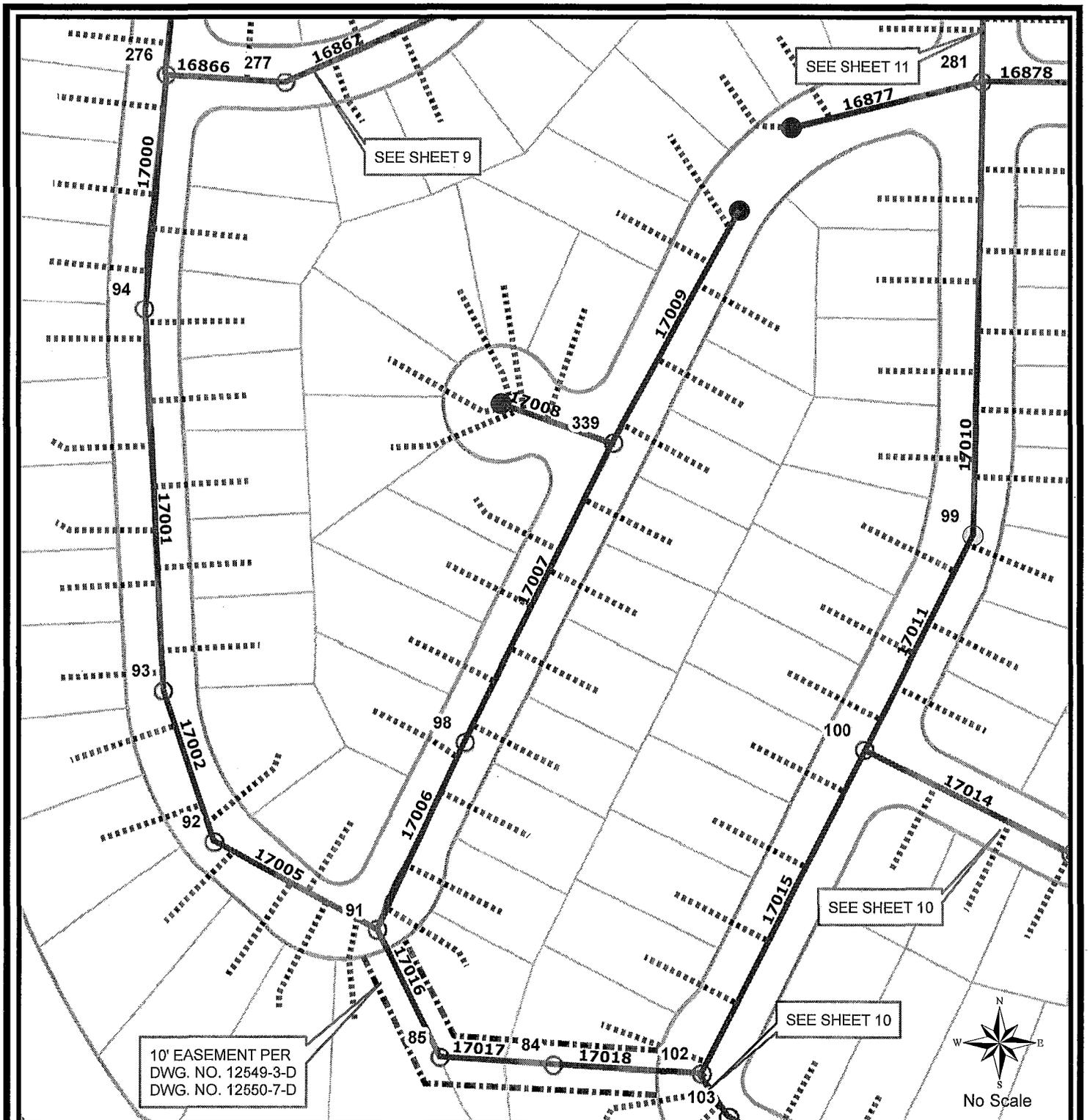


WBS: B-14125

Thomas Brothers Page
1187 6H

Field Book Index
B01S

SHEET NO. 7



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- | | | | |
|----------|----------------------------------|--|----------------------------|
| | Ex. 8" Sewer Main to be Rehabbed | | Ex. Manhole |
| | Ex. Lateral. To Be Rehabbed | | Easement |
| | Ex Manhole To Be Rehabbed | | Sewer Main |
| | New Cleanout | | Right Of Way |
| 2 | Existing Manhole No. | | 456 Property Address No. |
| | | | 1234 Facility Sequence No. |

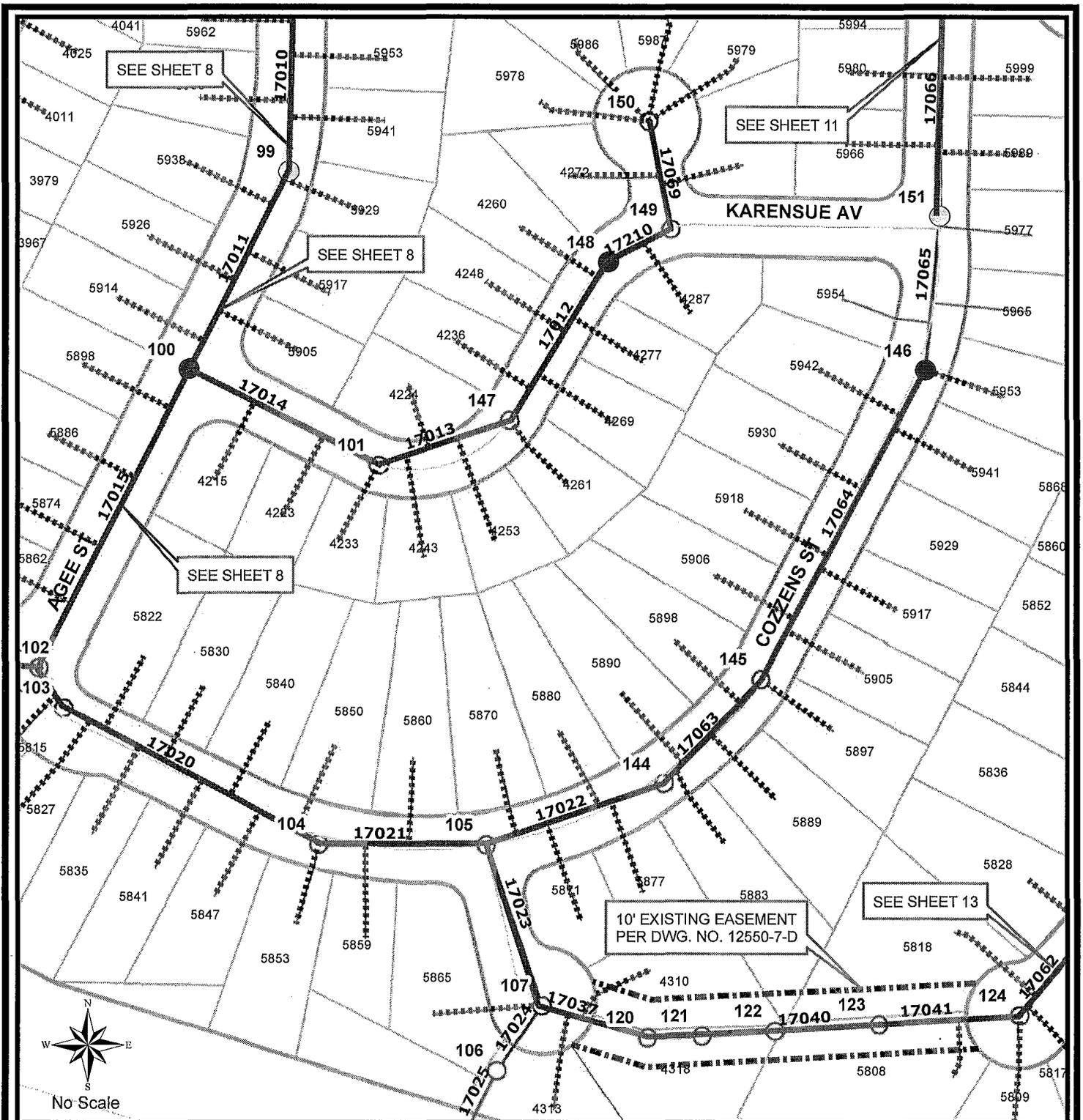


WBS: B-14125

Thomas Brothers Page
1228 5E, 1228 6E

Field Book Index
E09S, E10S

SHEET NO. 8



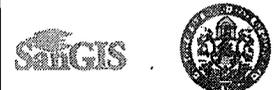
CITY OF SAN DIEGO
 (619)
PUBLICWORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

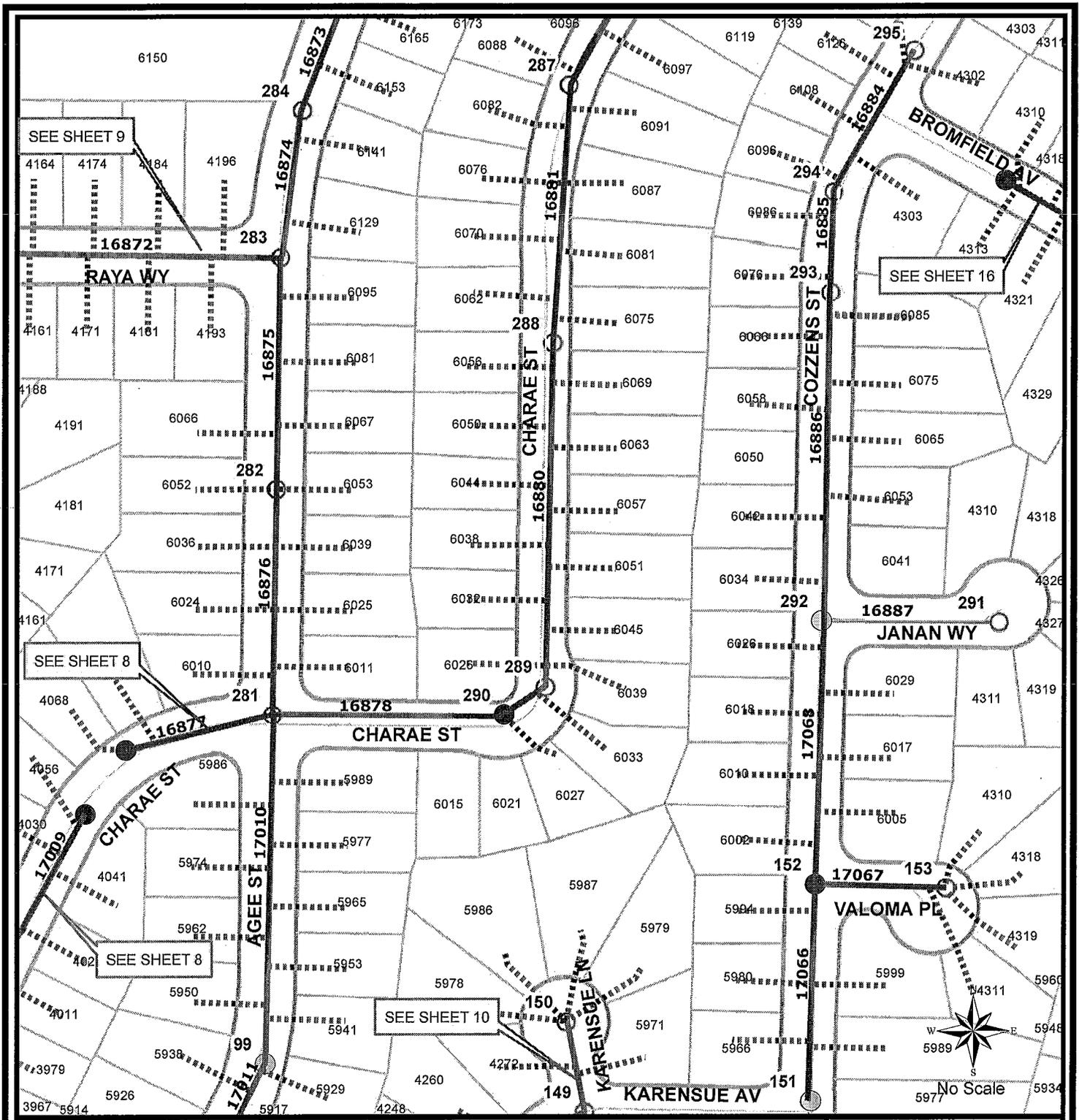
SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Easement
- Ex Manhole To Be Rehabbed
- 2** Existing Manhole No.
- 1234** Facility Sequence No.
- New Cleanout
- Ex. Manhole To Be Replaced
- Ex. Manhole
- Sewer Main
- 456** Property Address No.



WBS: B-14125
 Thomas Brothers Page
1228 6E
 Field Book Index
E10S
SHEET NO. 10



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

- Legend**
- Ex. 8" Sewer Main to be Rehabbed
 - Ex. Lateral. To Be Rehabbed
 - New Cleanout
 - Ex. Manhole To Be Replaced
 - Existing Manhole No.
 - 1234 Facility Sequence No.
 - Ex Manhole To Be Rehabbed
 - Ex. Manhole
 - Sewer Main
 - Right of Way
 - 456 Property Address No.

SATGIS

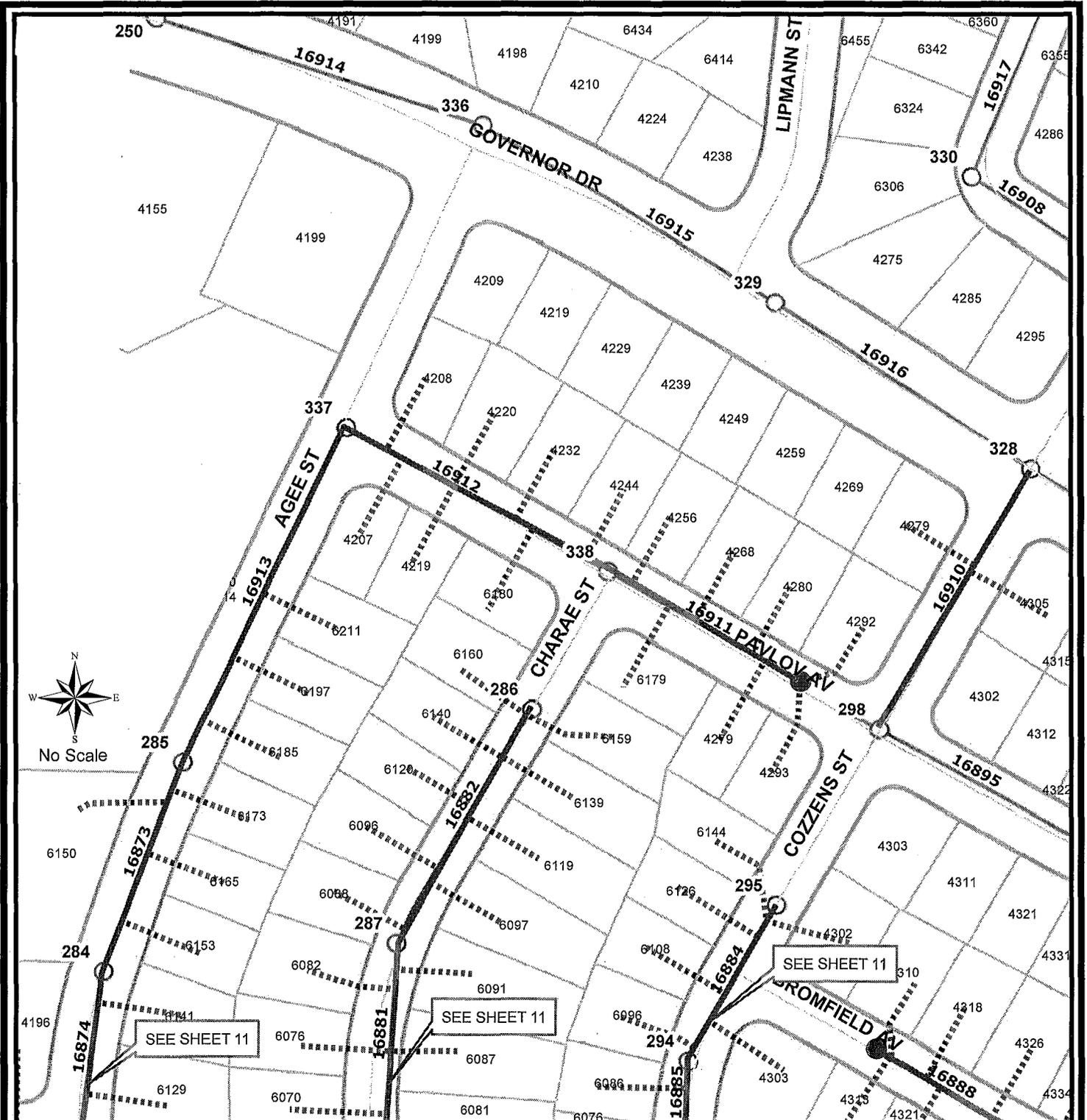


WBS: B-14125

Thomas Brothers Page
1228 5E, 1228 6E

Field Book Index
E09S, E10S

SHEET NO. 11



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

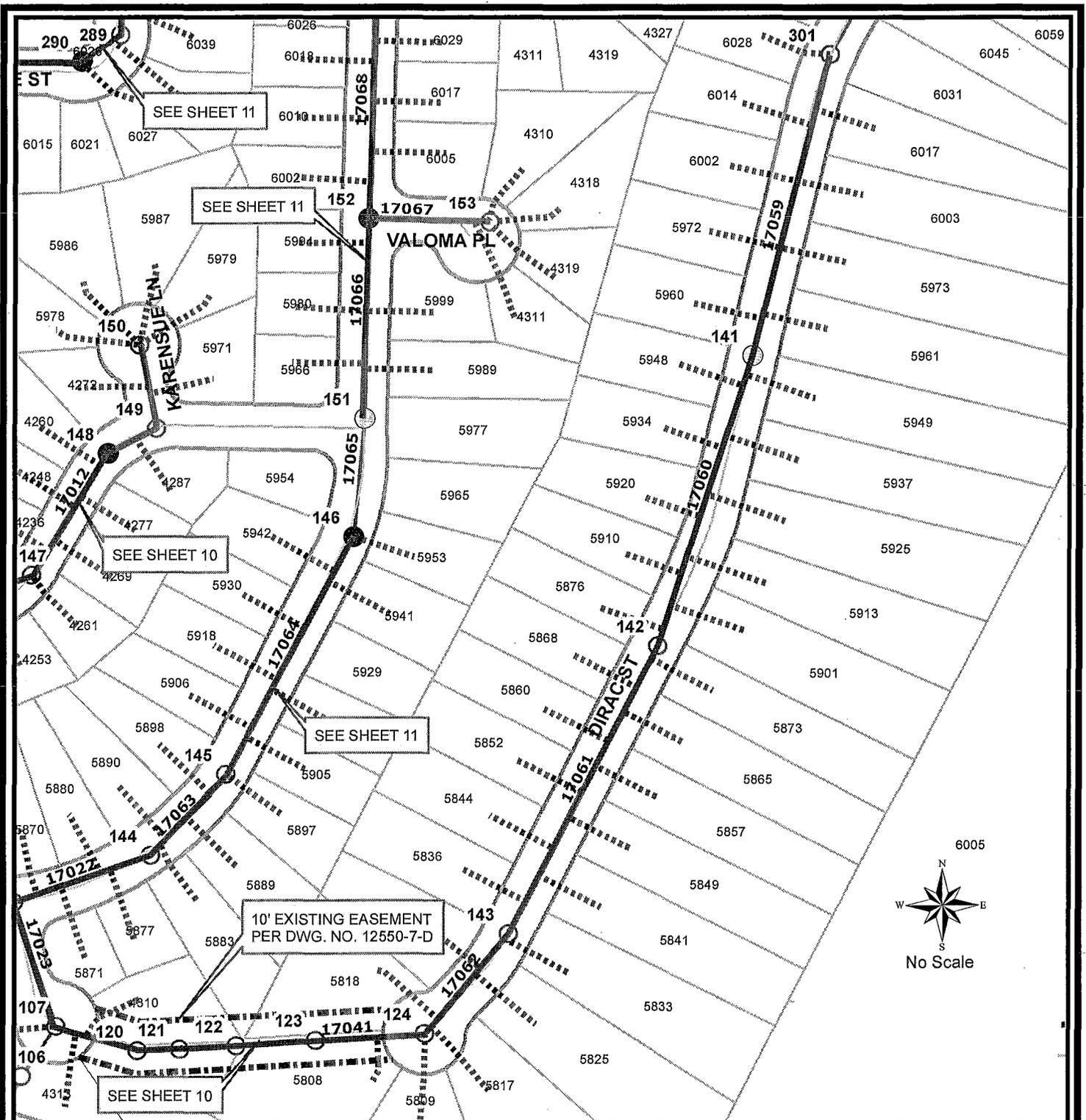
- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Existing Manhole No.
- Facility Sequence No.
- New Cleanout
- Ex. Manhole
- Sewer Main
- Right Of Way
- 456 Property Address No.

WBS: B-14125

Thomas Brothers Page
 1228 5E, 1228 6F

Field Book Index
 E09S, E10S

SHEET NO. 12



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

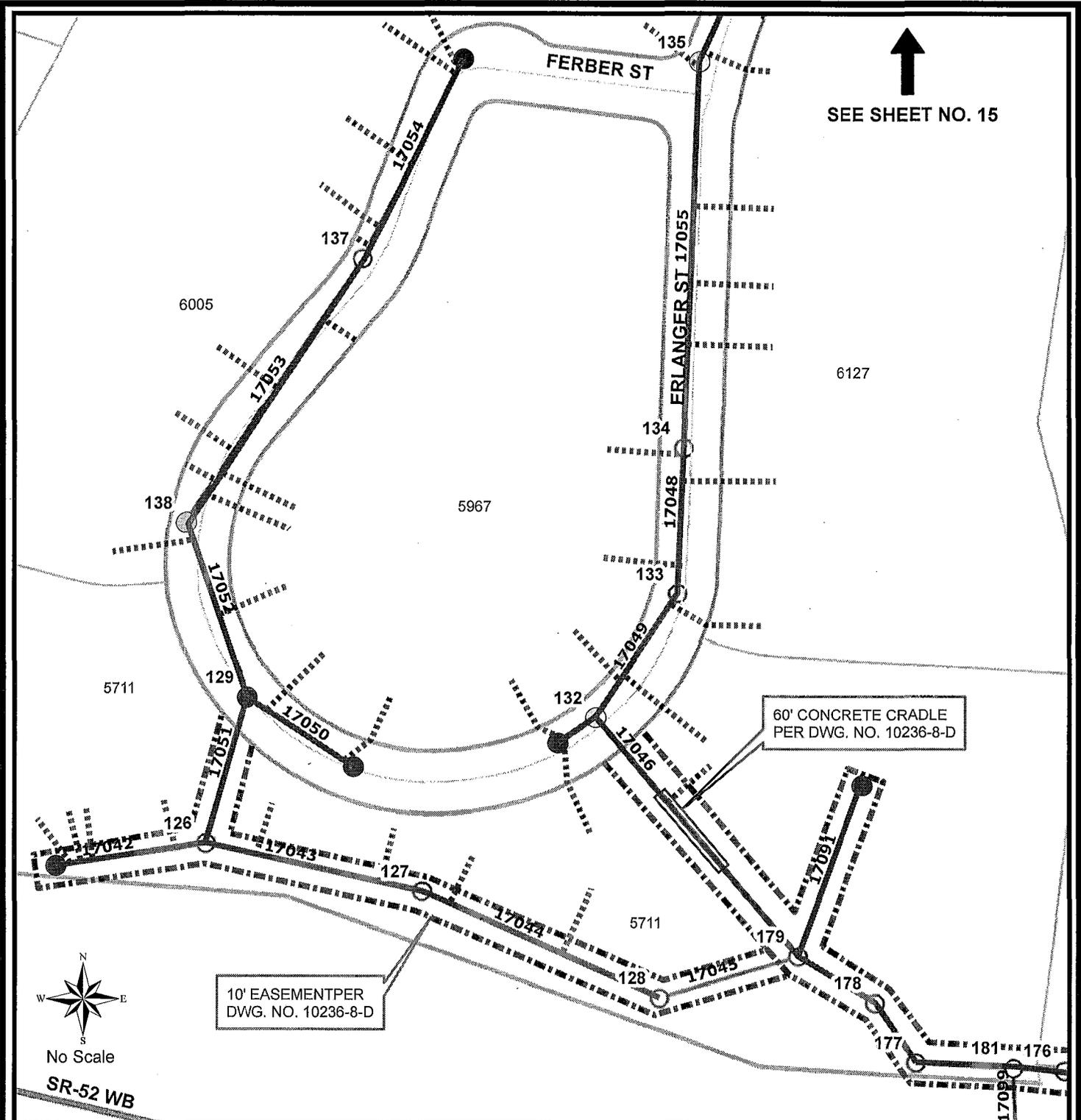
SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Easement
- Ex Manhole To Be Rehabbed
- 2** Existing Manhole No.
- 1234** Facility Sequence No.
- Ex. Manhole To Be Replaced
- Ex. Manhole
- Sewer Main
- Right Of Way
- 456** Property Address No.



WBS: B-14125
 Thomas Brothers Page
1228 5E, 1228 6E
 Field Book Index
E09S, E10S
SHEET NO. 13



No Scale

SR-52 WB

CITY OF SAN DIEGO
PUBLICWORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

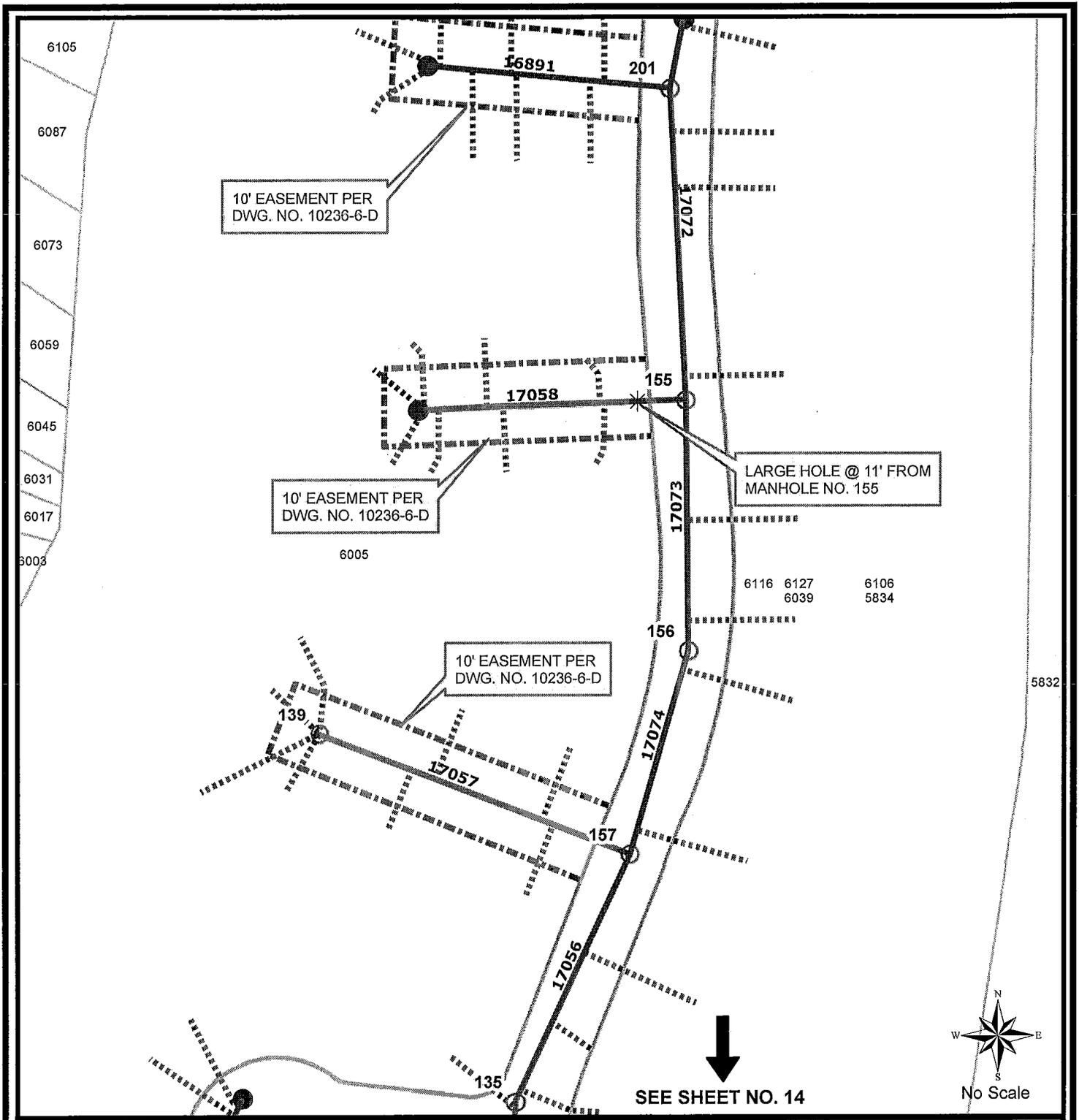
Legend

- Ex. 8" Sewer Main to be Rehabbed
- - - Ex. Lateral. To Be Rehabbed
- New Cleanout
- · - · - Easement
- 456 Property Address No.
- Ex Manhole To Be Rehabbed
- Ex. Manhole To Be Replaced
- Ex. Manhole
- Sewer Main
- 1234 Facility Sequence No.
- 2 Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
1228 6F
 Field Book Index
E10S

SHEET NO. 14



10' EASEMENT PER
DWG. NO. 10236-6-D

10' EASEMENT PER
DWG. NO. 10236-6-D

10' EASEMENT PER
DWG. NO. 10236-6-D

LARGE HOLE @ 11' FROM
MANHOLE NO. 155

SEE SHEET NO. 14



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- | | |
|----------------------------------|----------------------------|
| Ex. 8" Sewer Main to be Rehabbed | Point Of Repair |
| Ex. Lateral. To Be Rehabbed | Ex. Manhole |
| Easement | Sewer Main |
| Ex. Manhole To Be Replaced | Right Of Way |
| New Cleanout | 456 Property Address No. |
| Existing Manhole No. | 1234 Facility Sequence No. |

