

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline & Trenchless Corp.

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Phone No. (619) 533-3449, Fax No. (619) 533-3633

M.Oriqat / R.Bustamante / ls

CONTRACT DOCUMENTS

ORIGINAL



FOR

PIPELINE REHABILITATION AA-1

VOLUME 1 OF 2

BID NO.: K-15-1243-DBB-3

SAP NO. (WBS/IO/CC): B-13217

CLIENT DEPARTMENT: 2011

COUNCIL DISTRICT: 7

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

MARCH 6, 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:

Carl E. Spier 1-26-15 Seal
For City Engineer Date



DESCRIPTION	PAGE NUMBER
1. NOTICE INVITING BIDS.....	4
2. CONTRACT FORMS AGREEMENT:	
1. Contract Forms.....	17
3. CONTRACT FORMS ATTACHMENTS:	
1. Performance Bond and Labor and Materialmen's Bond.....	20
2. Drug-Free Workplace.....	22
3. American with Disabilities Act (ADA) Compliance Certification	23
4. Contractor Standards - Pledge of Compliance Certificate	24
5. Affidavit of Disposal Certificate	25
4. ATTACHMENTS:	
A. SCOPE OF WORK	27
B. PHASED FUNDING PROVISIONS.....	29
C. EQUAL OPPORTUNITY CONTRACTING PROGRAM	32
D. INTENTIONALLY LEFT BLANK.....	36
E. SUPPLEMENTARY SPECIAL PROVISIONS	37
SUPPLEMENTARY SPECIAL PROVISIONS APPENDICES:	
1. Appendix A - Notice of Exemption	63
2. Appendix B - Fire Hydrant Meter Program	66
3. Appendix C - Materials Typically Accepted by Certificate of Compliance	80
4. Appendix D - Sample City Invoice	82
5. Appendix E - Location Maps	84
6. Appendix F - Index Maps.....	87
7. Appendix G - Exhibit Sheets.....	92
8. Appendix H - Adjacent Projects.....	123
9. Appendix I - Sewer Mains Table	127
10. Appendix J - Sewer Manholes Table	134
11. Appendix K - Sewer Mains, Manholes, and Laterals Rehabilitation Sample Data Templates.....	138
F. INTENTIONALLY LEFT BLANK.....	142

CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracts at the location, time, and date shown on the cover of these specifications for performing work for performing work on **Pipeline Rehabilitation AA-1** (Project).
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. **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	6.1%
2. ELBE participation	16.2%
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 will 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.

5. PRE-BID MEETING:

- 5.1.** 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 AM, on FEBRUARY 12, 2015.**

- 5.2.** All potential bidders are encouraged to attend.

- 5.3.** 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.

6. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

- 6.1.** 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, BidsOnline™ hosted by PlanetBids System. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.

- 6.2.** 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.

- 7. 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.

- 8. 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.

- 8.1. 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.

8.1.1. 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.

8.1.2. 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.

8.2. 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.

8.3. 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.

8.3.1. 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.

8.4. 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.

- 8.5. 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.
- 8.6. 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.
- 8.7. 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.”
- 8.8. 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.
- 8.9. 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.
- 8.9.1.** 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.

9. INSURANCE REQUIREMENTS:

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

10. PREQUALIFICATION OF CONTRACTORS:

- 10.1.** 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 prequalification questionnaires are available at:

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

- 10.2.** The completed questionnaire, financial statement, and bond letter or a copy of the contractor's SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Contracts, Prequalification Program, 1010 Second Avenue 14th Floor, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.

- 11. 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
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		

12. **CITY'S RESPONSES AND ADDENDA:** The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX 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 the form provided for this purpose in the Bid.
13. **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.
14. **CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2.
15. **SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
16. **AWARD PROCESS:**
 - 16.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
 - 16.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
 - 16.3. This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
17. **SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
18. **AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
19. **SUBMISSION OF QUESTIONS:**
 - 19.1. 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.

- 19.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 19.3. Clarifications deemed by the City to be material shall be issued by Addenda and uploaded to the City's online bidding service.
- 19.4. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will 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.
- 20. **ELIGIBLE BIDDERS:** 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.
- 21. **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 with the Notice Inviting Bids and Contract forms.
- 22. **PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
 - 22.1. Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
 - 22.2. The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
 - 22.3. Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
 - 22.4. Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.

23. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):

- 23.1.** 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% total bid amount.
- 23.2.** 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.
- 23.3.** 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.
- 23.4.** A Bid received without the specified bid security may be rejected as **non-responsive**.

24. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 24.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 24.2.** Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 24.3.** 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.
- 24.4.** 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.
- 24.5.** A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracts no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsive in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award".
- 24.6.** 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.
- 24.7.** 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.

- 24.8. 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, at its discretion that will be disclosed in the Volume 2 of 2.

25. BID RESULTS:

- 25.1. The Bid opening by the City 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 public announcement will be posted in the City's web page <http://www.sandiego.gov/cip/index.shtml>, with the name of the newly designated Apparent Low Bidder.
- 25.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

26. THE CONTRACT:

- 26.1. 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.
- 26.2. 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.
- 26.3. 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.
- 26.4. 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.
- 26.5. 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. 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.

27. **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.
28. **CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 28.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 28.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 28.3. The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 28.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 28.5. 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.
- 28.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 28.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
29. **PRE-AWARD ACTIVITIES:**
- 29.1. The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in "Required Documents," of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.
- 29.2. If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.
30. **PHASED FUNDING:**
- For additional Phased Funding Provisions, see Attachment B.

31. REQUIRED DOCUMENT SCHEDULE:

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

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

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

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 3 WORKING DAYS OF BID OPENING	ALL BIDDERS	SLBE Good Faith Efforts Documentation
9.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA60 – List of Work Made Available
10.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
11.	WITHIN 5 WORKING DAYS OF THE BID OPENING DATE	LOW BIDDER	Contractor's Experience and Past Project Documentation. See Section 500
12.	WITHIN 5 WORKING DAYS OF THE BID OPENING DATE	LOW BIDDER	<ul style="list-style-type: none">Manufacturer Certification per Section 500-1.1.2.1

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Phased Funding Schedule Agreement (when required)
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Pre-Award Schedule (Phased Funded Contracts Only)
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Agreement
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
20.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
21.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
22.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act
23.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractors Standards - Pledge of Compliance

CONTRACT FORMS

AGREEMENT

CONTRACT FORMS

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Southwest Pipeline & Trenchless Corp., herein called "Contractor" for construction of **Pipeline Rehabilitation AA-1**; Bid No **K-15-1243-DBB-3**, in the amount of Four Million Two Hundred Eighteen Thousand Four Hundred Ninety-Seven Dollars and Seventy-Five Cents (\$4,218,497.75), which is comprised of the Base Bid only.

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 Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) That certain documents entitled **Pipeline Rehabilitation AA-1**, on file in the office of the Public Works Department as Document No. **B-13217**, 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 AA-1**; Bid No **K-15-1243-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 FORMS (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

Print Name: Stephen Samara
Principal Contract Specialist (Acting), Public Works

Date: 5-8-15

By Pedro De Lara, Jr.

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

Date: 5/8/15

CONTRACTOR

By SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Print Name: Justin P. Duchaineau
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Title: _____

Date: 4-9-2015

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

CONTRACT FORMS ATTACHMENTS

CONTRACT FORMS ATTACHMENTS
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southwest Pipeline and Trenchless Corp., a corporation, as principal, and Liberty Mutual Insurance Company, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Four Million Two Hundred Eighteen Thousand Four Hundred Ninety-Seven Dollars and Seventy-Five Cents (\$4,218,497.75) for the faithful performance of the annexed contract, and in the sum of Four Million Two Hundred Eighteen Thousand Four Hundred Ninety-Seven Dollars and Seventy-Five Cents (\$4,218,497.75) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract **Pipeline Rehabilitation AA-1**, Bid Number **K-15-1243-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 1 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.