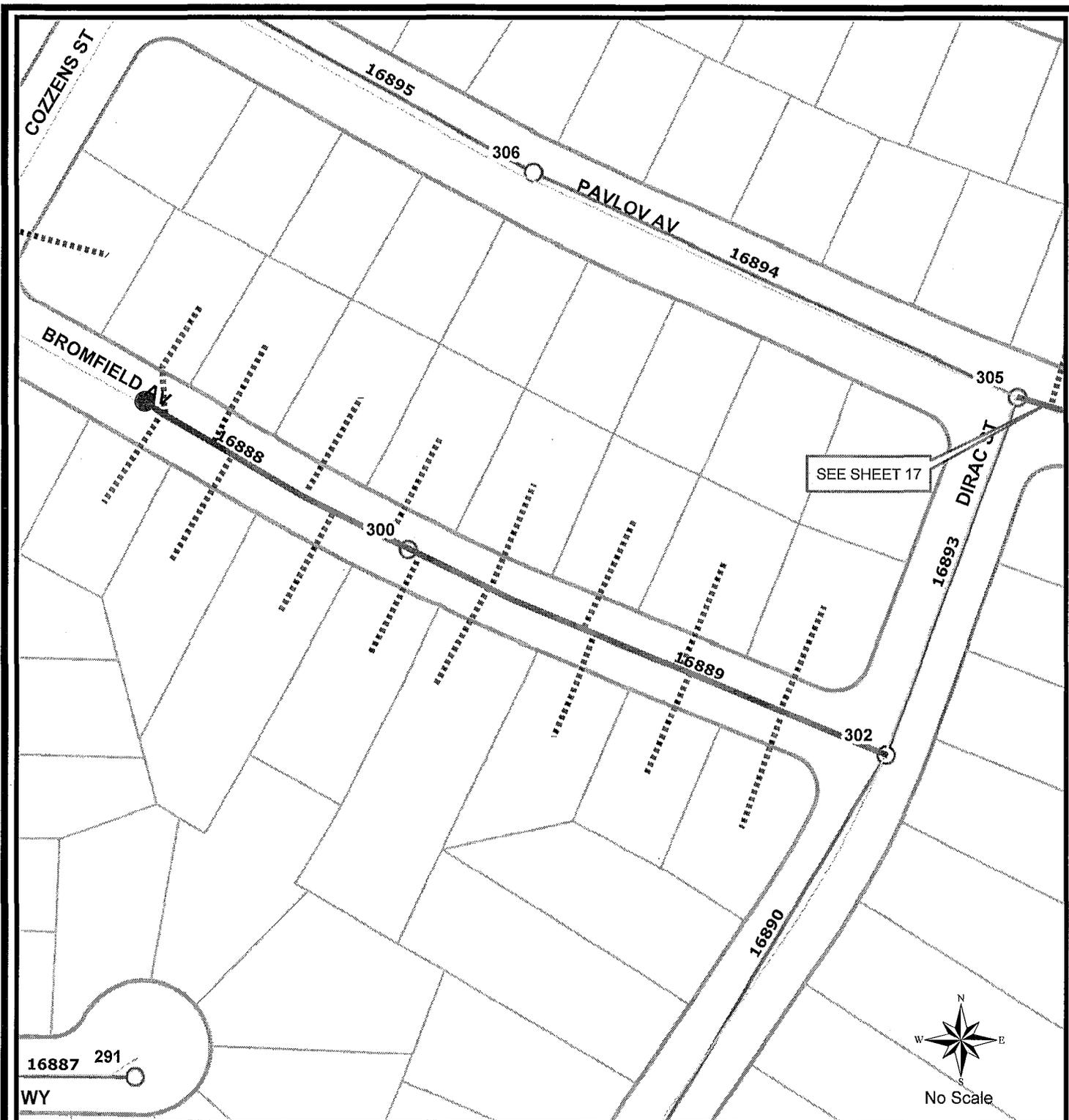


WBS: B-14125

Thomas Brothers Page
1228 6E

Field Book Index
E09S

SHEET NO. 15



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

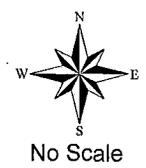
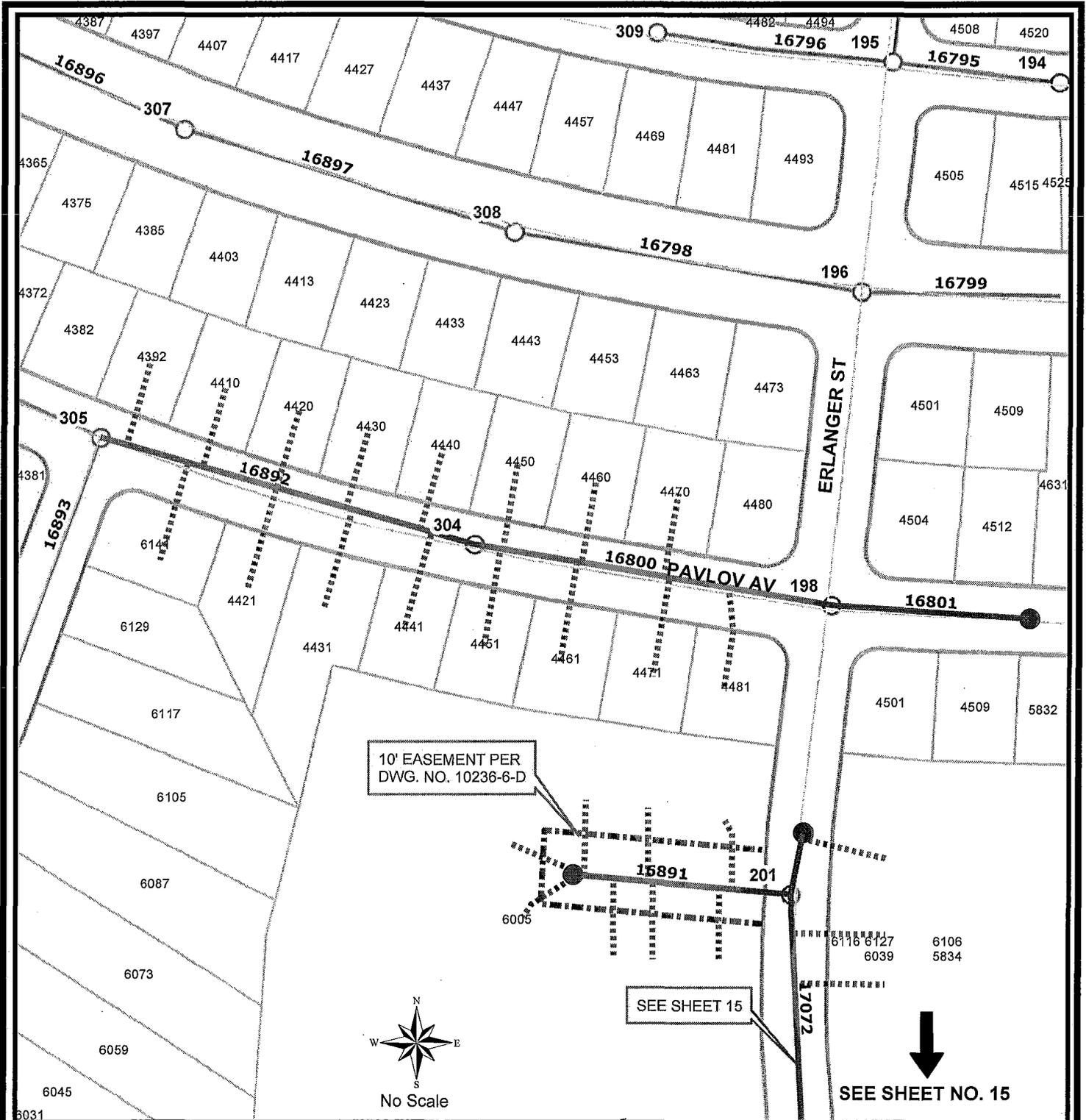
SEWER REHABILITATION AF-1

Legend

- | | |
|----------------------------------|-----------------------------------|
| Ex. 8" Sewer Main to be Rehabbed | Ex. Manhole |
| Ex. Lateral. To Be Rehabbed | Sewer Main |
| New Cleanout | Right Of Way |
| 2 Existing Manhole No. | 456 Property Address No. |
| | 1234 Facility Sequence No. |



WBS: B-14125
 Thomas Brothers Page
 1228 5E, 1228 5E
 Field Book Index
 E09S
SHEET NO. 16



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Easement
- New Cleanout
- Existing Manhole No.
- Ex. Manhole
- Sewer Main
- Right Of Way
- 456 Property Address No.
- 1234 Facility Sequence No.

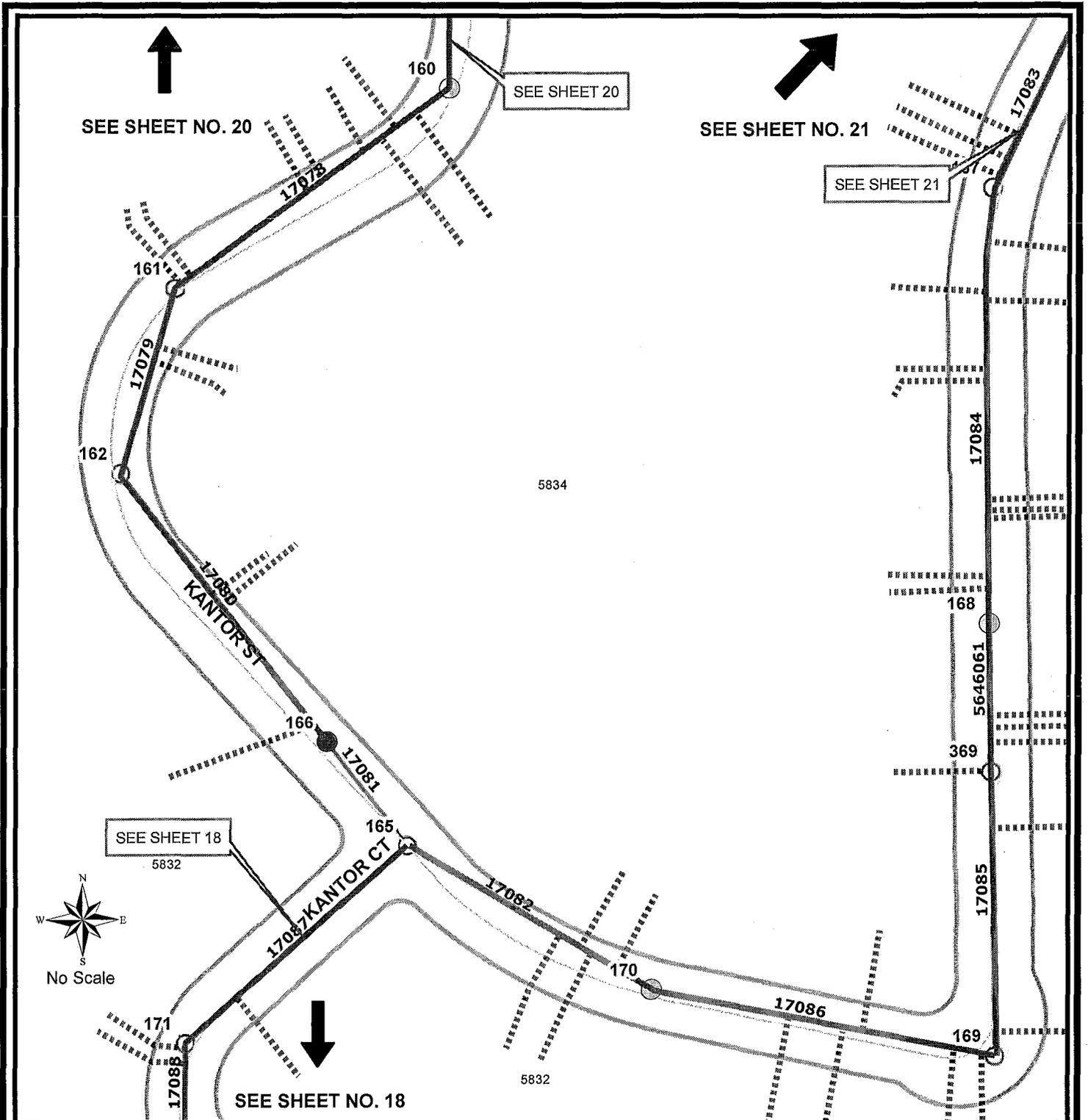


WBS: B-14125

Thomas Brothers Page
 1228 5F

Field Book Index
 E10S

SHEET NO. 17



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

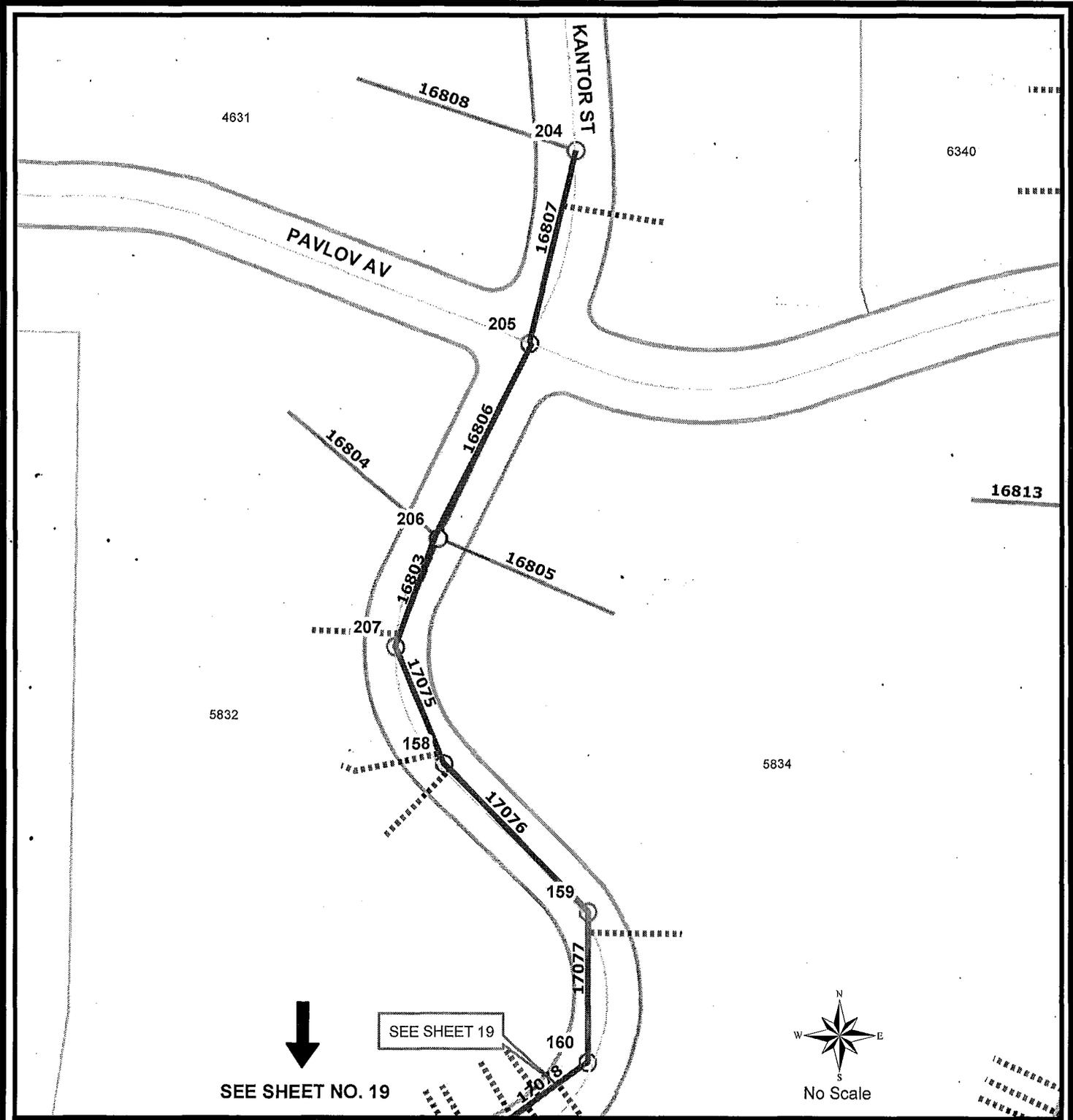
- | | | | |
|----------|----------------------------------|--|-----------------------------------|
| | Ex. 8" Sewer Main to be Rehabbed | | Ex. Manhole |
| | Ex. Lateral. To Be Rehabbed | | Sewer Main |
| | Ex Manhole To Be Rehabbed | | Right Of Way |
| | Ex. Manhole To Be Replaced | | 456 Property Address No. |
| 2 | Existing Manhole No. | | 1234 Facility Sequence No. |



WBS: B-14125

Thomas Brothers Page
 1228 5F
 Field Book Index
 E10S

SHEET NO. 19



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

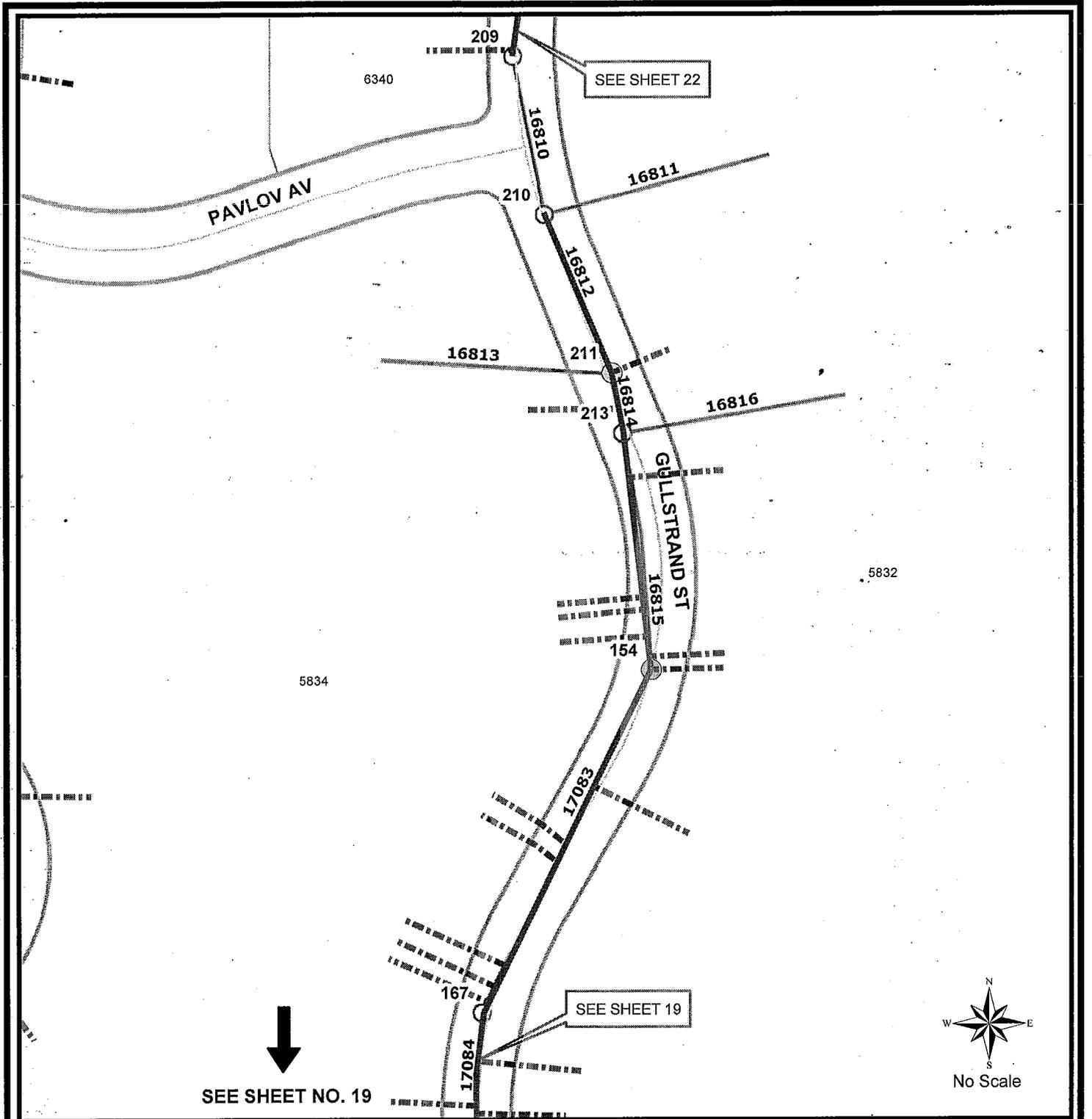
SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Ex. Manhole
- Existing Manhole No.
- Sewer Main
- Right Of Way
- Property Address No.
- Facility Sequence No.



WBS: B-14125
 Thomas Brothers Page
1228 5F, 1228 6F
 Field Book Index
E09S, E10S
SHEET NO. 20



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- | | |
|----------------------------------|----------------------------|
| Ex. 8" Sewer Main to be Rehabbed | Ex. Manhole To Be Rehabbed |
| Ex. Lateral. To Be Rehabbed | Sewer Main |
| 456 Property Address No. | Right Of Way |
| 1234 Facility Sequence No. | 2 Existing Manhole No. |

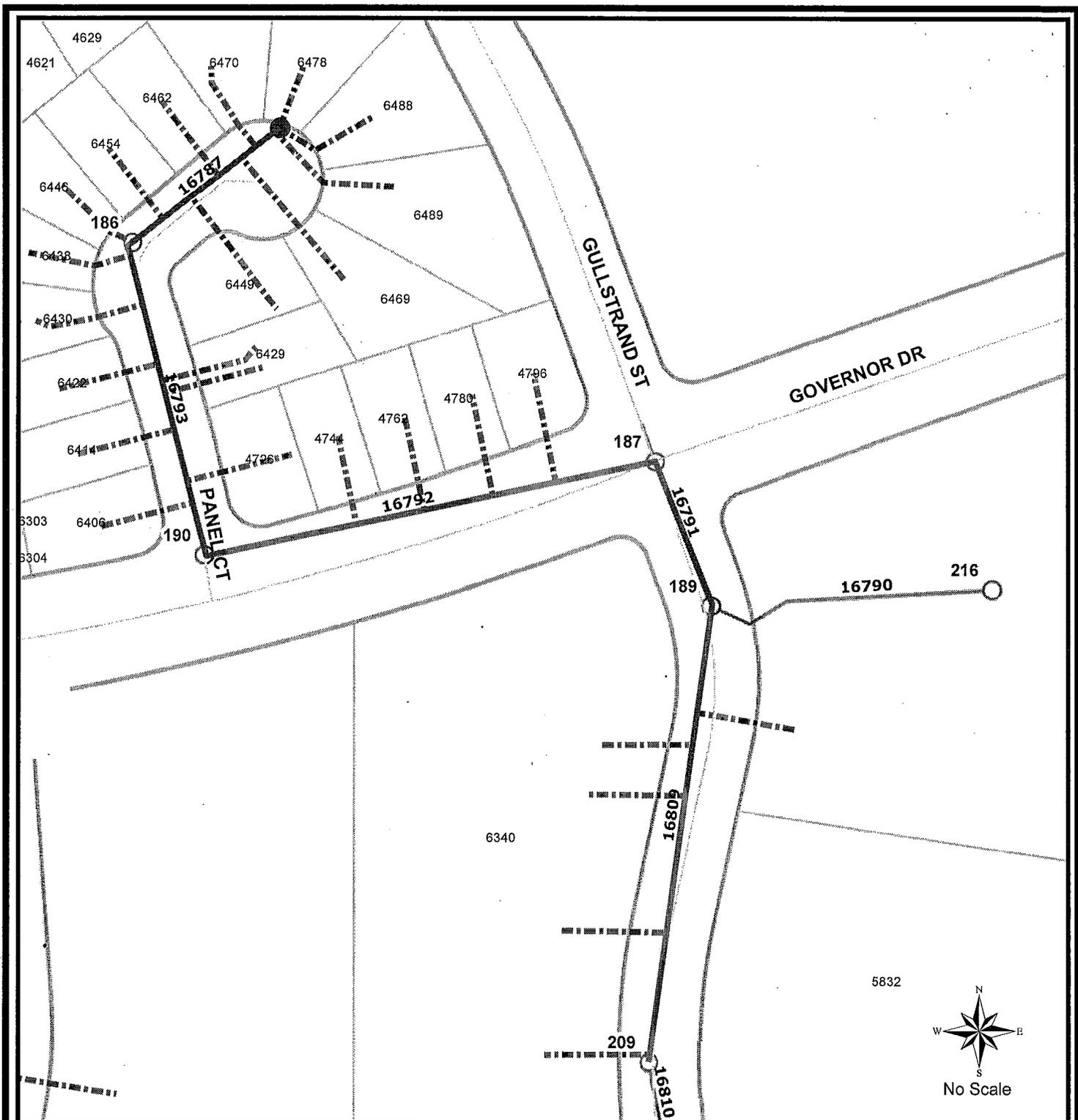


WBS: B-14125

Thomas Brothers Page
1228 5F, 1228 6F

Field Book Index
E09S, E10S

SHEET NO. 21



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- | | |
|--|--|
|  Ex. 8" Sewer Main to be Rehabbed |  Ex. Manhole |
|  Ex. Lateral. To Be Rehabbed |  Sewer Main |
|  New Cleanout |  Right Of Way |
| 456 Property Address No. | 2 Existing Manhole No. |
| 1234 Facility Sequence No. | |

SanGIS

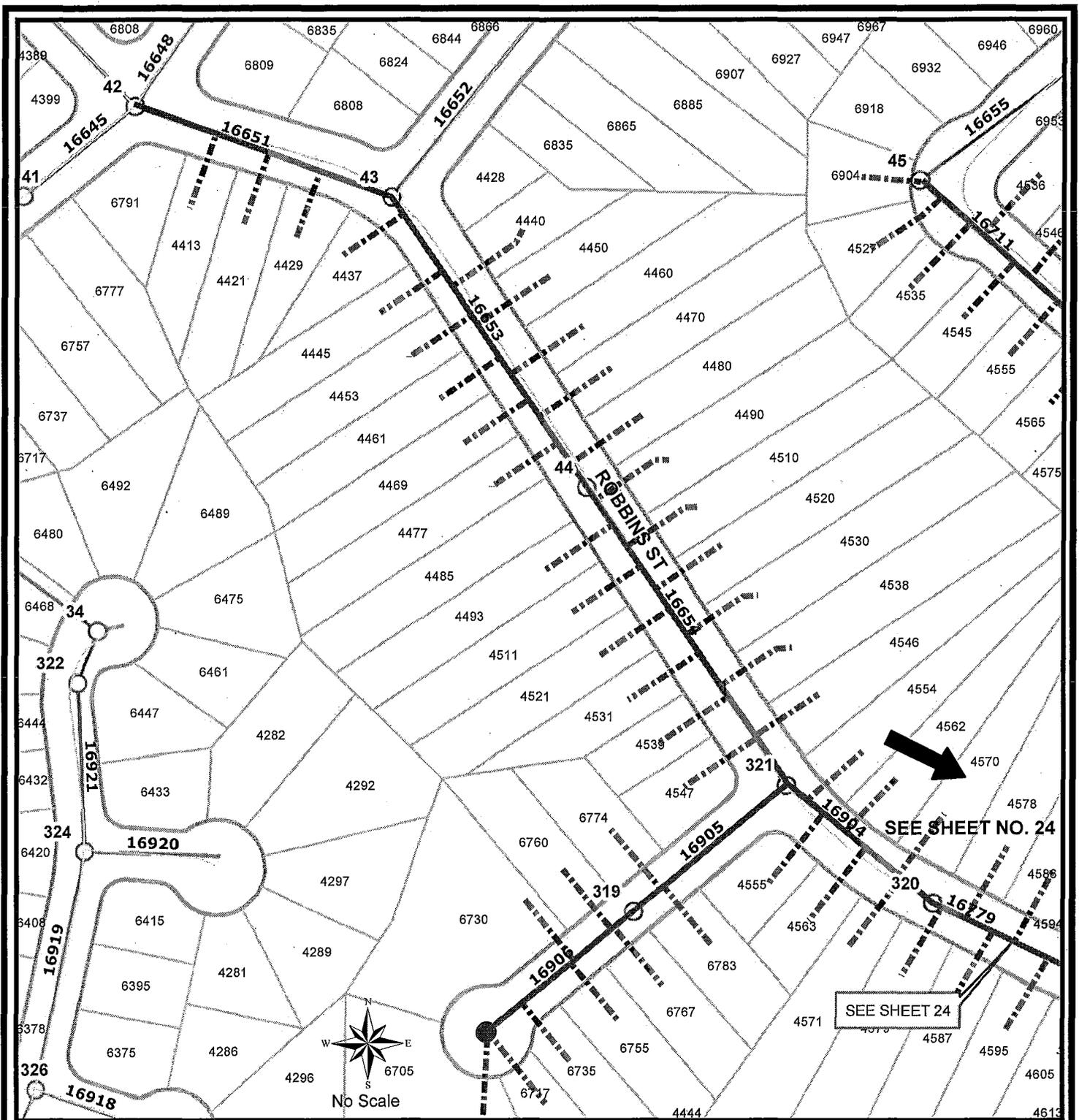


WBS: B-14125

Thomas Brothers Page
 1228 5F, 1228 6F

Field Book Index
 E09S, E10S

SHEET NO. 22



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

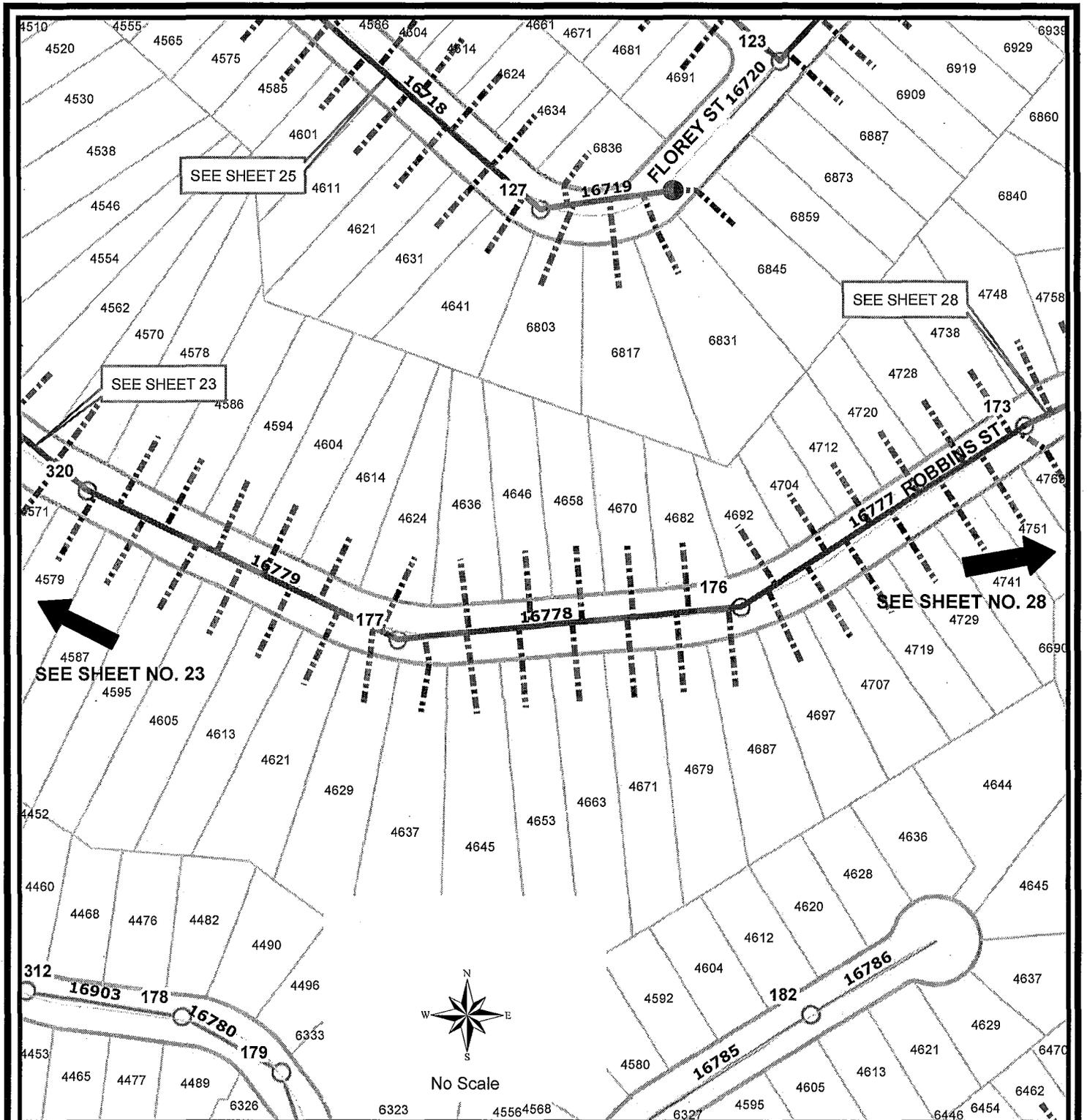
SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- New Clearout
- Ex. Manhole
- Sewer Main
- Right Of Way
- 456 Property Address No.
- 2 Existing Manhole No.
- 1234 Facility Sequence No.



WBS: B-14125
 Thomas Brothers Page
 1228 4E, 1228 5F
 Field Book Index
 E09S
SHEET NO. 23



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- New Cleanout
- 456 Property Address No.
- 1234 Facility Sequence No.
- Ex. Manhole
- Sewer Main
- Right Of Way
- 2** Existing Manhole No.

SARGIS

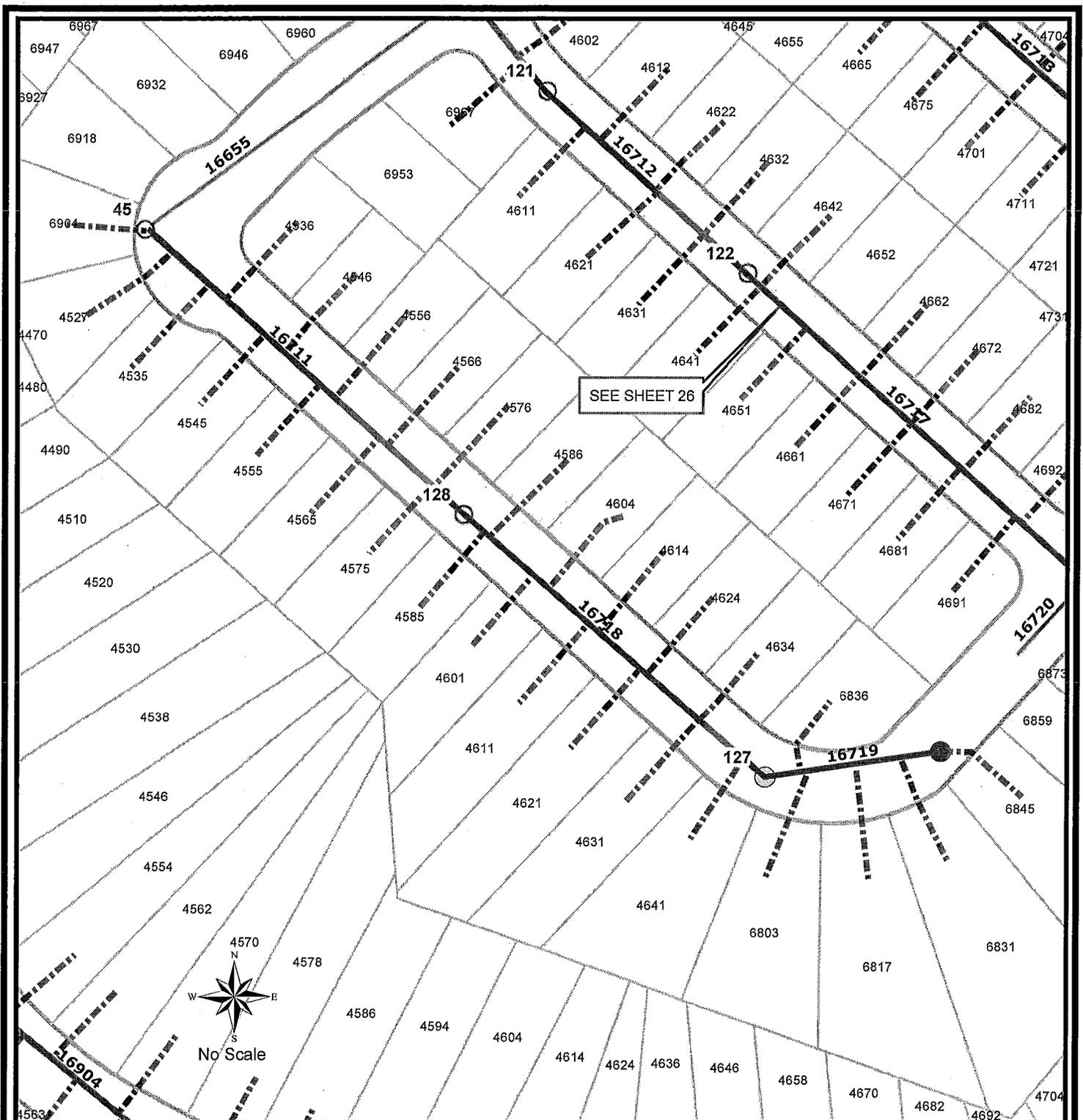


WBS: B-14125

Thomas Brothers Page
1228 5F

Field Book Index
E09S

SHEET NO. 24



CITY OF SAN DIEGO
PUBLICWORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

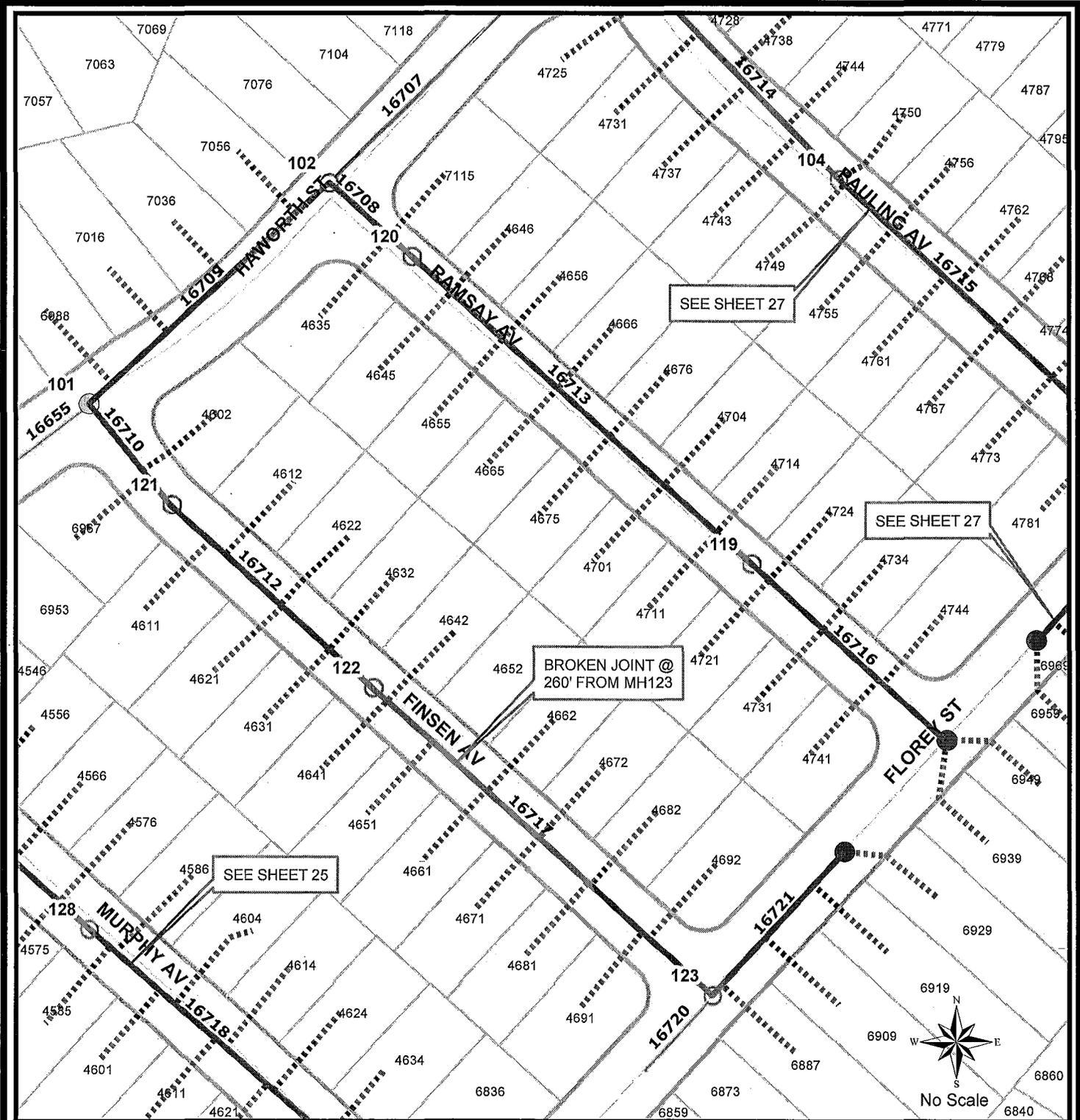
- | | |
|----------------------------------|----------------------|
| Ex. 8" Sewer Main to be Rehabbed | New Cleanout |
| Ex. Lateral. To Be Rehabbed | Ex. Manhole |
| Ex Manhole To Be Rehabbed | Sewer Main |
| 456 Property Address No. | Existing Manhole No. |
| 1234 FSN No. | |

WBS: B-14125

Thomas Brothers Page
1228 4F, 1228 5F

Field Book Index
E09S

SHEET NO. 25



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Ex Manhole To Be Rehabbed
- 456 Property Address No.
- 1234 FSN No.
- New Cleanout
- Ex. Manhole
- Sewer Main
- Existing Manhole No.

SanGIS



WBS: B-14125

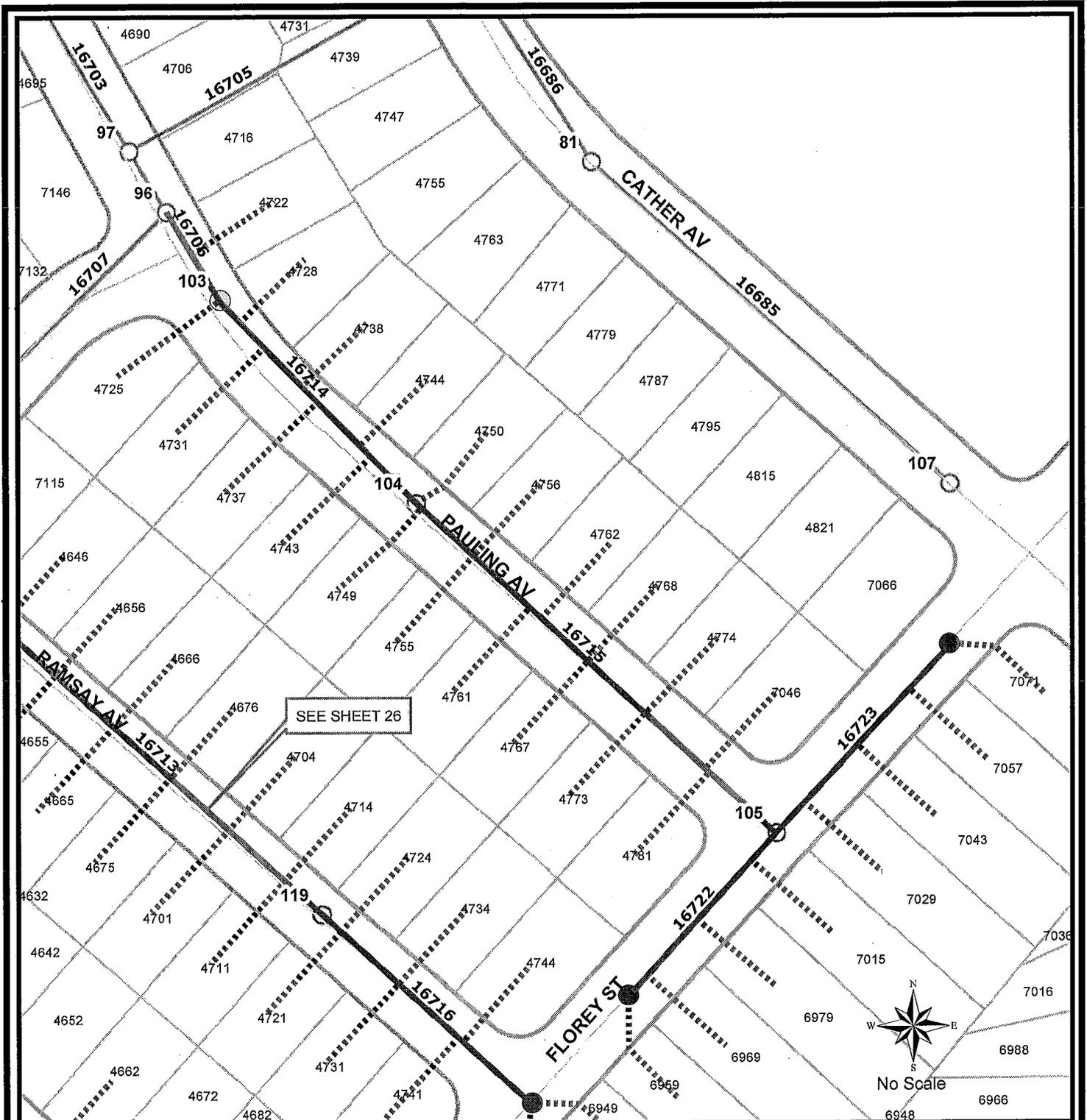
Thomas Brothers Page

1228 4F

Field Book Index

E09S

SHEET NO. 26



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- Ex Manhole To Be Rehabbed
- New Cleanout
- 456 Property Address No.
- 1234 Facility Sequence No.
- Ex. Manhole
- Sewer Main
- Right Of Way
- 2** Existing Manhole No.

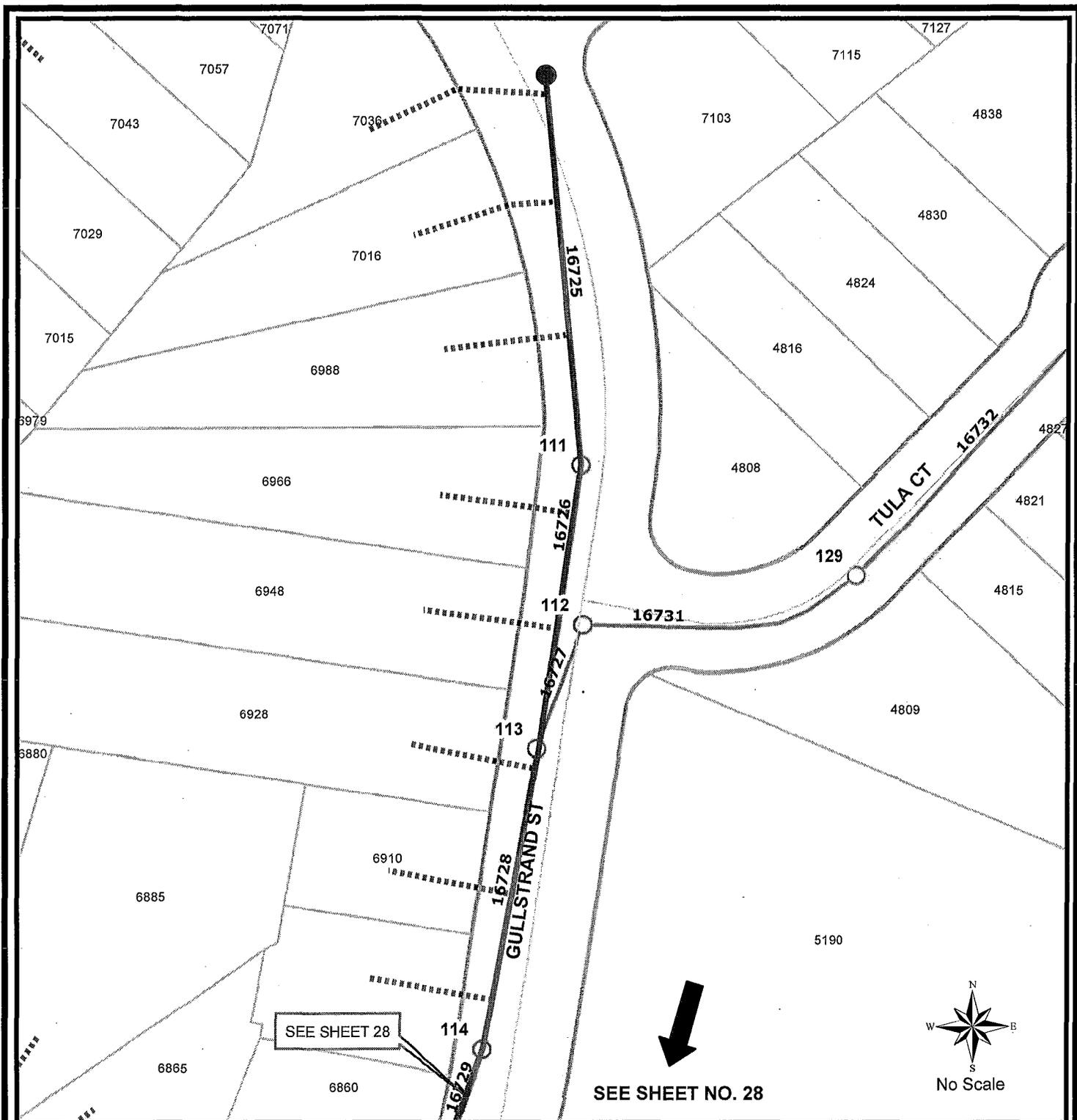


WBS: B-14125

Thomas Brothers Page
1228 4F

Field Book Index
E09S

SHEET NO. 27



SEE SHEET 28

SEE SHEET NO. 28



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Ex. Lateral. To Be Rehabbed
- New Cleanout
- 456 Property Address No.
- 1234 Facility Sequence No.
- Ex. Manhole
- Sewer Main
- Right Of Way
- 2 Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
 1228 4F, 1228 5F
 Field Book Index
 E09S
SHEET NO. 29

Construction Notes:

1. Contractor shall located end of existing sewer mains prior to installation of cleanouts.
2. Contractor shall coordinate with property owners the schedule of work within the easement areas including access paths and staging areas within easements and adjacent properties prior to mobilization of work.

Contractor shall obtain all permissions to access easement mains from the property owners prior to mobilization using the "Permit to Do Work on Private Property" form found in Appendix Q.
3. Foot access to existing manholes in easements and private properties are limited. Contractor shall replace in kind all existing improvements damaged during construction at no additional cost to the City.
4. Use extreme caution when working due to low overhead utility lines.

APPENDIX G

MAINLINE REHABILITATION SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
1	78	8	1758	EASEMENT	189	8	VC	8.3	0.7	B02S	1
	78	PLUG	1831	EASEMENT	55	8	VC	2.8	9.1	B02S	1
	80	78	1832	EASEMENT	223	8	VC	8.2	3.7	B02S	1
	105	103	1849	VIA ESPERIA	209	8	VC	7.56	7.56	B02S	1
	106	105	1850	VIA ESPERIA	256	8	VC	9.26	9.26	B02S	1
	107	106	1851	VIA ESPERIA	257	8	VC	8.95	8.95	B02S	1
	108	107	1852	VIA ESPERIA	252	8	VC	7.1	7.1	B02S	1
2	169	170	6411	MANGO DR	318	8	VC	7	0.5	B01S	1
	1	PLUG	6660	SHALIMAR PL	120	8	VC	2.5	7.2	C01S	1
	1	PLUG	6661	SHALIMAR CV	170	8	VC	3.6	7	C01S	1
	2	1	6662	SHALIMAR PL	228	8	VC	5.2	5.6	C01S	1
	3	2	6664	LONG BOAT WY	165	8	VC	9.3	6.8	C01S	1
	8	3	6665	LONG BOAT WY	127	8	VC	9.9	5.2	C01S	1
	174	PLUG	6412	SHALIMAR PL	200	8	VC	4.2	2.8	C01S	1
	175	174	6413	SHALIMAR PL	289	8	VC	6.3	3	C01S	1
	176	175	6414	SHALIMAR PL	48	8	VC	6.8	4	C01S	1
	177	176	6415	MANGO DR	260	8	VC	6.5	7	C01S	1
3	140	PLUG	1678	BARBADOS WY	200	8	VC	7	0.6	B01S	1
	154	153	6397	BARBADOS WY	352	8	VC	13.8	7.4	C01S	1
	155	154	6398	BARBADOS WY	43	8	VC	22.6	1	C01S	1
	161	155	6399	MANGO DR	257	8	VC	14.2	7	C01S	1
	137	PLUG	1677	MANGO DR	102	8	VC	2.9	11.5	B01S	1
	156	137	1676	MANGO DR	294	8	VC	6.5	11.5	B01S	1
	157	156	6409	MANGO DR	121	8	VC	6.6	11.5	B01S	1
3	157	169	6410	MANGO DR	331	8	VC	5.8	6.8	C01S	1
	158	157	6408	MANGO DR	303	8	VC	9.2	10.6	C01S	1
	159	158	6407	MANGO DR	120	8	VC	10.7	5.7	C01S	1
4	97	98	1643	MANGO DR	342	8	VC	12.7	0.4	B01S	1
	141	97	1642	MANGO DR	350	8	VC	13.9	0.6	B01S	1
	140	141	1680	CALAIS DR	259	8	VC	10.8	2.6	B01S	1
	93	PLUG	1640	CALAIS DR	200	8	VC	7.9	0.6	B01S	1
	143	93	1641	CALAIS DR	350	8	VC	9.7	1.4	B01S	1
	142	143	1682	BOCA RATON ST	249	8	VC	10.7	2.3	B01S	1
	140	142	1681	BOCA RATON ST	328	8	VC	8.2	10.6	B01S	1
	153	140	1679	BARBADOS WY	339	8	VC	11.4	10.5	B01S	1
	152	PLUG	6261	BARBADOS WY	200	8	VC	8.4	0.6	C01S	1
	153	152	6396	MANGO DR	313	8	VC	8	2.3	C01S	1
	112	111	1653	MANGO DR	350	8	VC	15.9	3	B01S	1
	113	112	1654	MANGO DR	125	8	VC	14.3	8	B01S	1
	114	113	1655	MANGO DR	61	8	VC	15.5	5.5	B01S	1
	101	114	1656	MANGO DR	163	8	VC	15.4	6	B01S	1
	99	PLUG	1645	MANGO DR	180	8	VC	3.7	5	B01S	1

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
5	98	99	1644	EASEMENT	178	8	VC	5.3	4	B01S	1
	88	89	1636	CALAIS DR	312	8	PVC	10.4	2.3	B01S	1
	96	PLUG	1639	CALAIS DR	195	8	VC	5.6	2.5	B01S	1
	101	96	1638	CALAIS DR	266	8	VC	6.9	3	B01S	1
5	103	101	1646	CALAIS DR	298	8	VC	15.7	6.6	B01S	1
	104	103	1647	CALAIS DR	132	8	VC	15	8	B01S	1
	105	104	1648	CALAIS DR	211	8	VC	15.2	8	B01S	1
	1	105	6246	CALAIS DR	118	8	VC	15.4	7.6	B01S	1
6	110	PLUG	1461	MANGO DR	200	8	VC	9.9	0.7	B01S	1
	111	110	1652	MANGO DR	300	8	VC	19.8	0.7	B01S	1
7	119	PLUG	1662	MIRA MONTANA DR	200	8	VC	4.6	0.6	B01S	1
	118	119	1661	MIRA MONTANA DR	145	8	VC	4.7	2.2	B01S	1
	118	117	1659	MIRA MONTANA DR	340	8	VC	8	0.4	B01S	1
	117	PLUG	1626	MIRA MONTANA DR	200	8	VC	5.2	0.4	B01S	1
	122	PLUG	1663	BOQUITA DR	200	8	VC	4.8	1.4	B01S	1
	123	122	1664	BOQUITA DR	262	8	VC	5.5	3.9	B01S	1
	123	125	1666	BOQUITA DR	270	8	VC	15.9	0.4	B01S	1
	125	85	1625	BOQUITA DR	265	8	VC	15	0.4	B01S	1
	124	118	1660	CORDERO	220	8	VC	9.9	0.5	B01S	1
	123	124	1665	CORDERO	125	8	VC	4.4	16.9	B01S	1
	66	123	1667	CORDERO	275	8	VC	15.2	1.5	B01S	1
67	66	1614	CORDERO	73	8	VC	0.4	18.8	B01S	1	
8	94	276	17000	TAMILYN ST.	201	8	VC	8.5	6.4	E10S	1
8	93	94	17001	TAMILYN ST.	288	8	VC	8.8	8.7	E10S	1
	92	93	17002	TAMILYN ST.	130	8	VC	9.4	7.6	E10S	1
	91	92	17005	TAMILYN ST.	145	8	VC	11.9	4	E10S	1
	339	PLUG	17009	ZENAKO ST	219	8	VC	3.2	6.6	E10S	1
	339	96	17008	ZENAKO CT	90	8	VC	4.9	2	E10S	1
	98	339	17007	ZENAKO ST	252	8	VC	5.9	6.6	E10S	1
	91	98	17006	ZENAKO ST	162	8	VC	8.2	2.4	E10S	1
	85	91	17016	EASEMENT	117	8	VC	21.7	0.6	E10S	1
	84	85	17017	EASEMENT	80	8	VC	10.6	11.6	E10S	1
	102	84	17018	COZZENS ST	122	8	VC	13.6	4.1	E10S	1
	281	PLUG	16877	ZENAKO ST	165	8	VC	3.2	2.5	E09S	1
	99	281	17010	AGEE ST	350	8	VC	18.6	5.8	E09S	1
	100	99	17011	AGEE ST	199	8	VC	18.7	5.8	E09S	1
	102	100	17015	AGEE ST	289	8	VC	19.5	5.7	E09S	1
		277	278	16867	TAMILYN CT.	137	8	VC	7.2	2.1	E09S
276		277	16866	TAMILYN CT.	91	8	VC	8	1.5	E09S	1
274		273	16871	RAYA WY	190	8	VC	4.8	2.4	E10S	1
275		274	16870	TAMILYN ST.	237	8	VC	5.9	3.4	E10S	1
276		275	16869	TAMILYN ST.	229	8	VC	5.8	6.8	E10S	1

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
9	283	272	16872	RAYA WY	345	8	VC	4.5	6	E09S	1
10	145	146	17064	COZZENS ST	307	8	VC	9.3	8.6	E09S	1
	144	145	17063	COZZENS ST	120	8	VC	10.9	5.4	E09S	1
	105	144	17022	COZZENS ST	148	8	VC	11.9	4.4	E10S	1
	107	105	17023	COZZENS ST	142	8	VC	27	3.5	E10S	1
10	103	102	17019	COZZENS ST	39	8	VC	15.7	19.3	E10S	1
	104	103	17020	COZZENS ST	250	8	VC	24.6	3.2	E10S	1
	105	104	17021	COZZENS ST	143	8	VC	24.1	3.5	E10S	1
	123	124	17041	DIRAC ST	125	8	VC	33	1.2	E10S	1
	122	123	17040	EASEMENT	80	8	VC	15	28.2	E10S	1
	121	122	17039	EASEMENT	62	8	VC	24	54.8	E10S	1
	120	121	17038	EASEMENT	53	8	VC	24	5.1	E10S	1
	107	120	17037	COZZENS CT	99	8	VC	27	4.8	E10S	1
	149	150	17069	KARENSUE LN	93	8	VC	5.1	3.3	E10S	1
	148	149	17210	KARENSUE AV	73	8	VC	6	2	E10S	1
	147	148	17012	KARENSUE AV	152	8	VC	7.3	2	E10S	1
	101	147	17013	KARENSUE AV	123	8	VC	7.8	2	E10S	1
	11	100	101	17014	KARENSUE AV	178	8	VC	8.3	2	E10S
288		287	16881	CHARAE ST	261	8	VC	7	4.1	E09S	1
289		288	16880	CHARAE ST	350	8	VC	8.7	4.7	E09S	1
290		289	16879	CHARAE ST	45	8	VC	9	4.3	E09S	1
281		290	16878	CHARAE ST	240	8	VC	9.9	3.3	E09S	1
294		295	16884	COZZENS ST	173	8	VC	4.8	1.7	E09S	1
293		294	16885	COZZENS ST	105	8	VC	3.9	6.8	E09S	1
292		293	16886	COZZENS ST	338	8	VC	5.2	8.2	E09S	1
152		292	17068	COZZENS ST	267	8	VC	7.1	8.3	E09S	1
152		153	17067	VALOMA PL	119	8	VC	3.7	3.2	E09S	1
151		152	17066	COZZENS ST	231	8	VC	8	9	E09S	1
11	283	284	16874	AGEE ST	153	8	VC	17.5	4.5	E09S	1
	282	283	16875	AGEE ST	230	8	VC	16.8	5.8	E09S	1
	281	282	16876	AGEE ST	230	8	VC	16.8	6.3	E09S	1
12	287	286	16882	CHARAE ST	250	8	VC	5.1	4.1	E09S	1
	298	328	16910	COZZENS ST	280	8	VC	36.7	0.4	E09S	1
	338	PLUG	16911	PAVLOV AV	200	8	VC	5	2	E09S	1
	337	338	16912	PAVLOV AV	286	8	VC	9.2	0.6	E09S	1
	285	337	16913	AGEE ST	353	8	VC	16.5	2.1	E09S	1
	284	285	16873	AGEE ST	206	8	VC	17	4.9	E09S	1
13	141	301	17059	DIRAC ST	350	8	VC	20.8	5.6	E10S	1
	142	141	17060	DIRAC ST	345	8	VC	27.4	2	E10S	1
	143	142	17061	DIRAC ST	350	8	VC	21.5	5.5	E10S	1
	124	143	17062	DIRAC ST	146	8	VC	33	6.5	E10S	1
	137	PLUG	17054	FERBER ST	200	8	VC	5.6	1	E10S	1

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
14	138	137	17053	FERBER ST	280	8	VC	5.9	3	E10S	1
	129	138	17052	FERBER ST	175	8	VC	5.3	5	E10S	1
	129	PLUG	17050	FERBER ST	110	8	VC	4.1	0.4	E10S	1
	126	129	17051	FERBER ST	134	8	VC	6.1	3.7	E10S	1
	126	PLUG	17042	EASEMENT	135	8	VC	4.7	1.6	E10S	1
14	127	126	17043	EASEMENT	240	8	VC	7.6	2.7	E10S	1
	128	127	17044	EASEMENT	240	8	VC	7.6	2.7	E10S	1
	134	135	17055	ERLANGER ST	350	8	VC	10.3	4.7	E10S	1
	133	134	17048	ERLANGER ST	128	8	VC	11.7	3.2	E10S	1
	132	133	17049	ERLANGER ST	130	8	VC	17.6	0.6	E10S	1
	132	PLUG	17047	ERLANGER ST	30	8	VC	3.6	5	E10S	1
	179	132	17046	ERLANGER ST	276	8	VC	10.6	6	E10S	1
15	155	PLUG	17058	EASEMENT	200	8	VC	6.8	1	E10S	1
	157	156	17074	ERLANGER ST	165	8	VC	8.4	4.6	E09S	1
	156	155	17073	ERLANGER ST	196	8	VC	7.8	4.7	E09S	1
	155	201	17072	ERLANGER ST	239	8	VC	6.3	4.7	E09S	1
	201	PLUG	16802	ERLANGER ST	53	8	VC	4.5	4.7	E09S	1
	201	PLUG	16891	EASEMENT	180	8	VC	6.7	1	e09s	1
	157	139	17057	EASEMENT	250	8	VC	6.9	1	E10S	1
15	135	157	17056	ERLANGER ST	207	8	VC	9.5	4.7	E10S	1
16	300	PLUG	16888	BROMFIELD AV	190	8	VC	5.5	2	E09S	1
	302	300	16889	BROMFIELD AV	350	8	VC	7.6	2.6	E09S	1
17	198	PLUG	16801	PAVLOV AV	180	8	VC	4.2	2.2	E09S	1
	304	198	16800	PAVLOV AV	314	8	VC	6.6	2.2	E09S	1
	305	304	16892	PAVLOV AV	327	8	VC	8.9	1.9	E09S	1
18	181	176	17095	EASEMENT	43	8	VC	35	2.2	E10S	1
	176	175	17096	EASEMENT	52	8	VC	35	50.5	E10S	1
	175	184	17097	EASEMENT	121	8	VC	26	8.9	E10S	1
	184	174	17098	EASEMENT	121	8	VC	26	15.3	E10S	1
	174	173	17090	EASEMENT	173	8	VC	36	2	E10S	1
	173	172	17089	KANTOR CT	87	8	VC	36	1.8	E10S	1
	172	171	17088	KANTOR CT	95	8	VC	37	5	E10S	1
	171	165	17087	KANTOR ST	246	8	VC	44	0.9	E10S	1
19	165	170	17082	KANTOR ST	233	8	VC	29.7	1.3	E10S	1
	170	169	17086	KANTOR ST	283	8	VC	40.1	0.4	E10S	1
	169	370	17085	GULLSTRAND ST	250	8	VC	20.1	5.6	E10S	1
	369	168	5646061	GULLSTRAND ST	119	8	VC	UNK	UNK	E10S	1
19	166	162	17080	KANTOR ST	270	8	VC	17.1	5.3	E10S	1
	162	161	17079	KANTOR ST	156	8	VC	17.2	5.2	E10S	1
	161	160	17078	KANTOR ST	268	8	VC	16.3	5	E10S	1
	160	159	17077	KANTOR ST	130	8	VC	16.3	5	E10S	1
	168	167	17084	GULLSTRAND ST	350	8	VC	19.4	4.5	E10S	1

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
20	159	158	17076	KANTOR ST	185	8	VC	15.9	4.5	E10S	1
	158	207	17075	KANTOR ST	134	8	VC	14.7	4.3	E10S	1
	207	206	16803	KANTOR ST	98	8	VC	17.7	2	E09S	1
	206	205	16806	KANTOR ST	203	8	VC	12.2	2	E09S	1
	205	204	16807	KANTOR ST	176	8	VC	10	4.5	E09S	1
21	167	154	17083	GULLSTRAND ST	350	8	VC	17.7	5.3	E10S	1
	154	213	16815	GULLSTRAND ST	212	8	VC	15.9	5	E09S	1
	213	211	16814	GULLSTRAND ST	59	8	UNK	14.7	5	E09S	1
	211	210	16812	GULLSTRAND ST	155	8	VC	13.1	5	E09S	1
22	209	189	16809	GULLSTRAND ST	340	8	VC	12.2	2	E09S	1
	189	187	16791	GULLSTRAND ST	116	8	VC	10.6	0.4	E09S	1
	187	190	16792	GOVERNOR DR	339	8	VC	11.1	0.4	E09S	1
	190	186	16793	PANEL CT	244	8	VC	8.9	0.4	E09S	1
	186	PLUG	16787	PANEL CT	148	8	VC	7.3	0.4	E09S	1
23	321	320	16904	ROBBINS ST	186	8	VC	26.4	3.6	E09S	1
	319	PLUG	16906	ROBBINS WY	190	8	VC	10.8	7.6	E09S	1
	321	319	16905	ROBBINS WY	196	8	VC	26.4	7.7	E09S	1
	44	321	16654	ROBBINS ST	350	8	VC	28.2	0.4	E09S	1
	43	44	16653	ROBBINS ST	346	8	VC	29.1	0.4	E09S	1
23	42	43	16651	ROBBINS ST	264	8	VC	34.4	1.8	E09S	1
24	176	173	16777	ROBBINS ST	350	8	VC	16.2	1.4	E09S	1
	177	176	16778	ROBBINS ST	350	8	VC	19.3	1.8	E09S	1
	320	177	16779	ROBBINS ST	350	8	VC	19.7	1.1	E09S	1
25	127	PLUG	16719	FLOREY ST	120	8	VC	8.3	0.6	E09S	1
	128	127	16718	MURPHY AV	320	8	VC	12.3	0.6	E09S	1
	45	128	16711	MURPHY AV	320	8	VC	14.8	0.6	E09S	1
26	123	PLUG	16721	FLOREY ST	150	8	VC	7.1	0.4	E09S	1
	122	123	16717	FINSEN AV	350	8	VC	11.3	0.6	E09S	1
	121	122	16712	FINSEN AV	210	8	VC	7.1	7.1	E09S	1
	101	121	16710	FINSEN AV	103	8	VC	13.1	0.6	E09S	1
	102	101	16709	HAWORTH ST	247	8	VC	23.8	0.4	E09S	1
	119	PLUG	16716	RAMSAY AV	200	8	VC	7.4	0.6	E09S	1
	120	119	16713	RAMSAY AV	350	8	VC	10	0.8	E09S	1
	102	120	16708	RAMSAY AV	89	8	VC	10	0.8	E09S	1
27	105	PLUG	16722	FLOREY ST	160	8	VC	5	1.5	E09S	1
	105	PLUG	16723	FLOREY ST	180	8	VC	6.4	0.4	E09S	1
	104	105	16715	PAULING AV	350	8	VC	12.6	0.4	E09S	1
	103	104	16714	PAULING AV	204	8	VC	13.9	0.4	E09S	1
	96	103	16706	PAULING AV	72	8	VC	5.8	18.8	E09S	1
28	174	PLUG	16730	ROBBINS CT	120	8	VC	17.2	11	E09S	1
	174	170	16775	ROBBINS ST	172	8	VC	17.2	0.9	E09S	1
	170	171	16774	ROBBINS ST	177	8	VC	14.5	6.8	E09S	1

**PIPELINE REHABILITATION AF-1
MAINLINE REHABILITATION SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	LENGTH (FT)	EXISTING SIZE (IN)	EXISTING PIPE MATERIAL	d/D	SLOPE %	FIELD BOOK	C.D.
28	171	PLUG	16773	GULLSTRAND ST	38	8	VC	10.2	7.2	E09S	1
	169	114	16729	GULLSTRAND ST	106	8	VC	15.5	14.5	E09S	1
	170	169	16772	GULLSTRAND ST	204	8	VC	15	0.4	E09S	1
	173	174	16776	ROBBINS ST	176	8	VC	17.4	0.5	E09S	1
29	111	PLUG	16725	GULLSTRAND ST	195	8	VC	10.3	9.9	E09S	1
	113	111	16726	GULLSTRAND ST	126	8	VC	11.4	10.8	E09S	1
	114	113	16728	GULLSTRAND ST	180	8	VC	11.3	10.7	E09S	1

Total 44352

APPENDIX H
REHABILITATION MANHOLE SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
REHABILITATION MANHOLE SCOPE OF WORK**

SHEET NO.	FSN	FACILITY TYPE	MANHOLE ID #	STREET NAME	EXISTING SIZE (FT)	EXISTING PIPE MATERIAL	EXISTING MANHOLE DEPTH (FT)	PROPOSED WORK	FIELD BOOK	REMARKS
1	70066	MH	78	EASEMENT	3x4	CONCRETE	15	REHAB	B02S	
	70089	MH	103	VIA ESPERIA	3x4	CONCRETE	9	REHAB	B02S	
2	74442	MH	170	CAROUSEL LANE	3x4	CONCRETE	13	REHAB	C01S	
	74441	MH	169	CAROUSEL LANE	3x4	CONCRETE	10	REHAB	C01S	
	74684	MH	1	SHALIMAR PL	3x4	CONCRETE	9	REHAB	C02S	
	74449	MH	177	SHALIMAR PL	3x4	CONCRETE	8	REHAB	C01S	
3	74426	MH	154	BARBADOS WY	3x4	CONCRETE	9	REHAB	C02S	
4	69878	MH	93	CALAIS DR	3x4	CONCRETE	8	REHAB	B01S	
	74425	MH	153	BOCA RATON ST	3x4	CONCRETE	13	REHAB	C01S	
5	69874	MH	89	EASEMENT	3x4	CONCRETE	0	REHAB	B01S	IE=347.62
	69898	MH	114	MANGO DR	3x4	CONCRETE	8	REHAB	B01S	
	69881	MH	96	CALAIS DR	3x4	CONCRETE	9	REHAB	B01S	
	69887	MH	103	CALAIS DR	3x4	CONCRETE	8	REHAB	B01S	
	69888	MH	104	CALAIS DR	3x4	CONCRETE	9	REHAB	B01S	
	69889	MH	105	CALAIS DR	3x4	CONCRETE	8	REHAB	B01S	
6	69884	MH	99	MANGO DR	3x4	CONCRETE	8	REHAB	B01S	
6	69894	MH	110	MANGO DR	3x4	CONCRETE	15	REHAB	B01S	
7	69901	MH	117	MIRA MONTANA DR	3x4	CONCRETE	15	REHAB	B01S	
	69902	MH	118	CORDERO RD	3x4	CONCRETE	13	REHAB	B01S	
	69906	MH	122	BOQUITA DR	3x4	CONCRETE	14	REHAB	B01S	
	69908	MH	124	CORDERO RD	3x4	CONCRETE	7	REHAB	B01S	
8	84597	MH	99	AGEE ST	3x4	CONCRETE	6	REHAB	E10S	
10	84648	MH	151	COZZENS ST	3x4	CONCRETE	8	REHAB	E10S	
11 13	84470	MH	292	COZZENS ST	3x4	CONCRETE	7	REHAB	E09S	
	84648	MH	151	COZZENS ST	3x4	CONCRETE	8	REHAB	E10S	
	84638	MH	141	DIRAC ST	3x4	CONCRETE	8	REHAB	E10S	
14	84629	MH	132	ERLANGER ST	3x4	CONCRETE	8	REHAB	E10S	
	84635	MH	138	ERLANGER ST	3x4	CONCRETE	8	REHAB	E10S	
	84632	MH	135	ERLANGER ST	3x4	CONCRETE	6	REHAB	E10S	
15	84652	MH	155	ERLANGER ST	3x4	CONCRETE	6	REHAB	E10S	
	84654	MH	157	ERLANGER ST	3x4	CONCRETE	6	REHAB	E10S	
19	84657	MH	160	KANTOR ST	3x4	CONCRETE	6	REHAB	E10S	
	84663	MH	168	GULLSTRAND ST	3x4	CONCRETE	9	REHAB	E10S	
	84665	MH	170	KANTOR ST	3x4	CONCRETE	13	REHAB	E10S	
21	84401	MH	211	GULLSTRAND ST	3x4	CONCRETE	5	REHAB	E09S	
	84651	MH	154	GULLSTRAND ST	3x4	CONCRETE	6	REHAB	E10S	
25	84322	MH	127	MURPHY AV	3x4	CONCRETE	6	REHAB	E09S	
26	84297	MH	101	HAWORTH ST	3x4	CONCRETE	4	REHAB	E09S	
27	84299	MH	103	PAULING AV	3x4	CONCRETE	12	REHAB	E09S	
TOTAL					39					

APPENDIX I

REPLACE-IN-PLACE MANHOLE SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
REPLACE-IN-PLACE MANHOLE SCOPE OF WORK**

SHEET NO.	FSN	FACILITY TYPE	MANHOLE ID #	STREET NAME	EXISTING MANHOLE DEPTH (FT)	PROPOSED WORK	FIELD BOOK	REMARKS
4	69925	MH	142	BOCA RATON ST	7	REPLACED	B01S	1
8	84598	MH	100	AGEE ST	6	REPLACED	E10S	2
10	84645	MH	148	KARENSUE AV	8	REPLACED	E10S	3
	84643	MH	146	COZZENS ST	7	REPLACED	E10S	4
11	84468	MH	290	CHARAE ST	6	REPLACED	E09S	5
	84649	MH	152	COZZENS ST	8	REPLACED	E10S	6
14	84626	MH	129	ERLANGER ST	11	REPLACED	E10S	7
19	84661	MH	166	KANTOR ST	7	REPLACED	E10S	8
TOTAL							8	

APPENDIX J

REHABILITATION LATERAL SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
1	78	8	1758	MAIN	EASEMENT	189	13	0.7	B02S	1
	78	PLUG	1831	MAIN	EASEMENT	55	3	9.1	B02S	1
	80	78	1832	MAIN	EASEMENT	223	10	3.7	B02S	1
	105	103	1849	MAIN	VIA ESPERIA	209	2		B02S	1
	106	105	1850	MAIN	VIA ESPERIA	256	7		B02S	1
	107	106	1851	MAIN	VIA ESPERIA	257	8		B02S	1
	108	107	1852	MAIN	VIA ESPERIA	252	6		B02S	1
2	169	170	6411	MAIN	MANGO DR	318	3	0.5	B01S	1
	1	PLUG	6660	MAIN	SHALIMAR PL	120	4	7.2	C01S	1
	1	PLUG	6661	MAIN	SHALIMAR CV	170	4	7	C01S	1
	2	1	6662	MAIN	SHALIMAR PL	228	4	5.6	C01S	1
	3	2	6664	MAIN	LONG BOAT WY	165	2	6.8	C01S	1
	8	3	6665	MAIN	LONG BOAT WY	127	0	5.2	C01S	1
	174	PLUG	6412	MAIN	SHALIMAR PL	200	7	2.8	C01S	1
	175	174	6413	MAIN	SHALIMAR PL	289	8	3	C01S	1
	176	175	6414	MAIN	SHALIMAR PL	48	2	4	C01S	1
	177	176	6415	MAIN	MANGO DR	260	6	7	C01S	1
3	140	PLUG	1678	MAIN	BARBADOS WY	200	6	0.6	B01S	1
	154	153	6397	MAIN	BARBADOS WY	352	13	7.4	C01S	1
	155	154	6398	MAIN	BARBADOS WY	43	1	1	C01S	1
	161	155	6399	MAIN	MANGO DR	257	4	7	C01S	1
	137	PLUG	1677	MAIN	MANGO DR	102	4	11.5	B01S	1
	156	137	1676	MAIN	MANGO DR	294	9	11.5	B01S	1
	157	156	6409	MAIN	MANGO DR	121	1	11.5	B01S	1
	157	169	6410	MAIN	MANGO DR	331	3	6.8	C01S	1
	158	157	6408	MAIN	MANGO DR	303	8	10.6	C01S	1
	159	158	6407	MAIN	MANGO DR	120	1	5.7	C01S	1
4	97	98	1643	MAIN	MANGO DR	342	11	0.4	B01S	1
	141	97	1642	MAIN	MANGO DR	350	11	0.6	B01S	1
	140	141	1680	MAIN	CALAIS DR	259	7	2.6	B01S	1
	93	PLUG	1640	MAIN	CALAIS DR	200	8	0.6	B01S	1
	143	93	1641	MAIN	CALAIS DR	350	11	1.4	B01S	1
	142	143	1682	MAIN	BOCA RATON ST	249	8	2.3	B01S	1
	140	142	1681	MAIN	BOCA RATON ST	328	3	10.6	B01S	1
	153	140	1679	MAIN	BARBADOS WY	339	0	10.5	B01S	1
	152	PLUG	6261	MAIN	BARBADOS WY	200	10	0.6	C01S	1
	153	152	6396	MAIN	MANGO DR	313	9	2.3	C01S	1
	112	111	1653	MAIN	MANGO DR	350	5	3	B01S	1
	113	112	1654	MAIN	MANGO DR	125	1	8	B01S	1

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
5	114	113	1655	MAIN	MANGO DR	61	1	5.5	B01S	1
	101	114	1656	MAIN	MANGO DR	163	3	6	B01S	1
	99	PLUG	1645	MAIN	MANGO DR	180	5	5	B01S	1
	98	99	1644	MAIN	EASEMENT	178	6	4	B01S	1
	88	89	1636	MAIN	CALAIS DR	312	3	2.3	B01S	1
	96	PLUG	1639	MAIN	CALAIS DR	195	6	2.5	B01S	1
	101	96	1638	MAIN	CALAIS DR	266	5	3	B01S	1
	103	101	1646	MAIN	CALAIS DR	298	5	6.6	B01S	1
	104	103	1647	MAIN	CALAIS DR	132	3	8	B01S	1
	105	104	1648	MAIN	CALAIS DR	211	6	8	B01S	1
6	1	105	6246	MAIN	CALAIS DR	118	2	7.6	B01S	1
	110	PLUG	1461	MAIN	MANGO DR	200	1	0.7	B01S	1
7	111	110	1652	MAIN	MANGO DR	300	3	0.7	B01S	1
	119	PLUG	1662	MAIN	MIRA MONTANA DR	200	6	0.6	B01S	1
	118	119	1661	MAIN	MIRA MONTANA DR	145	5	2.2	B01S	1
	118	117	1659	MAIN	MIRA MONTANA DR	340	8	0.4	B01S	1
	117	PLUG	1626	MAIN	MIRA MONTANA DR	200	6	0.4	B01S	1
	122	PLUG	1663	MAIN	BOQUITA DR	200	4	1.4	B01S	1
	123	122	1664	MAIN	BOQUITA DR	262	6	3.9	B01S	1
	123	125	1666	MAIN	BOQUITA DR	270	7	0.4	B01S	1
	125	85	1625	MAIN	BOQUITA DR	265	10	0.4	B01S	1
	124	118	1660	MAIN	CORDERO	220	0	0.5	B01S	1
8	123	124	1665	MAIN	CORDERO	125	0	16.9	B01S	1
	66	123	1667	MAIN	CORDERO	275	2	1.5	B01S	1
	67	66	1614	MAIN	CORDERO	73	0	18.8	B01S	1
	94	276	17000	MAIN	TAMILYN ST.	201	4	6.4	E10S	1
	93	94	17001	MAIN	TAMILYN ST.	288	10	8.7	E10S	1
	92	93	17002	MAIN	TAMILYN ST.	130	3	7.6	E10S	1
	91	92	17005	MAIN	TAMILYN ST.	145	6	4	E10S	1
	339	PLUG	17009	MAIN	ZENAKO ST	219	5	6.6	E10S	1
	339	96	17008	MAIN	ZENAKO CT	90	3	2	E10S	1
	98	339	17007	MAIN	ZENAKO ST	252	7	6.6	E10S	1
8	91	98	17006	MAIN	ZENAKO ST	162	4	2.4	E10S	1
	85	91	17016	MAIN	EASEMENT	117	0	0.6	E10S	1
	84	85	17017	MAIN	EASEMENT	80	0	11.6	E10S	1
	102	84	17018	MAIN	COZZENS ST	122	1	4.1	E10S	1
	281	PLUG	16877	MAIN	ZENAKO ST	165	2	2.5	E09S	1
	99	281	17010	MAIN	AGEE ST	350	9	5.8	E09S	1
	100	99	17011	MAIN	AGEE ST	199	6	5.8	E09S	1
	102	100	17015	MAIN	AGEE ST	289	5	5.7	E09S	1

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
9	277	278	16867	MAIN	TAMILYN CT.	137	3	2.1	E09S	1
	276	277	16866	MAIN	TAMILYN CT.	91	1	1.5	E09S	1
	274	273	16871	MAIN	RAYA WY	190	5	2.4	E10S	1
	275	274	16870	MAIN	TAMILYN ST.	237	7	3.4	E10S	1
	276	275	16869	MAIN	TAMILYN ST.	229	5	6.8	E10S	1
	283	272	16872	MAIN	RAYA WY	345	10	6	E09S	1
10	145	146	17064	MAIN	COZZENS ST	307	8	8.6	E09S	1
	144	145	17063	MAIN	COZZENS ST	120	4	5.4	E09S	1
	105	144	17022	MAIN	COZZENS ST	148	4	4.4	E10S	1
	107	105	17023	MAIN	COZZENS ST	142	0	3.5	E10S	1
	103	102	17019	MAIN	COZZENS ST	39	2	19.3	E10S	1
	104	103	17020	MAIN	COZZENS ST	250	8	3.2	E10S	1
	105	104	17021	MAIN	COZZENS ST	143	3	3.5	E10S	1
	123	124	17041	MAIN	DIRAC ST	125	2	1.2	E10S	1
	122	123	17040	MAIN	EASEMENT	80	0	28.2	E10S	1
	121	122	17039	MAIN	EASEMENT	62	0	54.8	E10S	1
	120	121	17038	MAIN	EASEMENT	53	0	5.1	E10S	1
	107	120	17037	MAIN	COZZENS CT	99	3	4.8	E10S	1
	149	150	17069	MAIN	KARENSUE LN	93	4	3.3	E10S	1
	148	149	17210	MAIN	KARENSUE AV	73	1	2	E10S	1
	147	148	17012	MAIN	KARENSUE AV	152	5	2	E10S	1
	101	147	17013	MAIN	KARENSUE AV	123	4	2	E10S	1
11	100	101	17014	MAIN	KARENSUE AV	178	2	2	E10S	1
	288	287	16881	MAIN	CHARAE ST	261	8	4.1	E09S	1
	289	288	16880	MAIN	CHARAE ST	350	12	4.7	E09S	1
	290	289	16879	MAIN	CHARAE ST	45	2	4.3	E09S	1
	281	290	16878	MAIN	CHARAE ST	240	0	3.3	E09S	1
	294	295	16884	MAIN	COZZENS ST	173	6	1.7	E09S	1
	293	294	16885	MAIN	COZZENS ST	105	2	6.8	E09S	1
	292	293	16886	MAIN	COZZENS ST	338	9	8.2	E09S	1
	152	292	17068	MAIN	COZZENS ST	267	7	8.3	E09S	1
	152	153	17067	MAIN	VALOMA PL	119	0	3.2	E09S	1
	151	152	17066	MAIN	COZZENS ST	231	5	9	E09S	1
	283	284	16874	MAIN	AGEE ST	153	2	4.5	E09S	1
	282	283	16875	MAIN	AGEE ST	230	4	5.8	E09S	1
	281	282	16876	MAIN	AGEE ST	230	8	6.3	E09S	1
	287	286	16882	MAIN	CHARAE ST	250	7	4.1	E09S	1
	298	328	16910	MAIN	COZZENS ST	280	2	0.4	E09S	1
	338	PLUG	16911	MAIN	PAVLOV AV	200	7	2	E09S	1
	337	338	16912	MAIN	PAVLOV AV	286	7	0.6	E09S	1

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
12	285	337	16913	MAIN	AGEE ST	353	3	2.1	E09S	1
	284	285	16873	MAIN	AGEE ST	206	5	4.9	E09S	1
13	141	301	17059	MAIN	DIRAC ST	350	9	5.6	E10S	1
	142	141	17060	MAIN	DIRAC ST	345	10	2	E10S	1
	143	142	17061	MAIN	DIRAC ST	350	10	5.5	E10S	1
	124	143	17062	MAIN	DIRAC ST	146	4	6.5	E10S	1
14	137	PLUG	17054	MAIN	FERBER ST	200	4	1	E10S	1
	138	137	17053	MAIN	FERBER ST	280	6	3	E10S	1
	129	138	17052	MAIN	FERBER ST	175	2	5	E10S	1
	129	PLUG	17050	MAIN	FERBER ST	110	2	0.4	E10S	1
	126	129	17051	MAIN	FERBER ST	134	0	3.7	E10S	1
	126	PLUG	17042	MAIN	EASEMENT	135	4	1.6	E10S	1
	127	126	17043	MAIN	EASEMENT	240	2	2.7	E10S	1
	128	127	17044	MAIN	EASEMENT	240	2	2.7	E10S	1
	134	135	17055	MAIN	ERLANGER ST	350	4	4.7	E10S	1
	133	134	17048	MAIN	ERLANGER ST	128	3	3.2	E10S	1
	132	133	17049	MAIN	ERLANGER ST	130	3	0.6	E10S	1
	132	PLUG	17047	MAIN	ERLANGER ST	30	2	5	E10S	1
	179	132	17046	MAIN	ERLANGER ST	276	1	6	E10S	1
15	155	PLUG	17058	MAIN	EASEMENT	200	8	1	E10S	1
	157	156	17074	MAIN	ERLANGER ST	165	2	4.6	E09S	1
	156	155	17073	MAIN	ERLANGER ST	196	3	4.7	E09S	1
	155	201	17072	MAIN	ERLANGER ST	239	2	4.7	E09S	1
	201	PLUG	16802	MAIN	ERLANGER ST	53	1	4.7	E09S	1
	201	PLUG	16891	MAIN	EASEMENT	180	1	1	e09s	1
	157	139	17057	MAIN	EASEMENT	250	8	1	E10S	1
	135	157	17056	MAIN	ERLANGER ST	207	4	4.7	E10S	1
16	300	PLUG	16888	MAIN	BROMFIELD AV	190	7	2	E09S	1
	302	300	16889	MAIN	BROMFIELD AV	350	9	2.6	E09S	1
17	198	PLUG	16801	MAIN	PAVLOV AV	180	4	2.2	E09S	1
	304	198	16800	MAIN	PAVLOV AV	314	7	2.2	E09S	1
	305	304	16892	MAIN	PAVLOV AV	327	9	1.9	E09S	1
18	181	176	17095	MAIN	EASEMENT	43	0	2.2	E10S	1
	176	175	17096	MAIN	EASEMENT	52	0	50.5	E10S	1
	175	184	17097	MAIN	EASEMENT	121	0	8.9	E10S	1
	184	174	17098	MAIN	EASEMENT	121	0	15.3	E10S	1
	174	173	17090	MAIN	EASEMENT	173	0	2	E10S	1
	173	172	17089	MAIN	KANTOR CT	87	2	1.8	E10S	1
	172	171	17088	MAIN	KANTOR CT	95	2	5	E10S	1
171	165	17087	MAIN	KANTOR ST	246	1	0.9	E10S	1	

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
19	165	170	17082	MAIN	KANTOR ST	233	4	1.3	E10S	1
	170	169	17086	MAIN	KANTOR ST	283	5	0.4	E10S	1
	169	370	17085	MAIN	GULLSTRAND ST	250	3	5.6	E10S	1
	369	168	5646061	MAIN	GULLSTRAND ST	119	3	UNK	E10S	1
	166	162	17080	MAIN	KANTOR ST	270	2	5.3	E10S	1
	162	161	17079	MAIN	KANTOR ST	156	2	5.2	E10S	1
	161	160	17078	MAIN	KANTOR ST	268	8	5	E10S	1
	160	159	17077	MAIN	KANTOR ST	130	1	5	E10S	1
	168	167	17084	MAIN	GULLSTRAND ST	350	10	4.5	E10S	1
20	159	158	17076	MAIN	KANTOR ST	185	1	4.5	E10S	1
	158	207	17075	MAIN	KANTOR ST	134	1	4.3	E10S	1
	207	206	16803	MAIN	KANTOR ST	98	0	2	E09S	1
	206	205	16806	MAIN	KANTOR ST	203	0	2	E09S	1
	205	204	16807	MAIN	KANTOR ST	176	1	4.5	E09S	1
21	167	154	17083	MAIN	GULLSTRAND ST	350	7	5.3	E10S	1
	154	213	16815	MAIN	GULLSTRAND ST	212	4	5	E09S	1
	213	211	16814	MAIN	GULLSTRAND ST	59	2	5	E09S	1
	211	210	16812	MAIN	GULLSTRAND ST	155	0	5	E09S	1
22	209	189	16809	MAIN	GULLSTRAND ST	340	5	2	E09S	1
	189	187	16791	MAIN	GULLSTRAND ST	116	0	0.4	E09S	1
	187	190	16792	MAIN	GOVERNOR DR	339	4	0.4	E09S	1
	190	186	16793	MAIN	PANEL CT	244	7	0.4	E09S	1
	186	PLUG	16787	MAIN	PANEL CT	148	8	0.4	E09S	1
23	321	320	16904	MAIN	ROBBINS ST	186	6	3.6	E09S	1
	319	PLUG	16906	MAIN	ROBBINS WY	190	7	7.6	E09S	1
	321	319	16905	MAIN	ROBBINS WY	196	2	7.7	E09S	1
	44	321	16654	MAIN	ROBBINS ST	350	12	0.4	E09S	1
	43	44	16653	MAIN	ROBBINS ST	346	12	0.4	E09S	1
	42	43	16651	MAIN	ROBBINS ST	264	3	1.8	E09S	1
24	176	173	16777	MAIN	ROBBINS ST	350	13	1.4	E09S	1
	177	176	16778	MAIN	ROBBINS ST	350	12	1.8	E09S	1
	320	177	16779	MAIN	ROBBINS ST	350	13	1.1	E09S	1
25	127	PLUG	16719	MAIN	FLOREY ST	120	4	0.6	E09S	1
	128	127	16718	MAIN	MURPHY AV	320	12	0.6	E09S	1
	45	128	16711	MAIN	MURPHY AV	320	11	0.6	E09S	1
	123	PLUG	16721	MAIN	FLOREY ST	150	3	0.4	E09S	1
	122	123	16717	MAIN	FINSEN AV	350	12	0.6	E09S	1
	121	122	16712	MAIN	FINSEN AV	210	6	7.1	E09S	1
	101	121	16710	MAIN	FINSEN AV	103	2	0.6	E09S	1
	102	101	16709	MAIN	HAWORTH ST	247	4	0.4	E09S	1

**PIPELINE REHABILITATION AF-1
REHABILITATION LATERAL SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	FACILITY TYPE	STREET NAME	LENGTH (FT)	QTY. OF LATERAL CONNECTI ONS	SLOPE %	FIELD BOOK	C.D.
26	119	PLUG	16716	MAIN	RAMSAY AV	200	8	0.6	E09S	1
	120	119	16713	MAIN	RAMSAY AV	350	12	0.8	E09S	1
	102	120	16708	MAIN	RAMSAY AV	89	2	0.8	E09S	1
27	105	PLUG	16722	MAIN	FLOREY ST	160	4	1.5	E09S	1
	105	PLUG	16723	MAIN	FLOREY ST	180	4	0.4	E09S	1
	104	105	16715	MAIN	PAULING AV	350	10	0.4	E09S	1
	103	104	16714	MAIN	PAULING AV	204	8	0.4	E09S	1
	96	103	16706	MAIN	PAULING AV	72	2	18.8	E09S	1
28	174	PLUG	16730	MAIN	ROBBINS CT	120	7	11	E09S	1
	174	170	16775	MAIN	ROBBINS ST	172	2	0.9	E09S	1
	170	171	16774	MAIN	ROBBINS ST	177	1	6.8	E09S	1
	171	PLUG	16773	MAIN	GULLSTRAND ST	38	1	7.2	E09S	1
	169	114	16729	MAIN	GULLSTRAND ST	106	1	14.5	E09S	1
	170	169	16772	MAIN	GULLSTRAND ST	204	1	0.4	E09S	1
	173	174	16776	MAIN	ROBBINS ST	176	4	0.5	E09S	1
29	111	PLUG	16725	MAIN	GULLSTRAND ST	195	3	9.9	E09S	1
	113	111	16726	MAIN	GULLSTRAND ST	126	2	10.8	E09S	1
	114	113	16728	MAIN	GULLSTRAND ST	180	3	10.7	E09S	1
TOTAL					LATERALS		993			

APPENDIX K
POINT-REPAIR SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
POINT REPAIR SCOPE OF WORK**

SHEET NO.	FROM DS MH ID #	TO US MH ID #	FSN	STREET NAME	FIELD BOOK	C.D.	REMARKS
5	89	88	1636	EASEMENT	B01S	1	Hand dig only. NO heavy equipment allowed SEPARATED JOINT @121' BREAK CONNECTION @122' BREAK CONNECTION @236'
7	PLUG	122	1663	BOQUITA DR	B01S	1	CRACKED JOINT @ 65'
14	134	133	17048	ERLANGER ST	E10S	1	DISPLACED JOINTS @ 125'
15	PLUG	155	17058	EASEMENT	E10S	1	LARGE HOLE @ 11'
26	123	122	16717	FINSEN AV	E09S	1	BROKEN JOINT @ 335'

APPENDIX L

NEW CLEANOUT SCOPE OF WORK

**PIPELINE REHABILITATION AF-1
CLEANOUT SCOPE OF WORK**

SHEET NO.	FSN	FACILITY TYPE	PLUG ID #	STREET NAME	EXISTING PLUG DEPTH (FT)	PROPOSED WORK	FIELD BOOK	REMARKS
1	70064	PLUG	76	EASEMENT	14	NEW	B02S	
2	74443	PLUG	612	SHALIMAR PL	8	NEW	C01S	
	74444	PLUG	613	SHALIMAR PL	8	NEW	C01S	
	74445	PLUG	614	SHALIMAR PL	8	NEW	C01S	
3	69922	PLUG	148	MANGO DR	9	NEW	B01S	
	69921	PLUG	147	MANGO DR	8	NEW	B01S	
4	69879	PLUG	138	CALAIS DR	8	NEW	B01S	
	74297	PLUG	605	BARBADOS WY	7	NEW	C01S	
5	69880	PLUG	139	CALAIS DR	7	NEW	B01S	
	69885	PLUG	140	MANGO DR	8	NEW	B01S	
6	69708	PLUG	112	MANGO DR	9	NEW	B01N	
7	69905	PLUG	143	BOQUITA DR	14	NEW	B01S	
	69904	PLUG	142	MIRA MONTANA DR	9	NEW	B01S	
	69870	PLUG	136	BOQUITA DR	0	NEW	B01S	
	69872	PLUG	137	MIRA MONTANA DR	12	NEW	B01S	
8	84594	PLUG	1725	ZENAKO ST	7	NEW	E10S	
	84595	PLUG	1726	ZENAKO CT	8	NEW	E10S	
	84458	PLUG	1698	ZENAKO ST	6	NEW	E09S	
12	84475	PLUG	1700	PAVLOV AV	5	NEW	E09S	
14	84627	PLUG	1728	ERLANGER ST	7	NEW	E10S	
	84628	PLUG	1729	ERLANGER ST	6	NEW	E10S	
	84633	PLUG	1730	FERBER ST	8	NEW	E10S	
	84675	PLUG	1732	FERBER ST	5	NEW	E10S	
	84622	PLUG	1727	EASEMENT	5	NEW	E10S	
15	84637	PLUG	1731	EASEMENT	7	NEW	E10S	
	84481	PLUG	1702	EASEMENT	6	NEW	E09S	
	84393	PLUG	1685	ERLANGER ST	6	NEW	E09S	
16	84477	PLUG	1701	BROMFIELD AV	6	NEW	E09S	
17	84392	PLUG	1684	PAVLOV AV	6	NEW	E09S	
22	84378	PLUG	1681	PANEL CT	5	NEW	E09S	
23	84496	PLUG	1704	ROBBINS WY	5	NEW	E09S	
25	84321	PLUG	1675	FLOREY ST	5	NEW	E09S	
26	84314	PLUG	1673	FLOREY ST	4	NEW	E09S	
	84313	PLUG	1672	FLOREY ST	6	NEW	E09S	
27	84312	PLUG	1671	FLOREY ST	4	NEW	E09S	
27	84302	PLUG	1668	FLOREY ST	5	NEW	E09S	
28	84311	PLUG	1670	ROBBINS CT	7	NEW	E09S	
	84366	PLUG	1678	GULLSTRAND ST	8	NEW	E09S	
29	84306	PLUG	1669	GULLSTRAND ST	0	NEW	E09S	

TOTAL NUMBER OF NEW CLEANOUTS = 39 EA

APPENDIX M
STORM DRAIN INLET PROTECTION PLAN

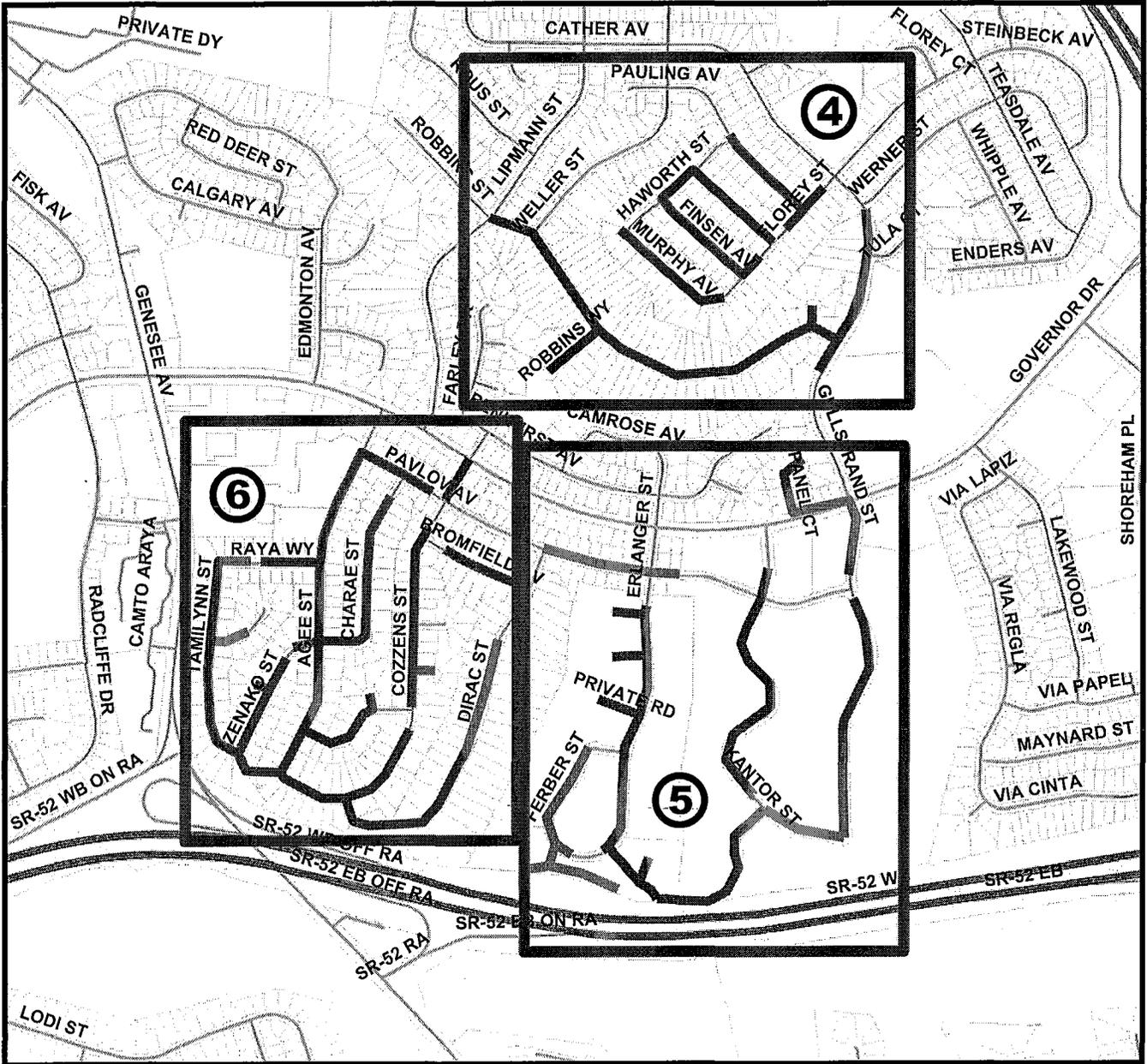
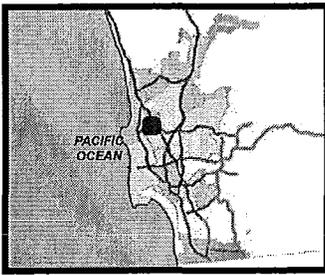
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

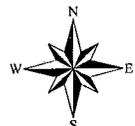
CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

-  SEWER MAIN TO BE REHAB
-  SHEET NO.

WATER POLLUTION PLAN KEY MAP



No Scale

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

Date: July 10, 2015

COMMUNITY NAME: UNIVERSITY,
TORREY PINES



COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 1 OF 2

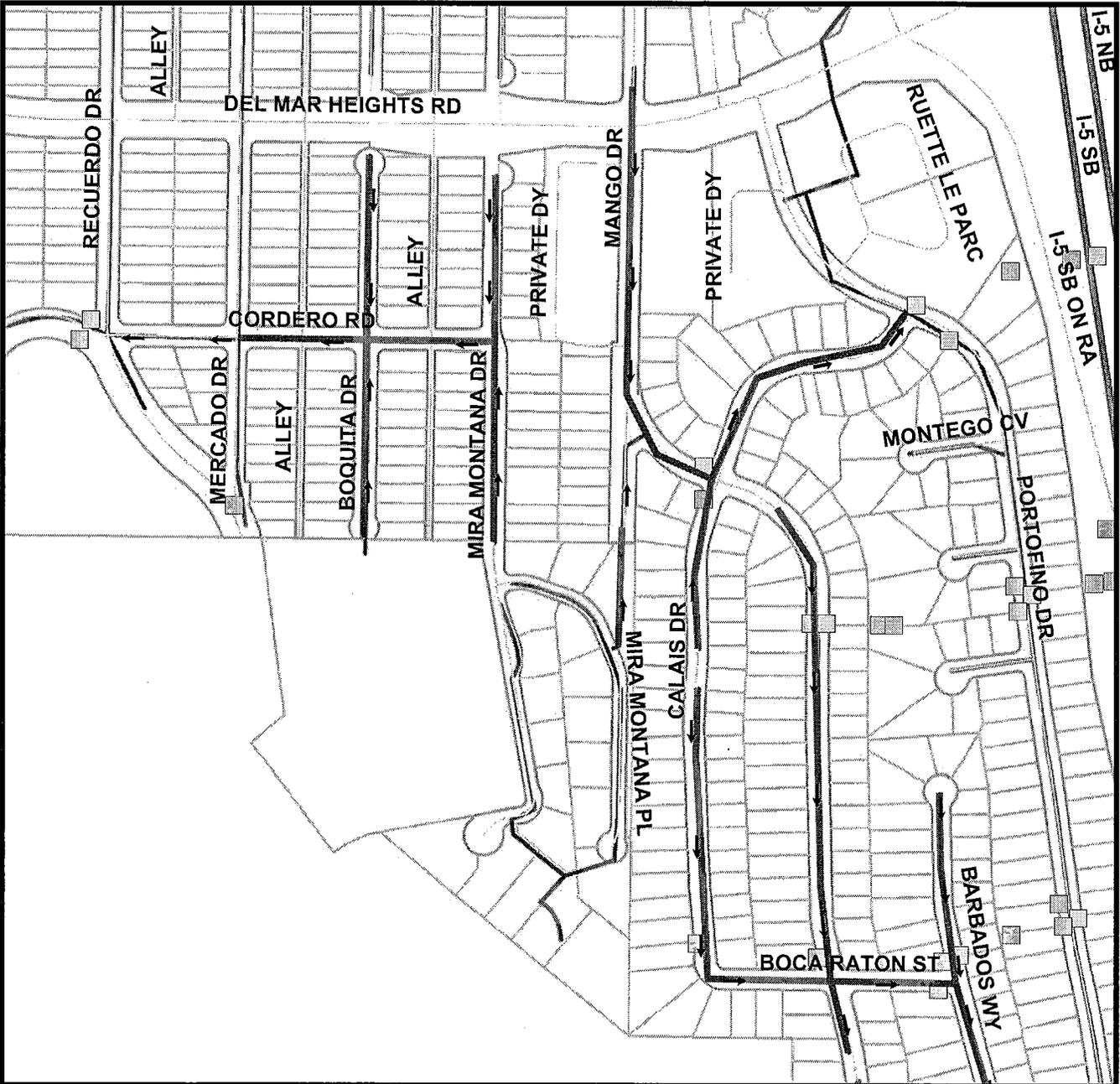
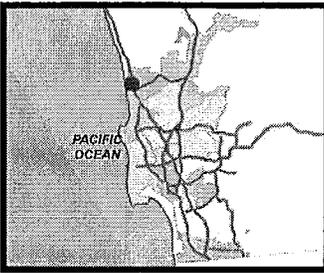
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- Prop Sewer Rehab
- Mains
- Surface Flow Direction
- Storm Drain Inlet

WATER POLLUTION PLAN



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

Date: June 30, 2015



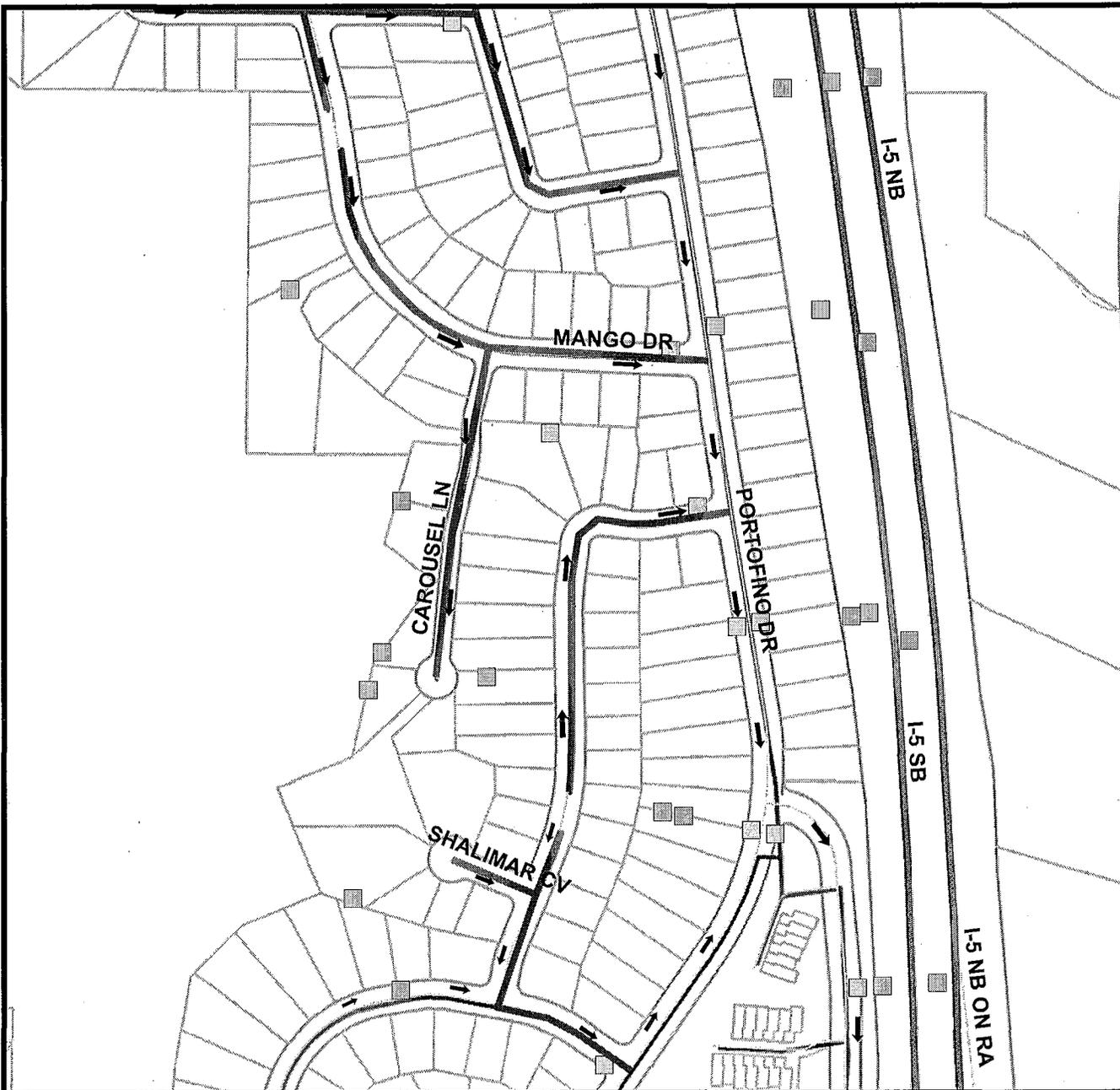
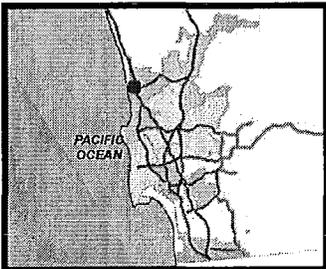
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- Prop Sewer Rehab
- Mains
- Surface Flow Direction
- Storm Drain Inlet

WATER POLLUTION PLAN



No Scale

Date: June 30, 2015

COMMUNITY NAME: UNIVERSITY,
TORREY PINES

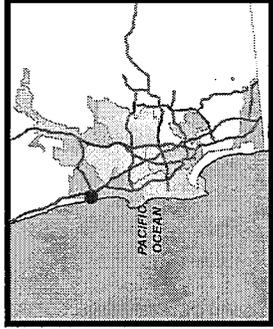


COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 2 OF 6
142 | Page

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



SEWER REHABILITATION AF-1

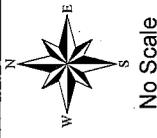


SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLER

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



WATER POLLUTION PLAN

- Legend**
- Prop Sewer Rehab
 - Mains
 - Surface Flow Direction
 - Storm Drain Inlet

COMMUNITY NAME: UNIVERSITY,
TORREY PINES
e-Bidding Pipeline Rehabilitation AF-1
Appendix M – Storm Drain Inlet Protection Plan (Rev. July 2015)



COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 3 OF 6
143 | Page

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

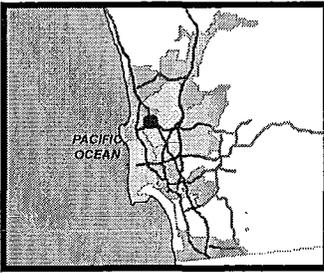
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- Prop Sewer Rehab
- Mains
- Surface Flow Direction
- Storm Drain Inlet

WATER POLLUTION PLAN



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

Date: June 30, 2015

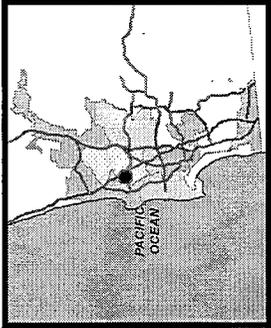
COMMUNITY NAME: UNIVERSITY, TORREY PINES



COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 4 OF 6
144 | Page



SEWER REHABILITATION AF-1

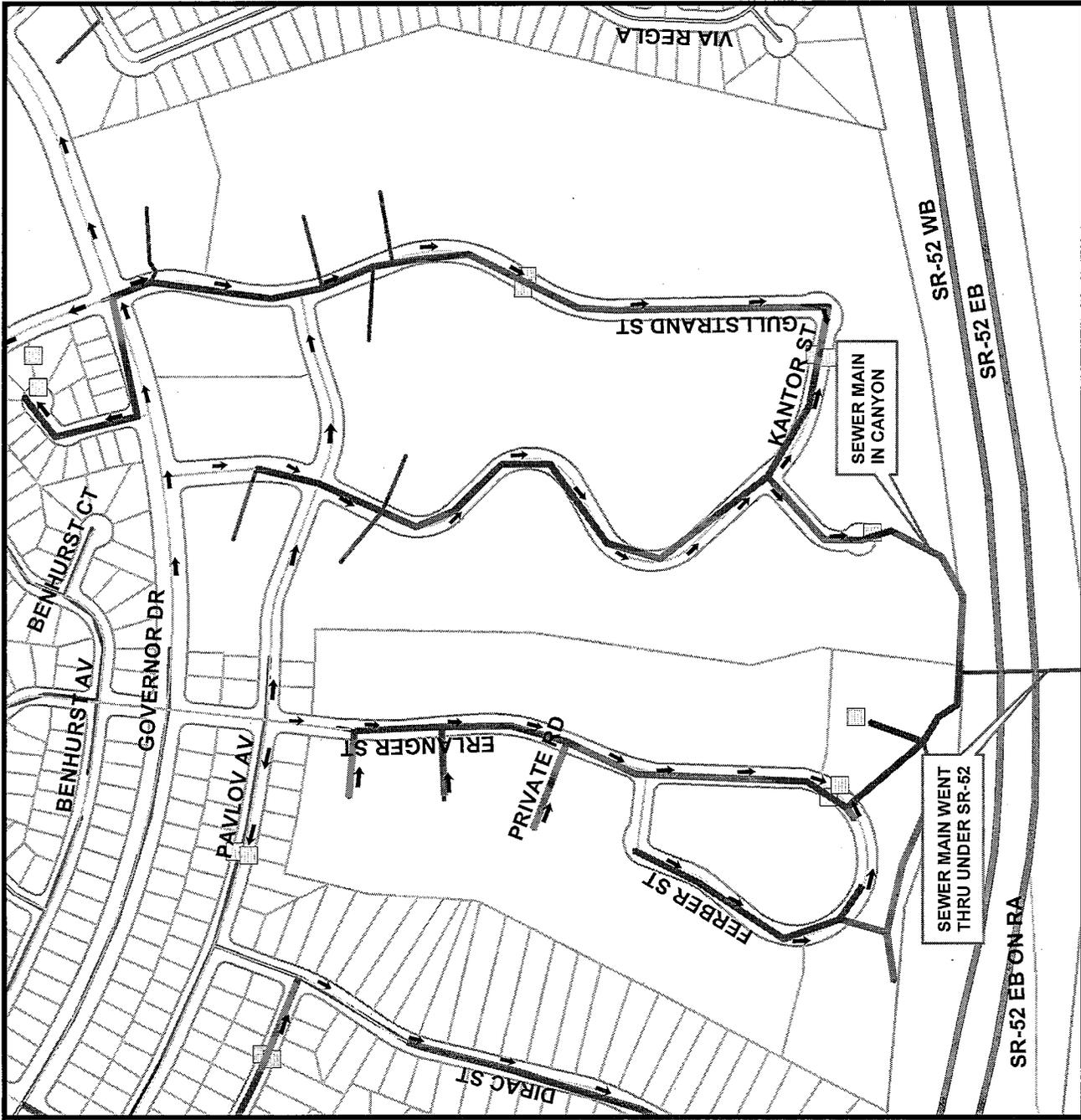


SENIOR ENGINEER
WENDY GAMBOA

PROJECT ENGINEER
JING DEBELISO

PROJECT MANAGER
DANIEL TITTLE

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



WATER POLLUTION PLAN

- Legend**
- Prop Sewer Rehab
 - Storm Drain Inlet
 - Mains
 - Surface Flow Direction

COMMUNITY NAME: UNIVERSITY,
TORREY PINES
e-Bidding Pipeline Rehabilitation AF-1
Appendix M – Storm Drain Inlet Protection Plan (Rev. July 2015)

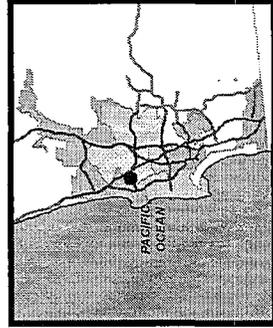


COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 5 OF 6
145 | Page

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



SEWER REHABILITATION AF-1

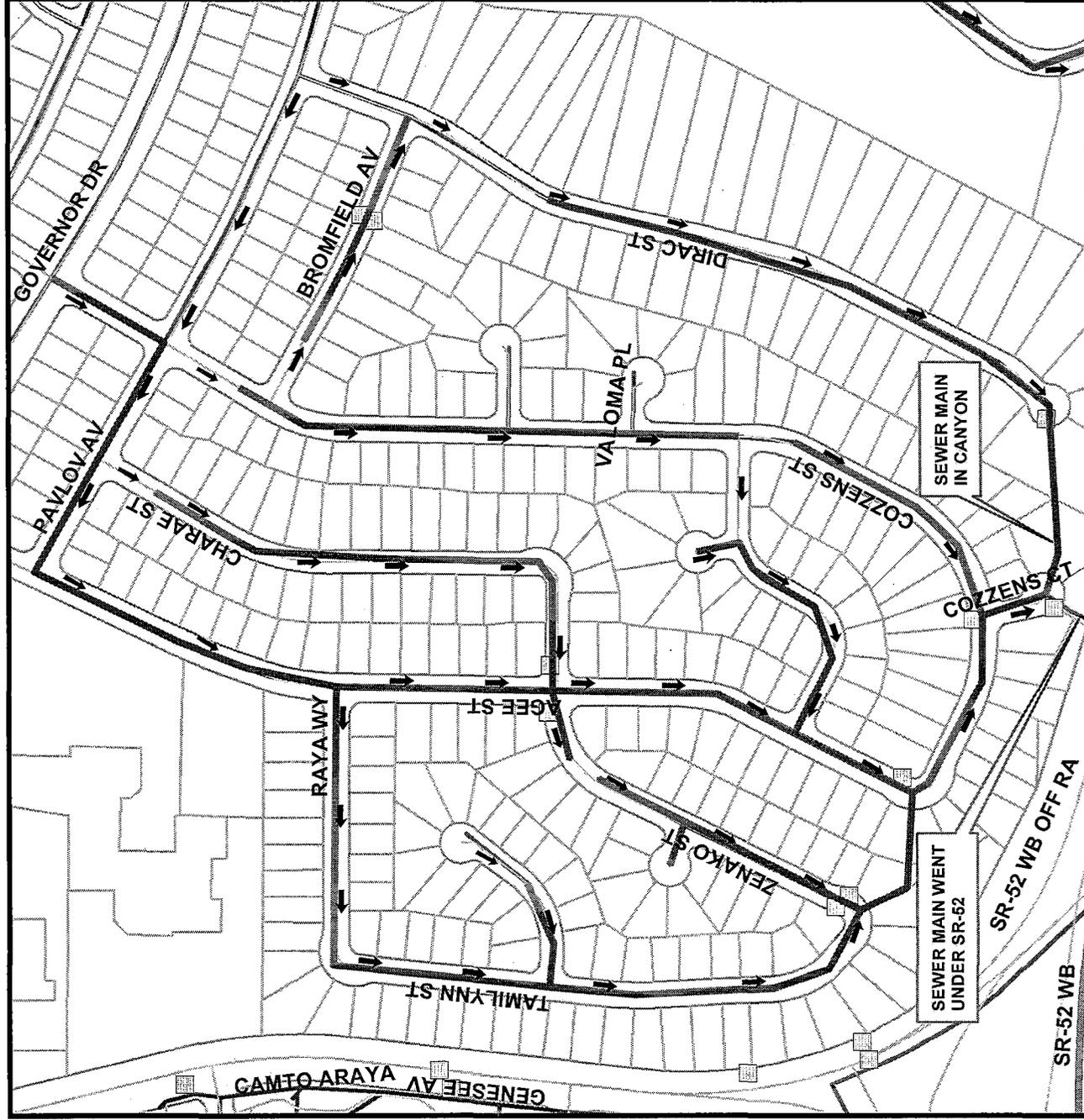


SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

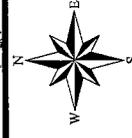
CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- Prop Sewer Rehab
- Mains
- Surface Flow Direction
- Storm Drain Inlet

WATER POLLUTION PLAN



No Scale



COMMUNITY NAME: UNIVERSITY,
TORREY PINES
e-Bidding Pipeline Rehabilitation AF-1
Appendix M – Storm Drain Inlet Protection Plan (Rev. July 2015)

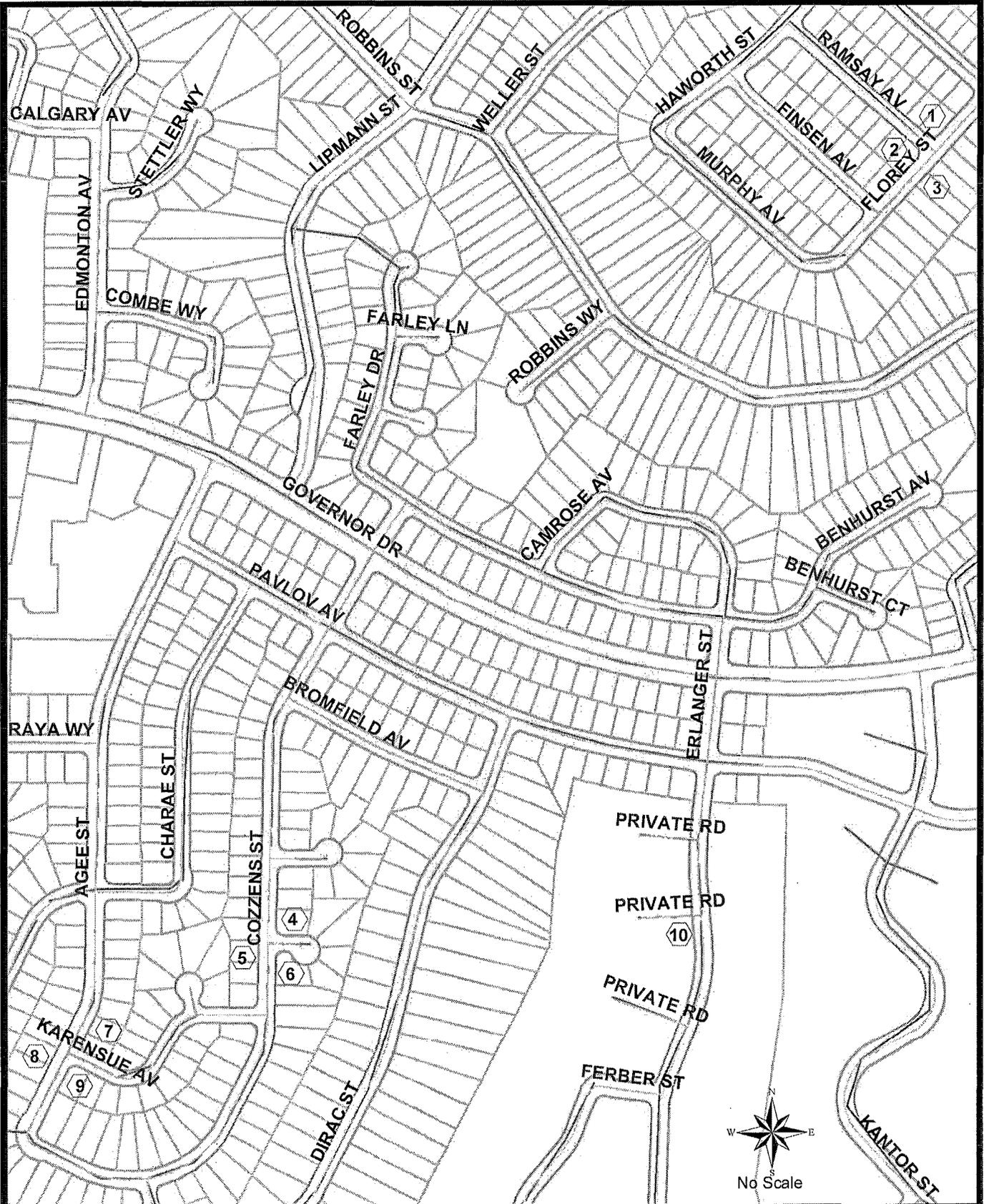
COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 6 OF 6
146 | Page

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

APPENDIX N
CURB RAMPS LOCATION & DETAILS



**PIPELINE REHABILITATION AF-1
CURB RAMPS LOCATION MAP**

SHEET 1 OF 3

CURB RAMP NOTES TABLE

LOCATION NO	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS/MODIFICATIONS
					STAINLESS STEEL	OTHER		
1	C2	X				X		
2	C2		X			X		
3	B	X				X		SEE DETAIL A, SHEET 3
4	C1	X				X		
5	C1	X				X		SEE DETAIL B, SHEET 3
6	C1	X				X		
7	C1	X				X		
8	C1	X				X		
9	C1		X			X		
10	DRIVEWAY		X					REPLACE THE EXISTING DRIVEWAY WITH A CONCRETE DRIVEWAY FOR CONFINED ROW PER SDG-162. CONTRACTOR TO TRANSITION THE CROSS GUTTER AND A PORTION OF THE ASPHALT TO MEET THE NEW DRIVEWAY.

NOTES:

1. CONTRACTOR TO USE COMPOSITE DETECTABLE WARNING TILES PER CITY'S APPROVED MATERIALS LIST FOR DETECTABLE WARNING TILES.
2. PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN SIDEWALK.
3. LOCATE LIMIT LINES BEFORE EACH CURB RAMP. RESTRIPE USING 12" WIDE THERMOPLASTIC.
4. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
5. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13%. WITH THE EXCEPTION OF A TYPE C2 AND C1, ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.
6. CONTRACTOR TO NOTIFY SURVEYING 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.
7. FOR LOCATION OF CURB RAMPS AND DRIVEWAY, SEE SHEET 1 OF CURB RAMP PLANS.

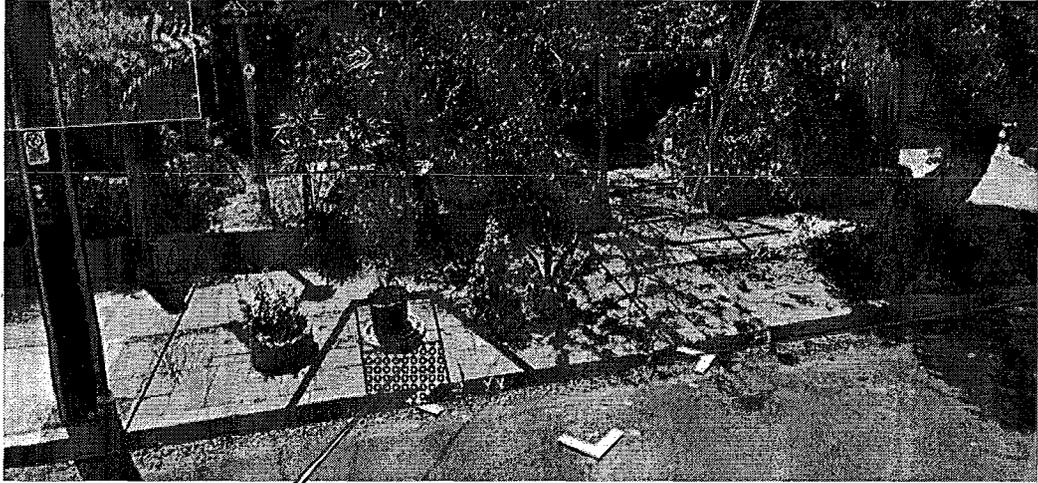
LEGEND

CURB RAMP NO'S	
PROPOSED CURB RAMP PER STANDARD DRAWING:	
CURB RAMP A & B	SDG-132
CURB RAMP - TYPE C1	SDG-134
CURB RAMP - TYPE C2	SDG-135
GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS	SDG-130
EX STAMP/IMPRESSION PLACEMENT	SDG-115
CONCRETE DRIVEWAY	SDG-162

**PIPELINE REHABILITATION AF-1
CURB RAMP NOTES**

SHEET 2 OF 3

Maintain a level landing.



Detectable warning tiles (DWT)

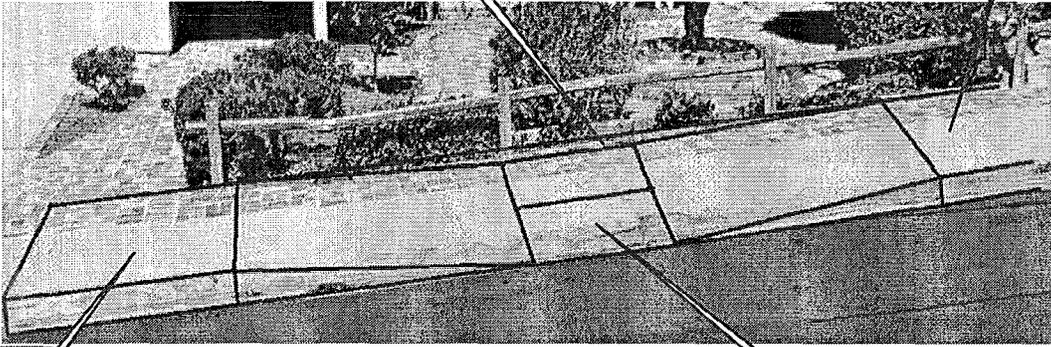
DETAIL A
TYPE B

Notes:

- * Contractor to remove all brick pavers on the sidewalk around the new curb ramp area and replace with concrete per City Standards.
- * Prior to demolition and construction, the Contractor shall notify the property owner/tenant on the removal of all potted plants outside the ROW limits.

Retaining curb behind the curb ramp

Level Landing



Level Landing

DETAIL B
TYPE C1

Detectable warning tiles (DWT)



PIPELINE REHABILITATION AF-1 CURB RAMP DETAILS

APPENDIX O
HAZARDOUS LABELS/FORMS

HAZARDOUS LABELS / 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 _____		86 HPL PHONE _____	
ADDRESS _____			
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) _____			
UW/NA NO. WITH PREFIX _____			
PHYSICAL STATE		HAZARDOUS PROPERTIES	
<input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID	<input type="checkbox"/> CORROSIVE	<input type="checkbox"/> FLAMMABLE	<input type="checkbox"/> TOXIC
		<input type="checkbox"/> REACTIVE	<input type="checkbox"/> 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 DATE	MO DAY YR	TIME OES NOTIFIED	(use 24 hr time) OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION		CITY / COMMUNITY	COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)			CAS Number
E	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>		CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
F	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS		PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	
G	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER		TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES
H	ACTIONS TAKEN			
I	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information) <input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____ <input type="checkbox"/> CHRONIC OR DELAYED (explain) _____ <input type="checkbox"/> NOTKNOWN (explain) _____			
J	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS			
K	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)			
L	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete. REPORTING FACILITY REPRESENTATIVE (print or type) _____ SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____			

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

APPENDIX P

SEWER MAINS & MANHOLES REHABILITATION REPORT DATA TEMPLATES

APPENDIX Q

PERMIT TO DO WORK ON PRIVATE PROPERTY



THE CITY OF SAN DIEGO

Permit To Do Work on Private Property

J.O. _____ Date _____ 20____ Coord. _____

Property Owner(s): _____

Daytime Phone Number(s) for Appointment/Work Coordination: _____

Property Owner(s) Address: _____

Address & Legal description of where the work is to be done:

Description of the work to be done: _____

Project Title: _____

Project Engineer: _____

It is understood and agreed that the permission herein granted shall terminate upon the date of completion of said work, as completion date is determined by the City of San Diego.

Permitter(s) shall not be held liable for any damage to equipment or injury to personnel of the City of San Diego, its agents or employees, incurred in performance of said work.

We/I, the undersigned, in consideration of the benefits to accrue to subject Real Property, DO HEREBY GRANT to the City of San Diego, its agents and representatives, permission to enter upon subject Real Property for the purpose of doing the work stated above in accordance with the standard of the City of San Diego.

OWNER

OWNER

APPROVED BY: _____

UW-1549 (2-01)

APPENDIX R
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT NAME

The work will consist of:

- *Edit this information:* The construction work will include pot holing in the northbound curb lane of Torrey Pines Road between Coast Walk and Princess Street.

How your neighborhood may be impacted:

- *Edit this information:* Traffic delays due to lane closure.
- Two-way traffic will be maintained at all times.

Anticipated Construction Schedule

- *Edit this information:* The project upgrades for the entire neighborhood have been ongoing and now are scheduled to start on your street.
- The entire neighborhood project started in ____ and is anticipated to be complete in ____.

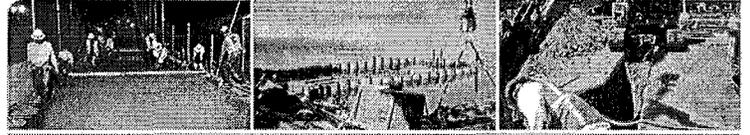
Hours and Days of Operation

- *Edit this information:* Monday to Friday (7:30 a.m. to 4 p.m.)

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.



CONSTRUCTION NOTICE

PROJECT NAME

The work will consist of:

- *Edit this information:* The construction work will include pot holing in the northbound curb lane of Torrey Pines Road between Coast Walk and Princess Street.

How your neighborhood may be impacted:

- *Edit this information:* Traffic delays due to lane closure.
- Two-way traffic will be maintained at all times.

Anticipated Construction Schedule

- *Edit this information:* The project upgrades for the entire neighborhood have been ongoing and now are scheduled to start on your street.
- The entire neighborhood project started in ____ and is anticipated to be complete in ____.

Hours and Days of Operation

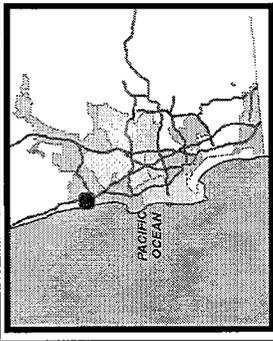
- *Edit this information:* Monday to Friday (7:30 a.m. to 4 p.m.)

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.

**APPENDIX S
RESURFACING PLAN**



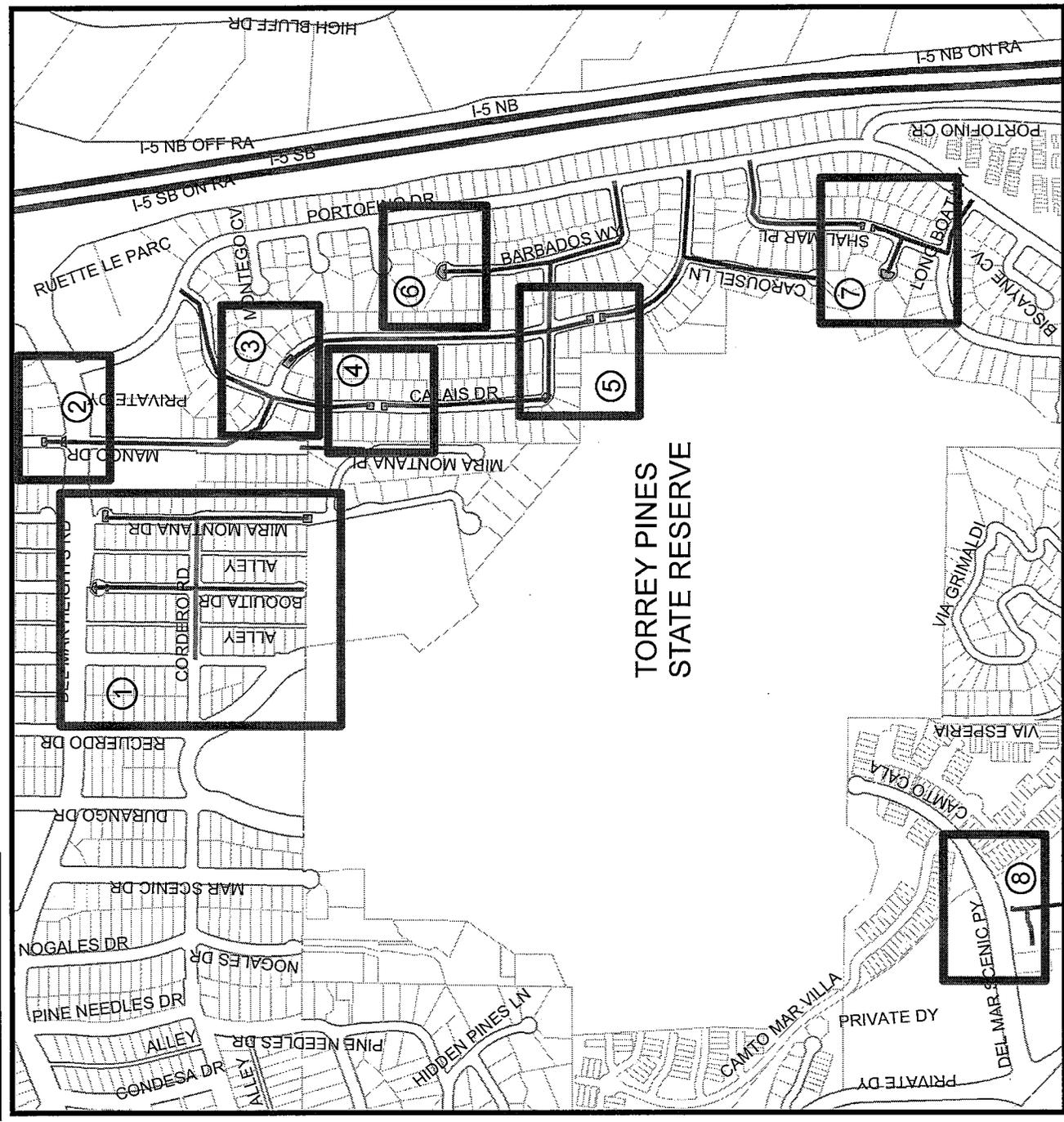
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- Ex. 8" Sewer Main to be Rehabbed
- Slurry Seal
- Sheet No.

PAVING PLAN (SLURRY SEAL) KEY MAP



COMMUNITY NAME: UNIVERSITY,
TORREY PINES

COUNCIL DISTRICT: 1

SAP ID: B14125 (S)
SHEET 1 OF 2



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



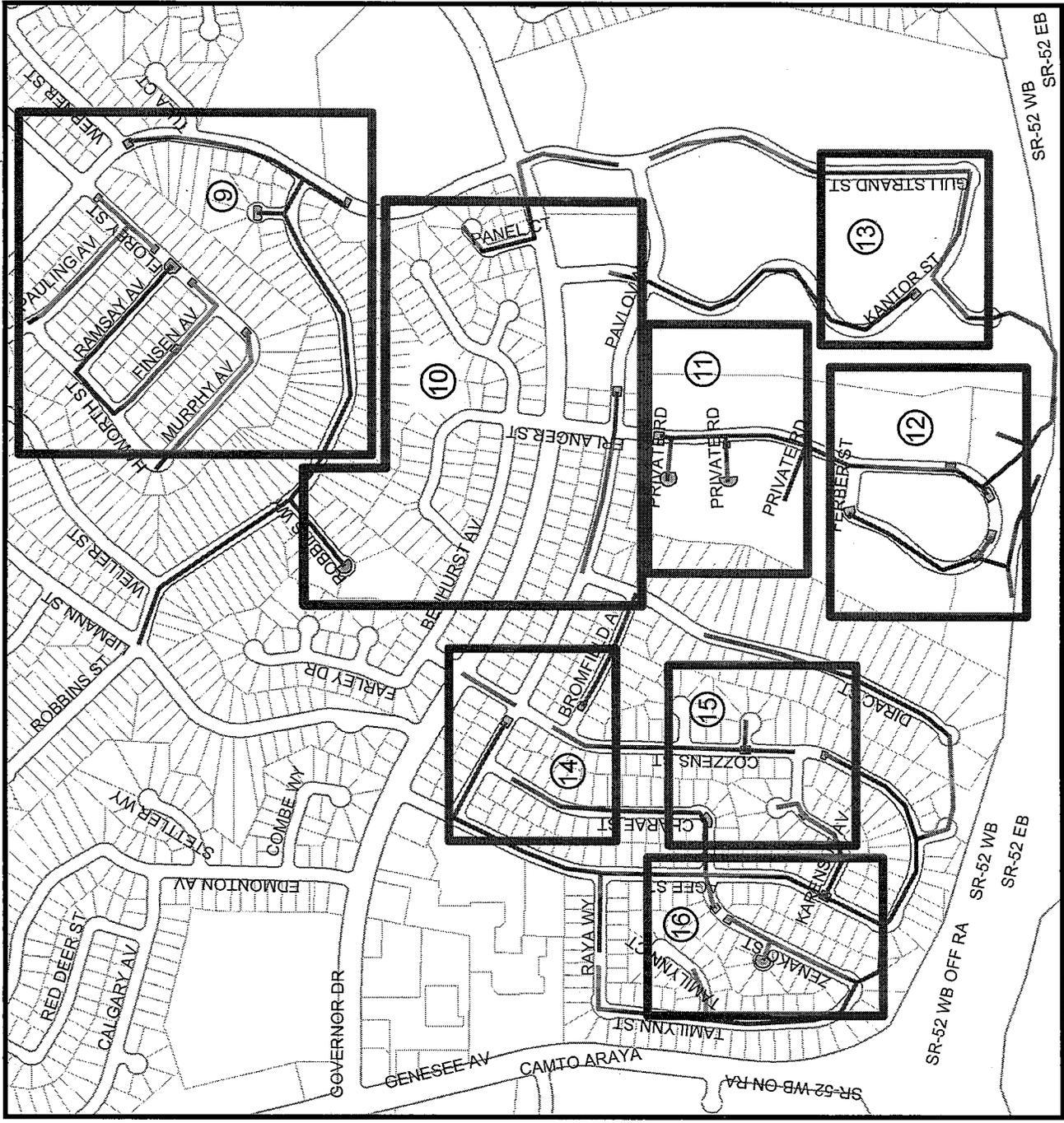
SEWER REHABILITATION AF-1

SENIOR ENGINEER
WENDY GAMBOA

PROJECT MANAGER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



- Legend**
- Ex. 8" Sewer Main to be Rehabbed
 - Slurry Seal
 - Sheet No.

PAVING PLAN (SLURRY SEAL) KEY MAP



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

Date: AUG 17, 2015

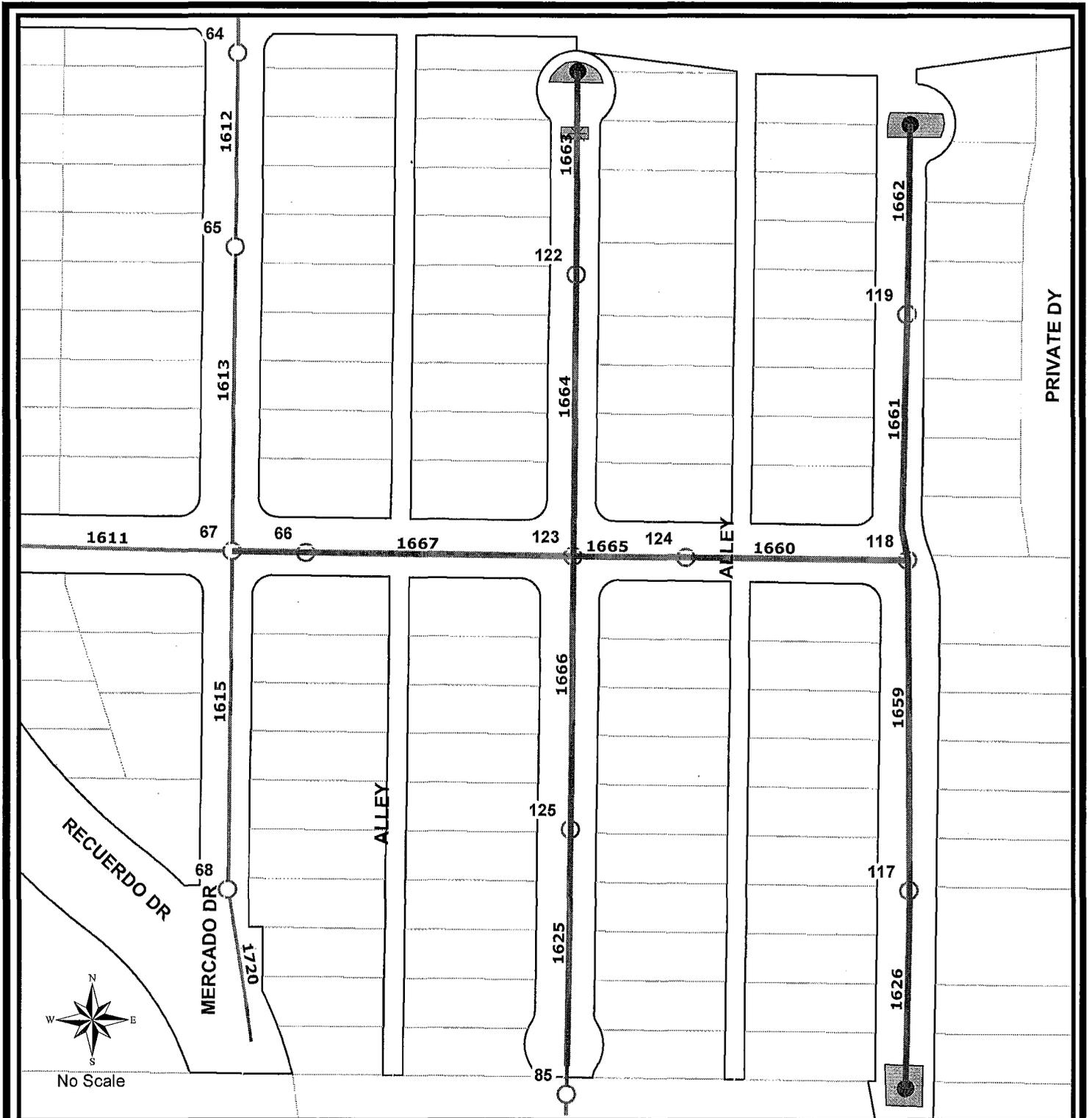
COMMUNITY NAME: UNIVERSITY,
TORREY PINES

COUNCIL DISTRICT: 1



SAP ID: B14125 (S)
SHEET 2 OF 2

e-Bidding Pipeline Rehabilitation AF-1
Appendix S - Resurfacing Plan (Rev. July 2015)



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

-  Ex. 8" Sewer Main to be Rehabbed
-  New Cleanout
-  Point Of Repair
-  Slurry Seal
-  Ex. Manhole
-  Sewer Main
-  Right Of Way

456 Property Address No.
1234 FSN No.
Existing Manhole No.

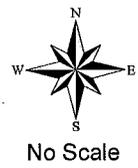
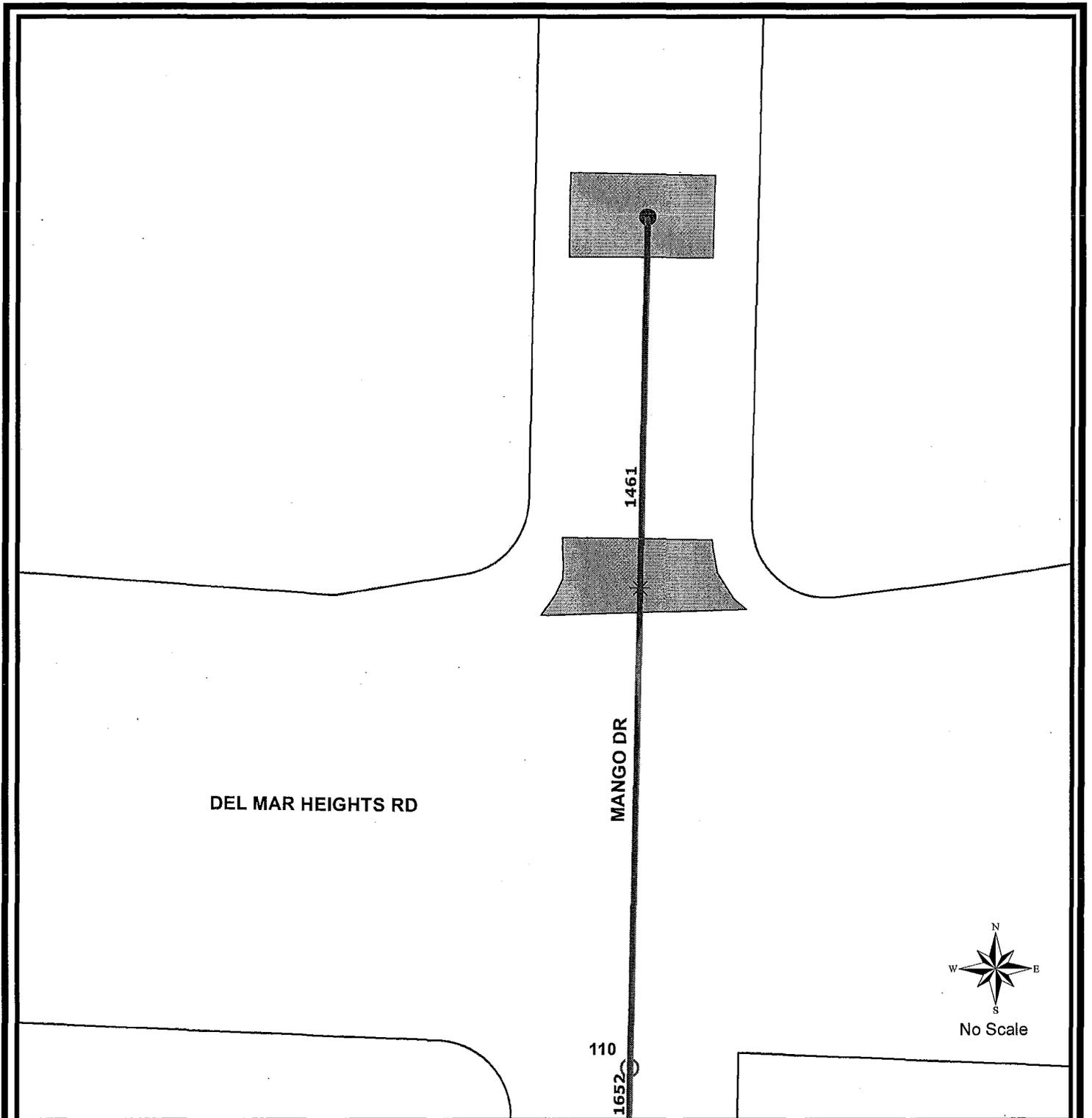


WBS: B-14125

Thomas Brothers Page
1187 6H

Field Book Index
B01S

SHEET NO. 1



CITY OF SAN DIEGO
 PUBLIC WORKS DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

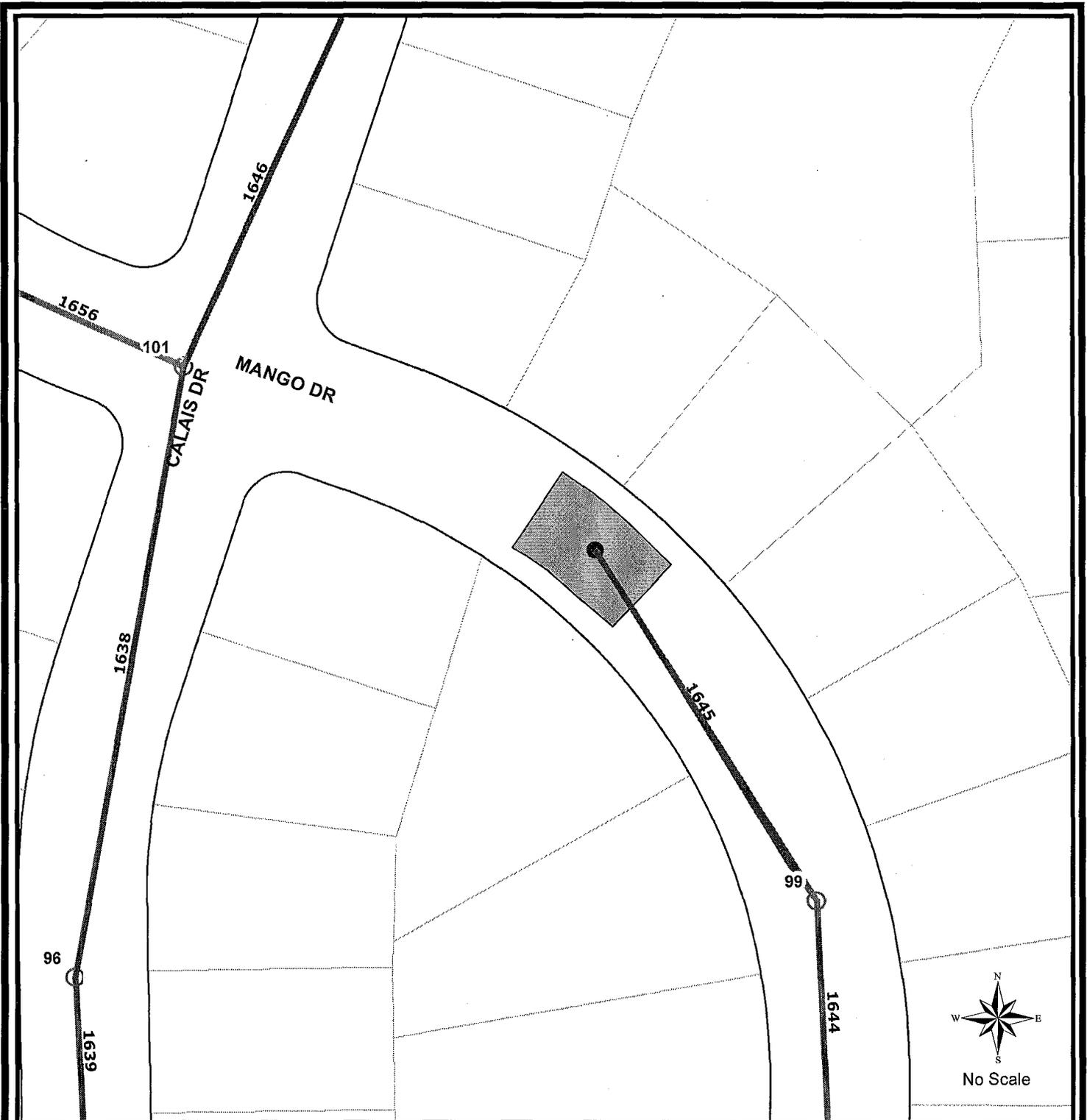
Legend

- Ex. 8" Sewer Main to be Rehabbed
- New Cleanout
- Point Of Repair
- Slurry Seal
- Ex. Manhole
- Sewer Main
- Right Of Way

456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
1187 6H
 Field Book Index
B01N, B01S
SHEET NO. 2



CITY OF SAN DIEGO
PUBLICWORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

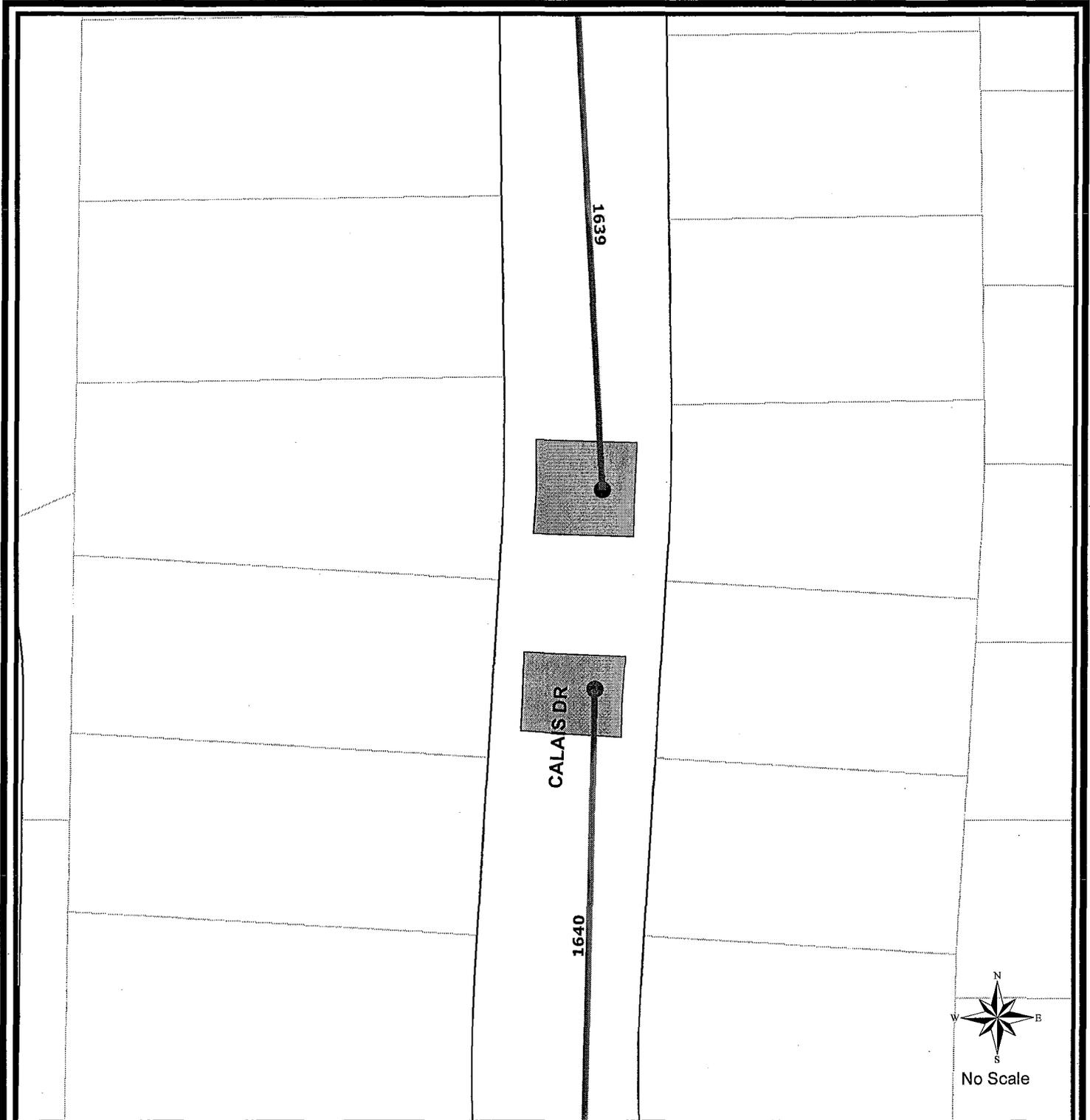
Legend

-  Ex. 8" Sewer Main to be Rehabbed
-  Sewer Main
-  New Cleanout
-  Slurry Seal
-  Ex. Manhole
-  456 Property Address No.
-  1234 FSN No.
-  # Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
1187 6H
 Field Book Index
B01S
SHEET NO. 3





SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

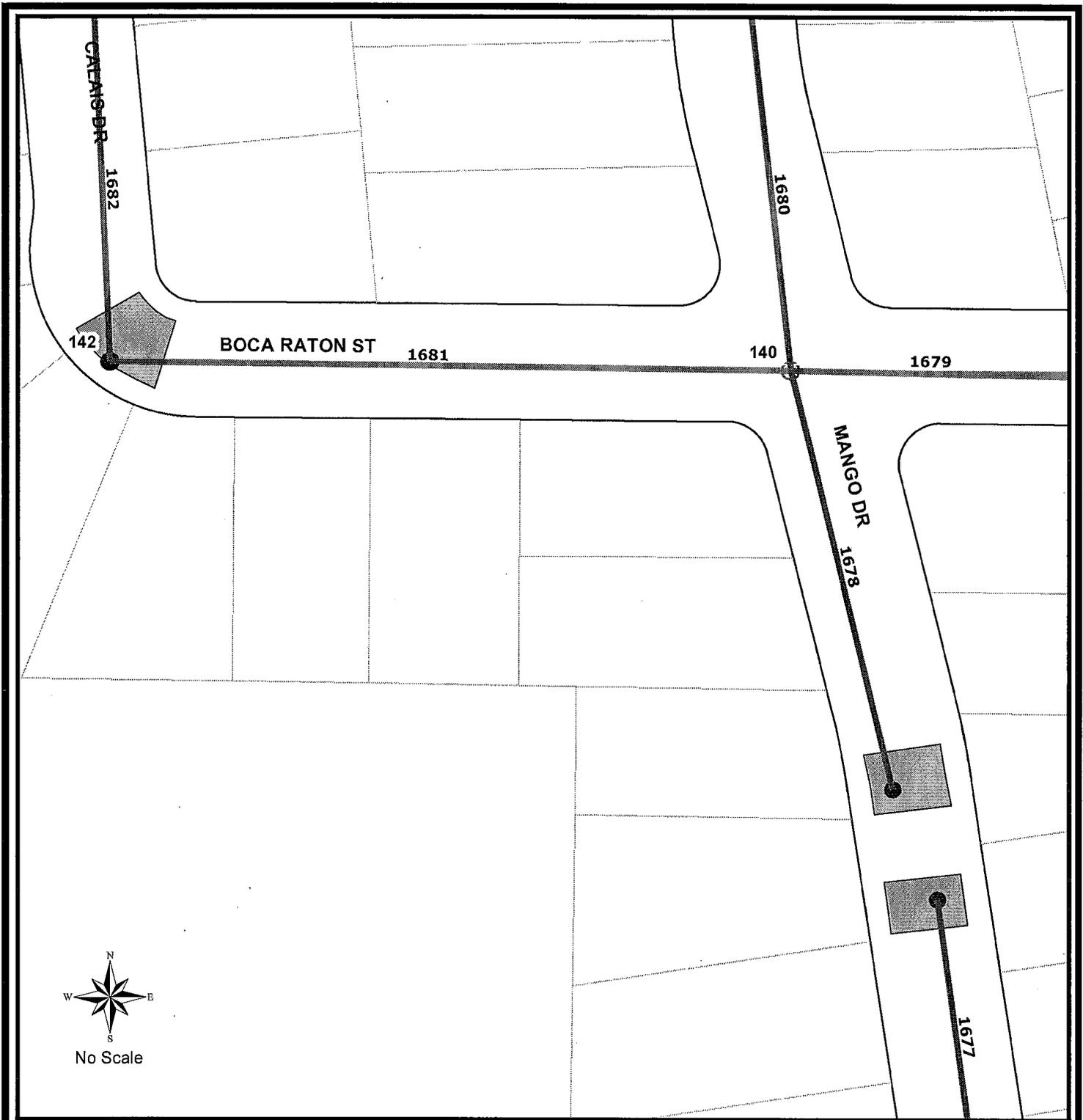
Legend

- Ex. 8" Sewer Main to be Rehabbed 456 Property Address No.
- New Cleanout 1234 FSN No.
- Slurry Seal # Existing Manhole No.
- Ex. Manhole
- Sewer Main



WBS: B-14125
 Thomas Brothers Page
1187 7H
 Field Book Index
B01S
SHEET NO. 4





SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed
 - New Cleanout
 - Slurry Seal
 - Ex. Manhole
 - Sewer Main
 - Ex. Manhole To Be Replaced
- 456 Property Address No.
1234 FSN No.
Existing Manhole No.

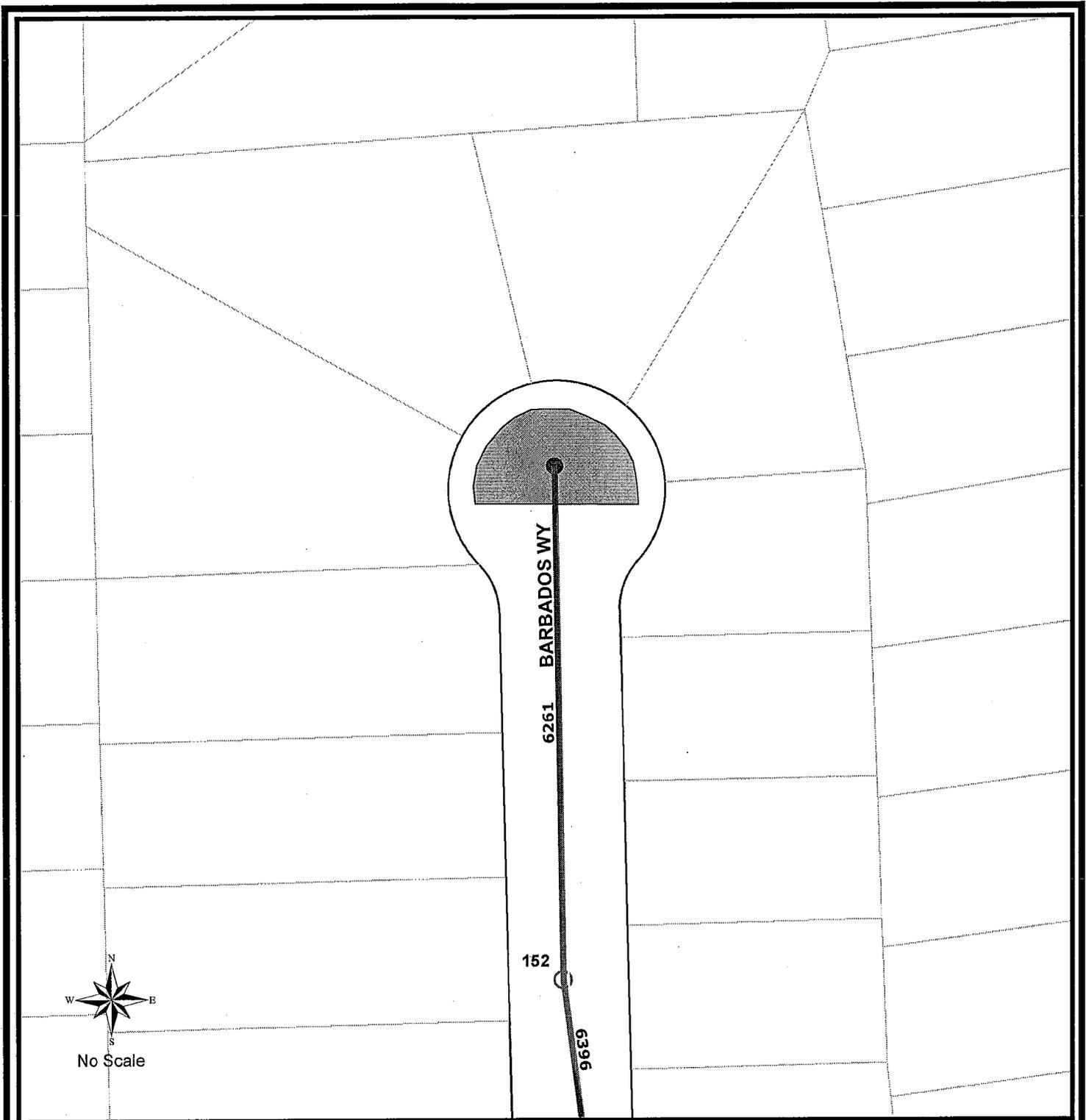


WBS: B-14125

Thomas Brothers Page
1187 7H, 1187 7I

Field Book Index
B01S

SHEET NO. 5



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- | | | | |
|---|----------------------------------|------|----------------------|
|  | Ex. 8" Sewer Main to be Rehabbed | 456 | Property Address No. |
|  | New Cleanout | 1234 | FSN No. |
|  | Slurry Seal | # | Existing Manhole No. |
|  | Ex. Manhole | | |
|  | Sewer Main | | |

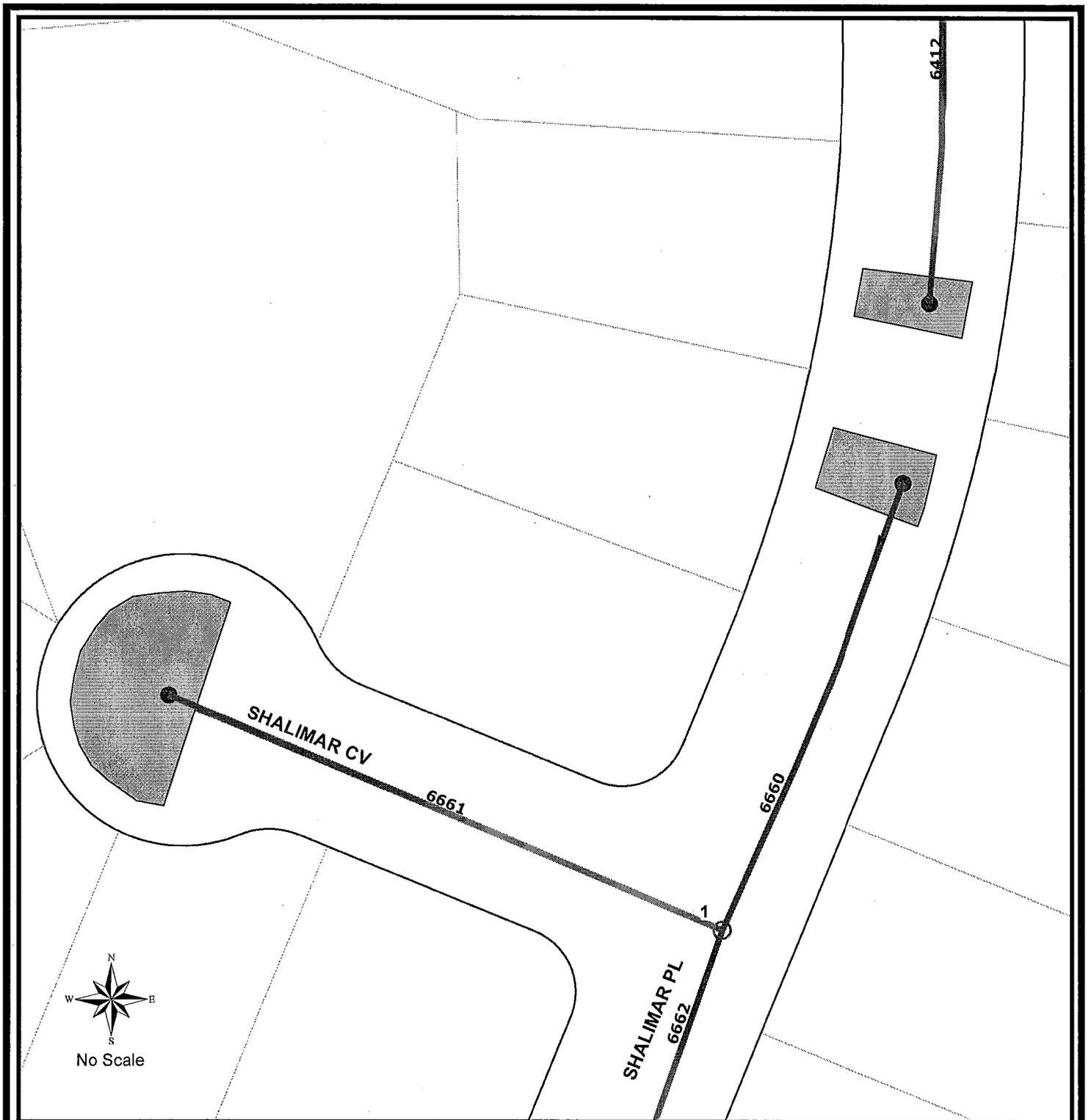


WBS: B-14125

Thomas Brothers Page
1187 7J

Field Book Index
C01S

SHEET NO. 6



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

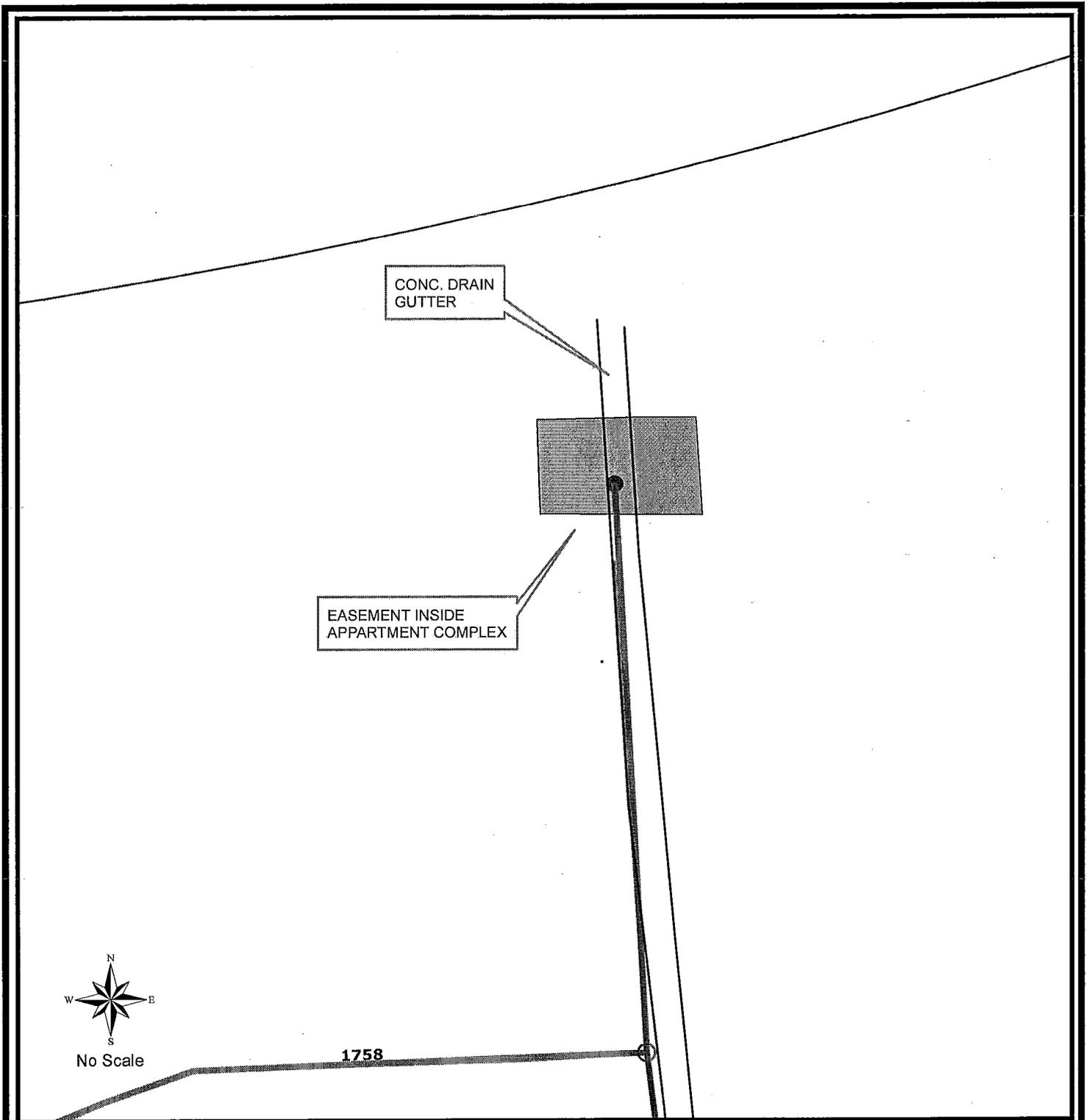
SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Sewer Main
- New Cleanout
- Slurry Seal
- Ex. Manhole
- 456 Property Address No.
- 1234 FSN No.
- # Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
 1187 7J, 1207 1J
 Field Book Index
 C01S, C02S
SHEET NO. 7



SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed
- New Cleanout
- Slurry Seal
- Ex. Manhole
- Sewer Main

456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.

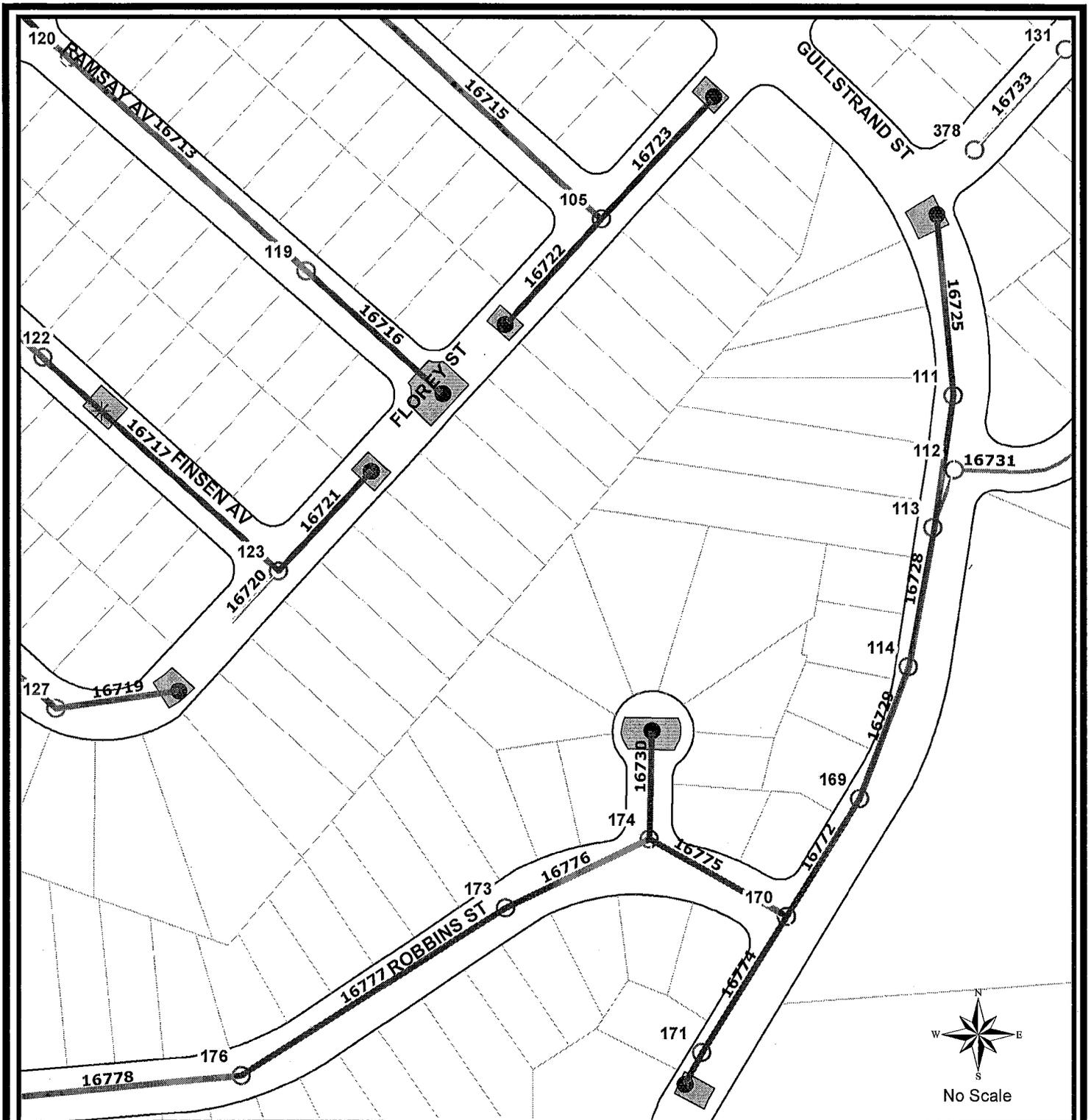


WBS: B-14125

Thomas Brothers Page
 1207 1H

Field Book Index
 B02S

SHEET NO. 8



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

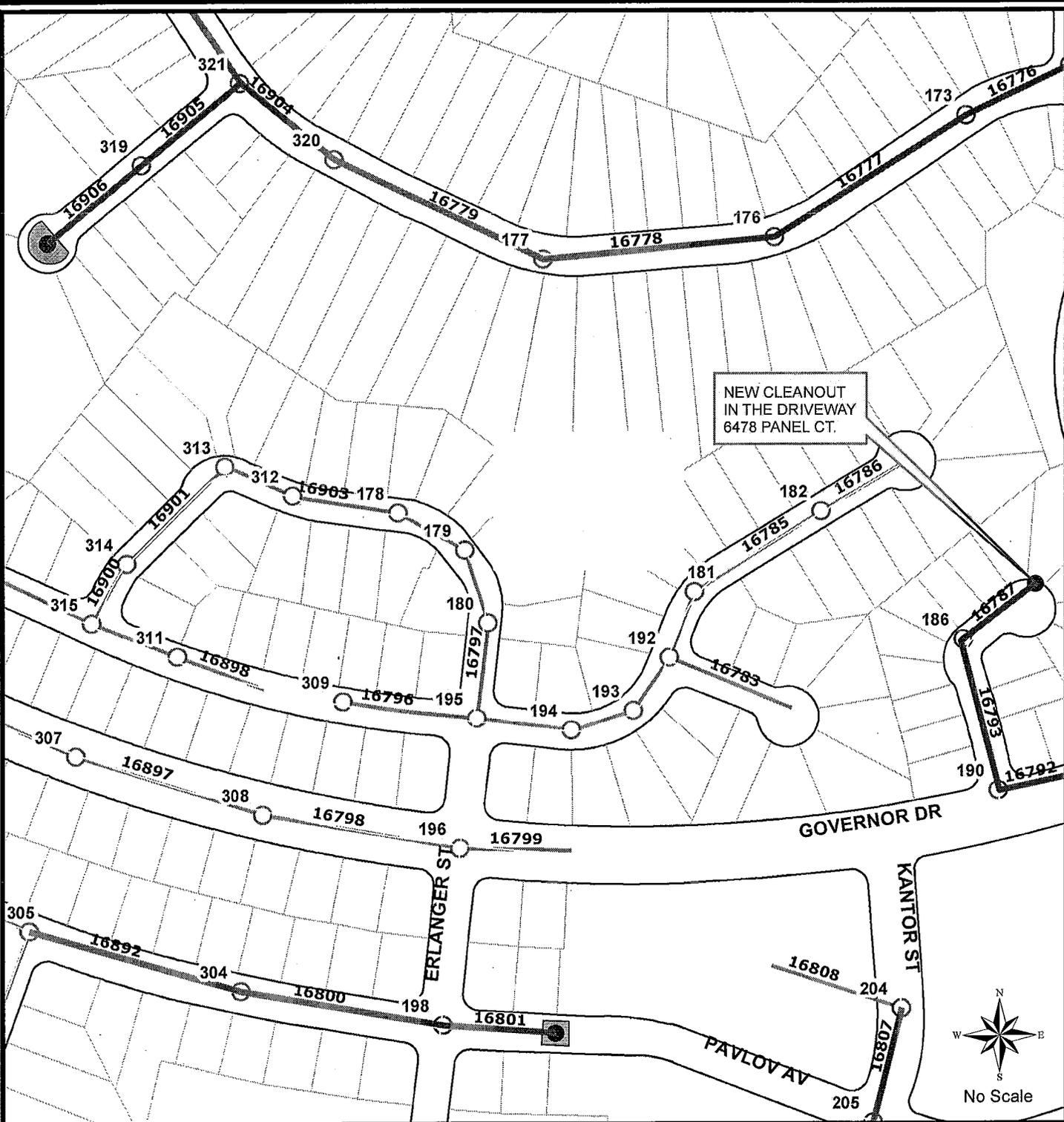
Legend

- Ex. 8" Sewer Main to be Rehabbed
 - New Cleanout
 - Slurry Seal
 - Ex. Manhole
 - Sewer Main
 - Point Of Repair
- 456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
1228 4F, 1228 5F
 Field Book Index
E09S

SHEET NO. 9



NEW CLEANOUT
IN THE DRIVEWAY
6478 PANEL CT.



CITY OF SAN DIEGO
PUBLIC WORKS
DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

**SEWER REHABILITATION AF-1
SLURRY SEAL**

Legend

- Ex. 8" Sewer Main to be Rehabbed
- New Cleanout
- Slurry Seal
- Ex. Manhole
- Sewer Main
- 456 Property Address No.
- 1234 FSN No.
- # Existing Manhole No.

SARGIS

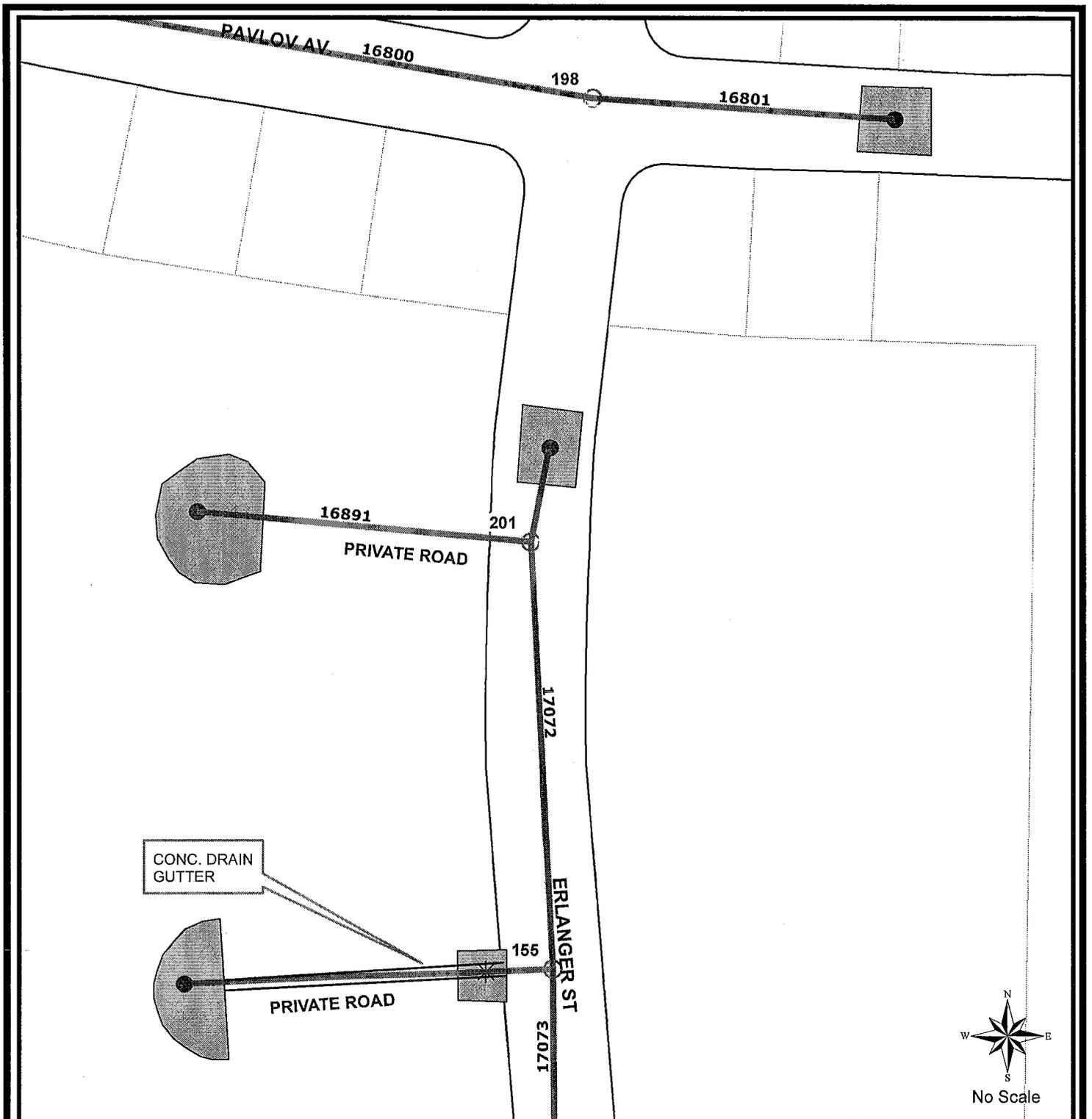


WBS: B-14125

Thomas Brothers Page
1228 5F

Field Book Index
E09S

SHEET NO. 10



CITY OF SAN DIEGO
 PUBLIC WORKS DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

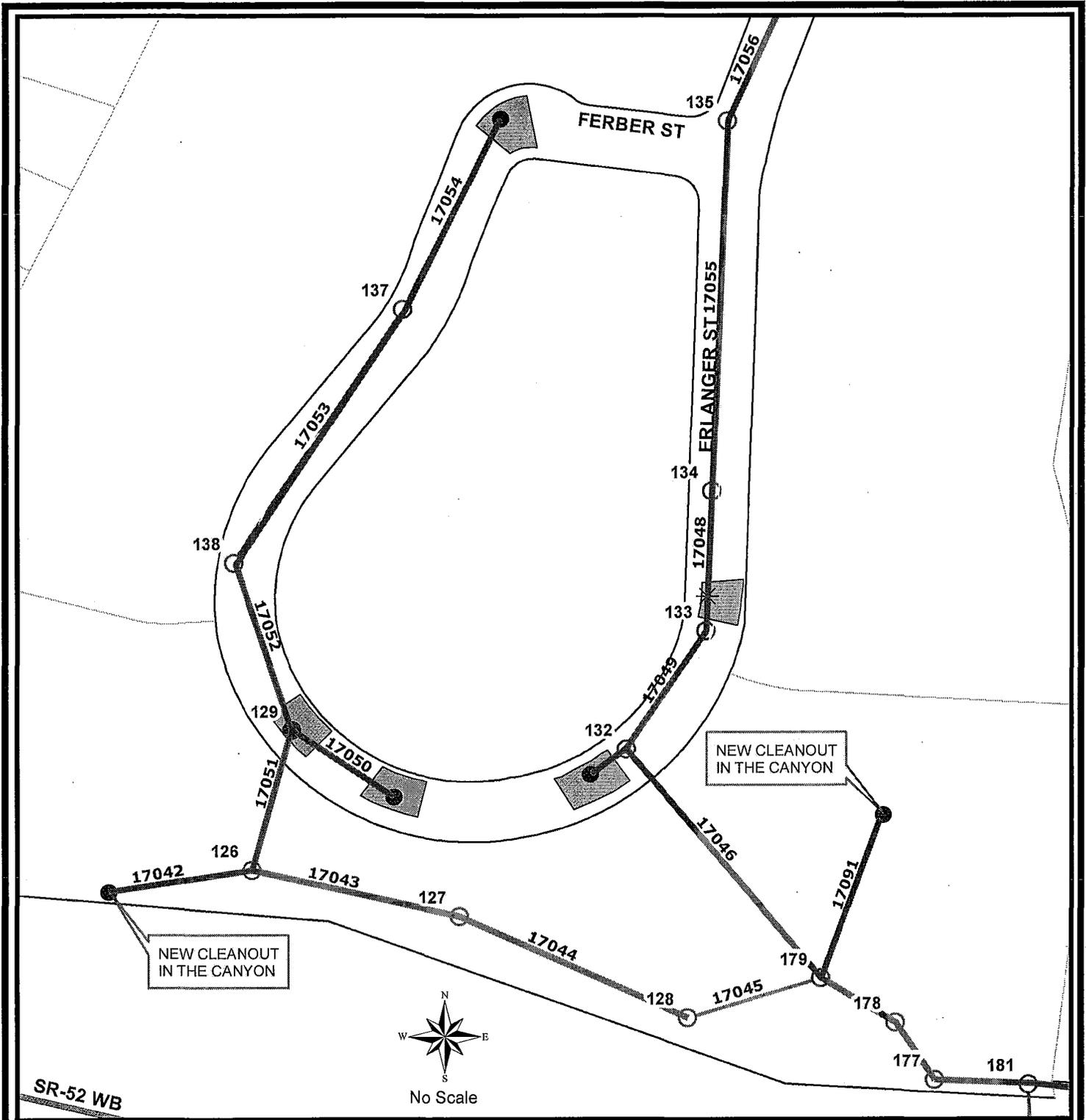
SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed
 - New Cleanout
 - Slurry Seal
 - Ex. Manhole
 - Sewer Main
 - Point Of Repair
- 456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.



WBS: B-14125
 Thomas Brothers Page
1228 5F
 Field Book Index
E10S
SHEET NO. 11



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

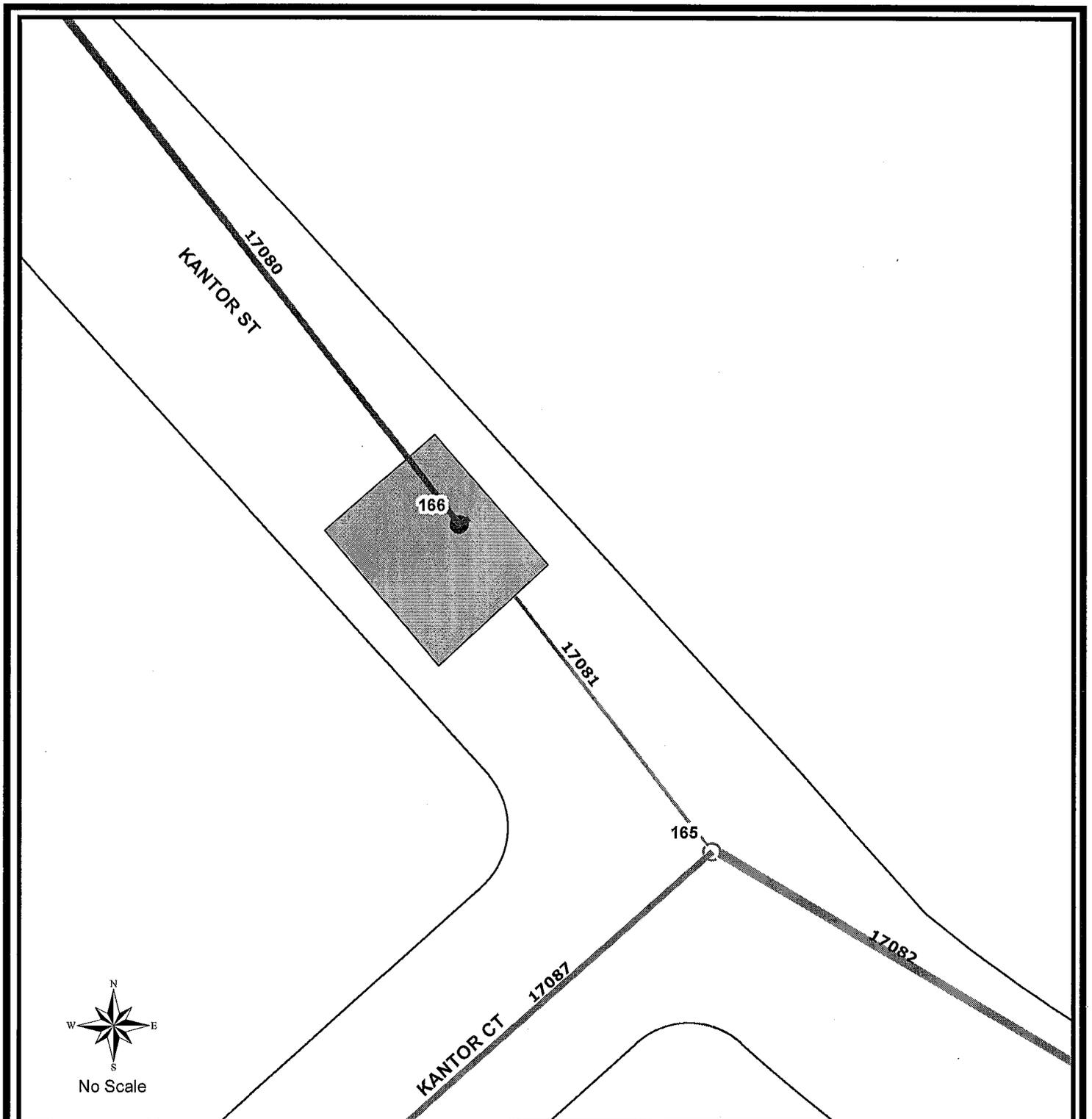
Legend

- Ex. 8" Sewer Main to be Rehabbed
- Sewer Main
- New Cleanout
- Slurry Seal
- Ex. Manhole
- Point Of Repair
- Ex. Manhole To Be Replaced
- 456 Property Address No.
- 1234 FSN No.
- # Existing Manhole No.

SAN GIS



WBS: B-14125
 Thomas Brothers Page
 1228 6F
 Field Book Index
 E10S
SHEET NO. 12



SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

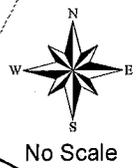
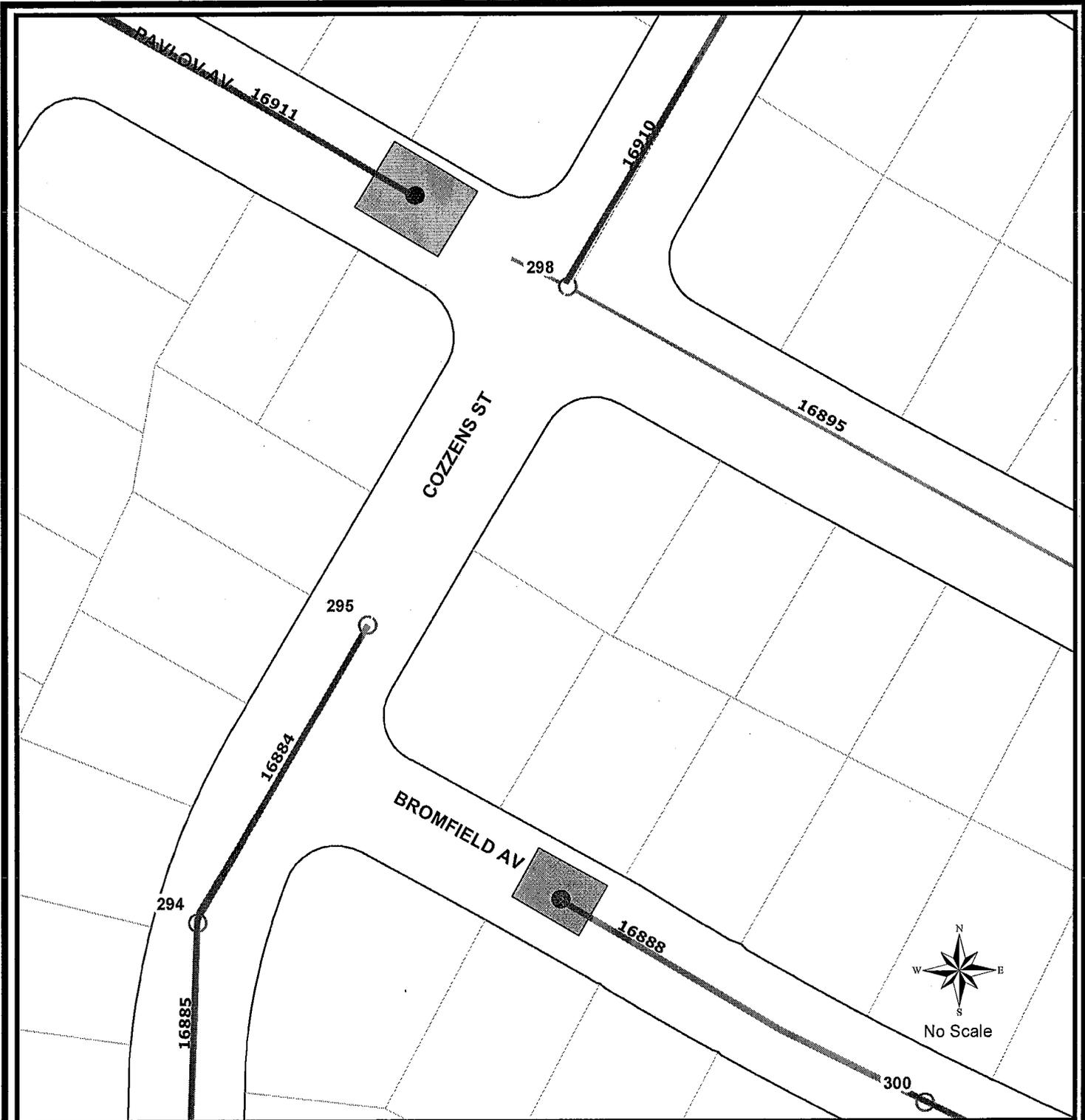
- | | | | |
|---|----------------------------------|------|----------------------|
|  | Ex. 8" Sewer Main to be Rehabbed | 456 | Property Address No. |
|  | Slurry Seal | 1234 | FSN No. |
|  | Ex. Manhole | # | Existing Manhole No. |
|  | Sewer Main | | |
|  | Ex. Manhole To Be Replaced | | |



WBS: B-14125

Thomas Brothers Page
1228 6F
 Field Book Index
E10S

SHEET NO. 13



CITY OF SAN DIEGO
 PUBLIC WORKS DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed
- Slurry Seal
- Ex. Manhole
- Sewer Main
- New Cleanout

456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.

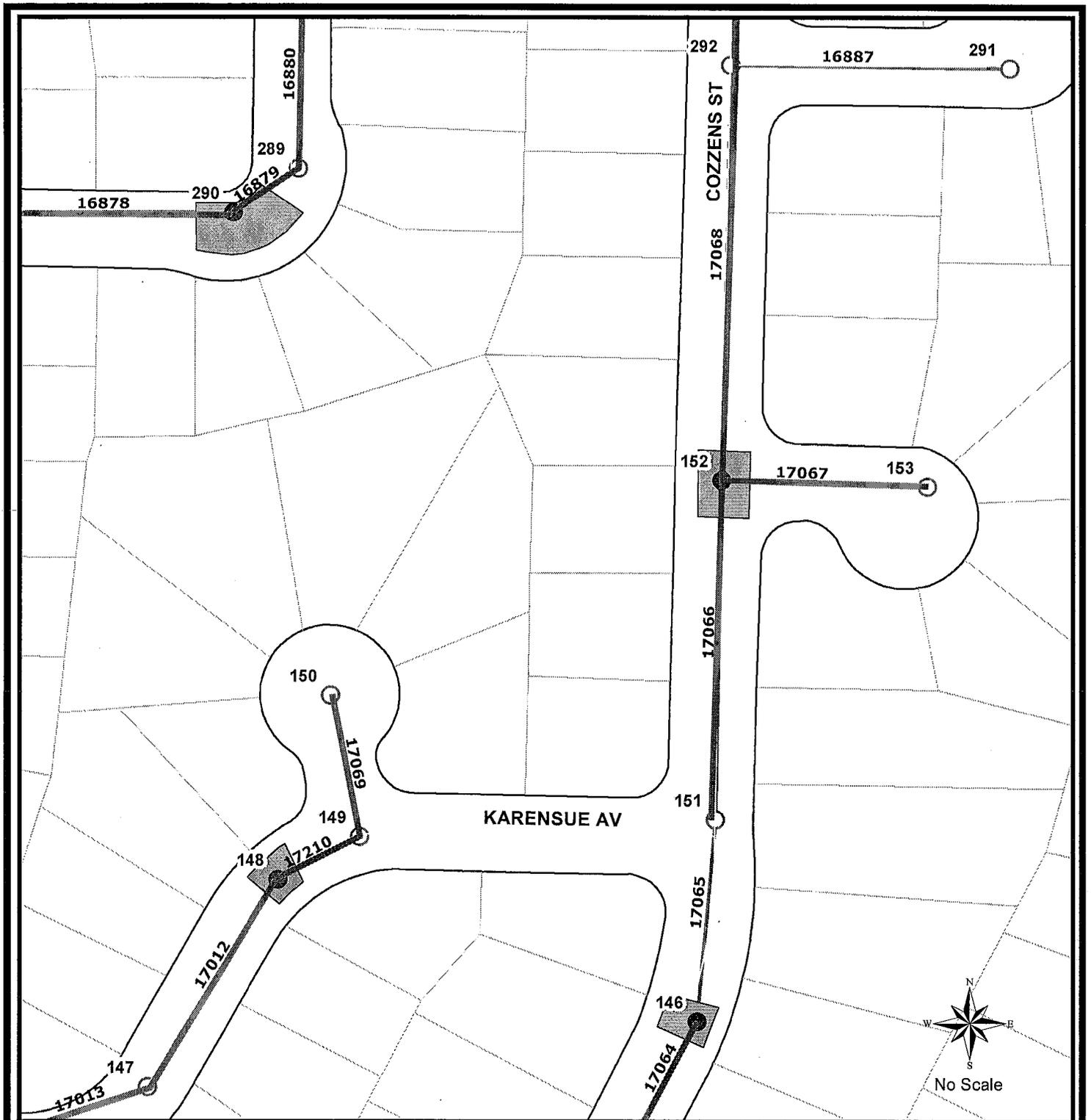


WBS: B-14125

Thomas Brothers Page
1228 5E

Field Book Index
E09S

SHEET NO. 14



CITY OF SAN DIEGO
(a.s.)
PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA

ASSOCIATE ENGINEER
DANIEL TITTLE

PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

- Ex. 8" Sewer Main to be Rehabbed 456 Property Address No.
- Slurry Seal 1234 FSN No.
- Ex. Manhole # Existing Manhole No.
- Sewer Main
- Ex. Manhole To Be Replaced

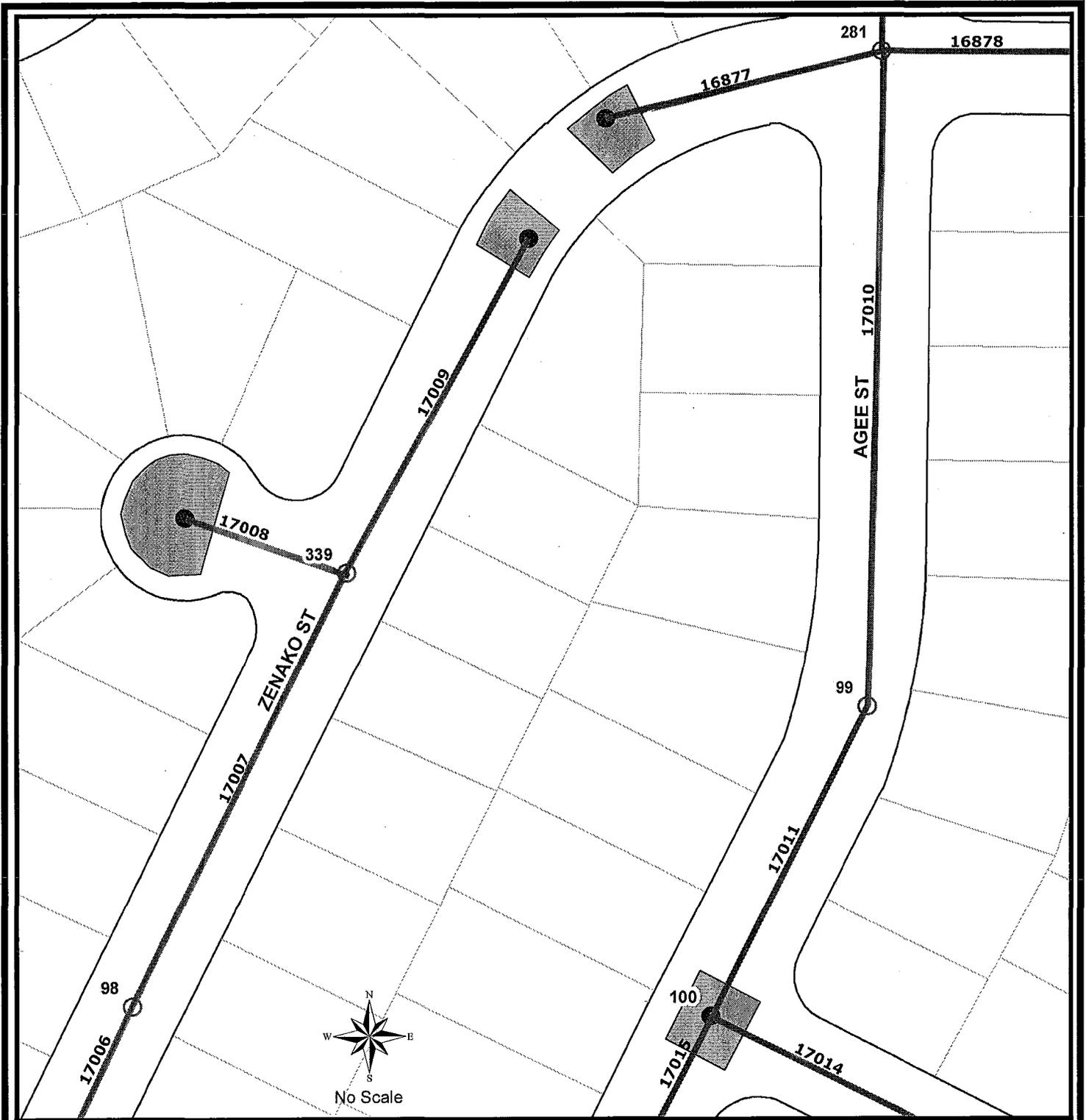


WBS: B-14125

Thomas Brothers Page
1228 6E

Field Book Index
E10S

SHEET NO. 15



CITY OF SAN DIEGO

PUBLIC WORKS
 DEPARTMENT

SENIOR ENGINEER
WENDY GAMBOA
 ASSOCIATE ENGINEER
DANIEL TITTLE
 PROJECT ENGINEER
JING DEBELISO

SEWER REHABILITATION AF-1 SLURRY SEAL

Legend

-  Ex. 8" Sewer Main to be Rehabbed
-  Slurry Seal
-  Ex. Manhole
-  Sewer Main
-  Ex. Manhole To Be Replaced
-  New Cleanout

456 Property Address No.
 1234 FSN No.
 # Existing Manhole No.





WBS: B-14125
 Thomas Brothers Page
 1228 6E, 1228 6E
 Field Book Index
 E10S
SHEET NO. 16

ATTACHMENT F
INTENTIONALLY LEFT BLANK

CERTIFICATIONS AND FORMS

Instruction to Bidders, Section 1 - 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:

Pipeline Rehabilitation AF-1

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-16-1353-DBB-3**; SAP No. (WBS) **B-14125**; 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

Bid Results for Project Pipeline Rehabilitation AF-1 (K-16-1353-D88-3)
 Issued on 08/20/2015
 Bid Due on September 17, 2015 2:00 PM (Pacific)
 Exported on 09/18/2015

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

Responder	Responder Title	Responder Phone	Responder Email
Rob Bolger	Estimator	310-329-8717	rbolger@swpipeline.com

Bid Format	Submitted Date	Responsive	Status	Confirmation #	Ranking
Electronic	September 17, 2015 1:36:54 PM (Pacific)		Submitted	64032	0

Attachments		
File Title	File Name	File Type
Bid Bond	Bid Bond Signed Scan.pdf	General Attachments
Cert of Pending Actions	Certification pending action Signed Scan.pdf	General Attachments
Equal Benefits	Equal Benefits and Pending Signed Scan.pdf	General Attachments

Line Items									
Item Num	Section	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total		
1	Main Bid		Bonds (Payment and Performance)	LS	1	\$40,000.00	\$40,000.00		
2	Main Bid		Video Recording of Existing Conditions	LS	1	\$1,500.00	\$1,500.00		
3	Main Bid		Traffic Control	LS	1	\$4,000.00	\$4,000.00		
4	Main Bid		Mobilization	LS	1	\$45,000.00	\$45,000.00		
5	Main Bid		Field Orders - Type II	AL	1	\$150,000.00	\$150,000.00		
6	Main Bid		Asphalt Pavement Repair	SF	500	\$5.00	\$2,500.00		
7	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping	SF	50	\$10.00	\$500.00		
8	Main Bid		Cross Gutter	SF	200	\$25.00	\$5,000.00		
9	Main Bid		Concrete Pavement	CY	200	\$150.00	\$30,000.00		
10	Main Bid		Additional Sidewalk Removal and Replacement	SF	1500	\$5.00	\$7,500.00		
11	Main Bid		Additional Curb and Gutter	LF	1	\$200.00	\$200.00		
12	Main Bid		Curb Ramp Type B with Detectable Warning Tiles	EA	1	\$2,100.00	\$2,100.00		
13	Main Bid		Curb Ramp Type C1 with Detectable Warning Tiles	EA	6	\$2,800.00	\$16,800.00		
14	Main Bid		Curb Ramp Type C2 with Detectable Warning Tiles	EA	2	\$2,800.00	\$5,600.00		
15	Main Bid		Replace Existing Driveway and Related Surface/Transition Improvement	EA	1	\$10,000.00	\$10,000.00		
16	Main Bid		Trench Shoring	LS	1	\$2,500.00	\$2,500.00		
17	Main Bid		Additional Bedding	CY	300	\$20.00	\$6,000.00		
18	Main Bid		Temporary Resurfacing	TON	150	\$20.00	\$3,000.00		
19	Main Bid		Imported Backfill	TON	120	\$20.00	\$2,400.00		
20	Main Bid		8-Inch Sewer Main Cleanout	EA	39	\$3,500.00	\$136,500.00		
21	Main Bid		Manholes-Replace In-Place 3'x4'	EA	8	\$9,500.00	\$76,000.00		
22	Main Bid		Cleaning and Video Inspecting Pipeline and Culverts	LF	44352	\$0.70	\$31,046.40		
23	Main Bid		Lateral Launch Video	EA	993	\$30.00	\$29,790.00		
24	Main Bid		Video Inspecting Pipeline and Culverts for Acceptance	LF	44352	\$0.40	\$17,740.80		
25	Main Bid		Rehabilitate 8-Inch Sewer Main	LF	44352	\$22.00	\$975,744.00		
26	Main Bid		Point Repair for Existing 8-Inch Sewer Main	EA	4	\$5,000.00	\$20,000.00		
27	Main Bid		Additional Point Repair for Existing 8-Inch Sewer Main	LF	200	\$50.00	\$10,000.00		
28	Main Bid		4-Inch Service Lateral Rehabilitation	EA	985	\$1,670.00	\$1,644,950.00		
29	Main Bid		6-Inch Service Lateral Rehabilitation	EA	7	\$2,500.00	\$17,500.00		
30	Main Bid		8-Inch Service Lateral Rehabilitation	EA	1	\$2,800.00	\$2,800.00		
31	Main Bid		Rehabilitate Existing Manhole	EA	39	\$1,550.00	\$60,450.00		
32	Main Bid		Service Lateral Connection & Sealing	EA	993	\$800.00	\$794,400.00		
33	Main Bid		Water Pollution Control Program Implementation	LS	1	\$1,500.00	\$1,500.00		
34	Main Bid		Water Pollution Control Program Development	LS	1	\$500.00	\$500.00		
35	Main Bid		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$2,500.00	\$2,500.00		
							Subtotal	\$4,156,021.20	
							Total	\$4,156,021.20	

Subcontractors									
Name	Description	License Num	Amount	Type	Address	City	Zip Code	Country	
Easy Flow	Lateral Rehab (partial), Clean, Pre and Post Video	960845	\$945,754.80	CAU,MALE,ELBE,CADIR	14275 Crystal View Lane	Poway	92064	United States	
Zebon Contracting, Inc	MH Rehab	855170	\$60,450.00		P.O. Box 2874	Newport Beach	92659	United States	
Bensfield General Engineering, Inc.	Open Cut, Main Point Repairs/Cleanouts, Lateral Cleanouts (Partial)	991722	\$1,038,990.00	CADIR	2295 Orchard View Lane	Escondido	92027	United States	

Self-Performance
0.4921

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 AF-1

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

SIGNED AND SEALED, this 24th day of August, 20 15

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

Liberty Mutual Insurance
Company (SEAL)
(Surety)

By: [Signature]
(Signature)
Justin Ducharmeau, President

By: [Signature]
(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

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

State of California)
) ss
County of Los Angeles)

On AUG 24 2015, before me, Patricia Arana, Notary Public, personally appeared Natalie K. Trofimoff, 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: *Patricia Arana*
Patricia Arana, Notary Public

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

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.

Certificate No. 7042462

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, C. K. Nakamura; E. S. Albrecht, Jr.; Jeffrey Strassner; Lisa L. Thornton; Maria Pena; Natalie K. Trofimoff; Noemi Quiroz; Patricia S. Arana; Tim M. Tomko

all of the city of Los Angeles, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

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 2nd day of July, 2015.



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 2nd day of July, 2015, 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 Insurance 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 AUG 24 day of 2015, 2015.



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

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

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.

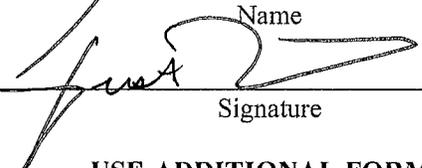
CHECK ONE BOX ONLY.

- 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 and Trenchless Corp.

Certified By Justin Duchaineau Title President


 Name
 Signature

Date 9/16/15

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
 Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION	
Company Name: Southwest Pipeline and 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 AF-1	Start Date: 12/15
Contract Number (if no number, state location): K-16-1353-DBB-3	End Date: 12/16

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 9/16/15

Name/Title of Signatory Signature Date

FOR OFFICIAL CITY USE ONLY			
Receipt Date:	EBO Analyst:	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved – Reason: ..

(Rev 02/15/2011)

City of San Diego

CITY CONTACT: CLEMENTINA GIORDANO, Contract Specialist, Email: CGiordano@sandiego.gov
Phone No. (619) 533-3481, Fax No. (619) 533-3633

ADDENDUM "A"

 **e - Bidding** FOR



Pipeline Rehabilitation AF-1

BID NO.: K-16-1353-DBB-3
SAP NO. (WBS/IO/CC): B-14125
CLIENT DEPARTMENT: 2012
COUNCIL DISTRICT: 1
PROJECT TYPE: JA

BID DUE DATE:

**2:00 PM
SEPTEMBER 17, 2015
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:



For City Engineer

9/15/15

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. Where do the City anticipate Bid Item 15?

A1. The work and location is described in Appendix N

Q2. Please verify if Items 12, 13 & 14 just require Composite Truncated Domes.

A2. Curb ramps require the composite truncated domes as described in Appendix N.

C. CONTRACT DOCUMENTS

1. To Attachment E, Supplementary Special Provisions, page 35, Section 2, Scope and Control of Work, Subsection 2-3.2, Self Performance, **DELETE** in its entirety and **SUBSTITUTE** with the following:

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. To Certifications and Forms, pages 191 through 192, Bid Items, **DELETE** in its entirety and **SUBSTITUTE** with pages 4 through 6 of this Addendum.

James Nagelvoort, Director
Public Works Department

Dated: *September 15, 2015*
San Diego, California

JN/RWB/egz

BID ITEMS

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

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1	1	LS	524126	2-4.1	Bonds (Payment and Performance)		\$
2	1	LS	238990	7-9.1.1	Video Recording of Existing Conditions		\$
3	1	LS	237310	7-10.2.6	Traffic Control		\$
4	1	LS	237110	9-3.4.1	Mobilization		\$
5	1	AL		9-3.5	Field Orders - Type II		\$150,000.00
6	500	SF	237310	302-3.2	Asphalt Pavement Repair	\$	\$
7	50	SF	237310	302-4.12.4	Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping	\$	\$
8	200	SF	237310	303-5.9	Cross Gutter	\$	\$
9	200	CY	237310	302-6.8	Concrete Pavement	\$	\$
10	1,500	SF	237310	303-5.9	Additional Sidewalk Removal and Replacement	\$	\$
11	1	LF	237310	303-5.9	Additional Curb and Gutter	\$	\$
12	1	EA	237310	303-5.10.2	Curb Ramp Type B with Detectable Warning Tiles	\$	\$

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
13	6	EA	237310	303-5.10.2	Curb Ramp Type C1 with Detectable Warning Tiles	\$	\$
14	2	EA	237310	303-5.10.2	Curb Ramp Type C2 with Detectable Warning Tiles	\$	\$
15	1	EA	237310	303-5.10.2	Replace Existing Driveway and Related Surface/Transition Improvement	\$	\$
16	1	LS	237110	306-1.1.6	Trench Shoring	\$	\$
17	300	CY	237110	306-1.2.1.1	Additional Bedding	\$	\$
18	150	TON	237310	306-1.5.1	Temporary Resurfacing	\$	\$
19	120	TON	237110	306-1.6	Imported Backfill	\$	\$
20	39	EA	237110	306-1.6	8-Inch Sewer Main Cleanout	\$	\$
21	8	EA	237110	306-1.8.6	Manholes-Replace -in- Place 3'x4'	\$	\$
22	44,352	LF	237110	306-9.7	Cleaning and Video Inspecting Pipeline and Culverts	\$	\$
23	993	EA	237110	500-1.1.9	Lateral Launch Video	\$	\$
24	44,352	LF	237110	306-9.7	Video Inspecting Pipelines and Culverts for Acceptance	\$	\$
25	44,352	LF	237110	500-1.1.9	Rehabilitate 8-Inch Sewer Main	\$	\$
26	4	EA	237110	500-1.2.7	Point Repair for Existing 8-Inch Sewer Main	\$	\$
27	200	LF	237110	500-1.2.7	Additional Point Repair for Existing 8-Inch Sewer Main	\$	\$
29	985	EA	237110	500-1.6.6	4-Inch Service Lateral Rehabilitation	\$	\$
30	7	EA	237110	500-1.6.6	6-Inch Service Lateral Rehabilitation	\$	\$
31	1	EA	237110	500-1.6.6	8-Inch Service Lateral Rehabilitation	\$	\$
32	39	EA	237110	500-2.10.2	Rehabilitate Existing Manhole	\$	\$

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension	
33	993	EA	237110	500-1.6.2.6	Service Lateral Connection & Sealing	\$	\$	
34	1	LS	237110	701-13.9.5	Water Pollution Control Program Implementation	 	\$	
35	1	LS	541330	701-13.9.5	Water Pollution Control Program Development	 	\$	
36	1	LS	237110	704-4	Sewage Bypass and Pumping Plan (Diversion Plan)	 	\$	
ESTIMATED TOTAL BASE BID:							\$	\$