CONTRACT FORMS ATTACHMENTS (continued)
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

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

Dated April 7, 2015

Approved as to Form

Southwest Pipeline and Trenchless Corp.
Principal

By

JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
Printed Name SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Jan I. Goldsmith, City Attorney

By Jan I. Goldsmith, Jr.
Deputy City Attorney

Liberty Mutual Insurance Company

Surety
By Noemi Quiroz
Noemi Quiroz, Attorney-in-fact

Approved:

By Stephen Samara

Print Name: Stephen Samara
Principal Contract Specialist (Acting), Public Works

790 The City Drive, Suite 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(714) 634-5720

Local Telephone No. of Surety


Premium \$ 31,716.00


Bond No. 024061851

Civil Code § 1189

State of California)
) ss
County of Los Angeles)

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


 MARIA FENA
 COMM. # 2048006
 NOTARY PUBLIC, CALIFORNIA
 LOS ANGELES COUNTY
 My Comm. Expires May 12, 2013

Signature: 
Maria Pena, 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: 024061851

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
COUNTY OF MONTGOMERY

ss

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 7th day of April, 2015.



By:

Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

PROJECT TITLE: Pipeline Rehabilitation AA-1

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;

(Name under which business is conducted)

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.

Signed 

Printed Name _____

**JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.**

Title _____

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Pipeline Rehabilitation AA-1

I declare under penalty of perjury that I am authorized to make this certification on behalf of Southwest Pipeline, as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 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 § 22.3224.

Dated this 9TH Day of April, 2015.

Signed

Printed Name

JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Title

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: Pipeline Rehabilitation AA-1

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;

SOUTHWEST PIPELINE AND

TRENCHLESS CORP.

(Name under which business is conducted)

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.

Signed 

Printed Name

JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Title

AFFIDAVIT OF DISPOSAL

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 AA-1

(Name of Project)

as particularly described in said contract and identified as Bid No **K-15-1243-DBB-3**; SAP No. (WBS/IO/CC) **B-13217** 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

ATTACHMENTS

ATTACHMENT A

SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The proposed scope of work for this project is approximately 8.11 miles of existing VC sewer mains which have been identified as candidates for rehabilitation per Public Utilities Department's standards. The project includes point repairs, manhole replacement, manhole rehabilitation, sewer main cleanouts, assessment of wall sewer laterals by CCTV, and rehabilitation of existing sewer laterals and installation of cleanouts at property line, if needed.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Exhibit Sheet No. **01** through Sheet No. **30**, inclusive.
2. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$6,428,000**.
3. **LOCATION OF WORK:** See Appendix E – Location Maps.
4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **320 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

- 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-15-1243-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AA-1

CONTRACTOR: Southwest Pipeline & Trenchless Corp.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
I	Work to be completed shall include the rehabilitation of sewer mains, point repairs, manhole replacement, manhole rehabilitation, sewer main and sewer lateral cleanouts, sewer connections, and rehabilitation of existing sewer laterals.	Notice To Proceed	September 30, 2015	\$1,500,000.00 <i>Sewer:</i> <i>\$1,500,000.00</i>
II	Work to be completed shall include the rehabilitation of sewer mains, point repairs, manhole replacement, manhole rehabilitation, sewer main and sewer lateral cleanouts, sewer connections, and rehabilitation of existing sewer laterals.	October 01, 2015	August 03, 2016	\$2,718,497.75 <i>Sewer:</i> <i>\$2,718,497.75</i>
Total				\$4,218,497.75

Notes:

- (1) City Supplement 9-3.6, "PHASED FUNDING COMPENSATION" applies.
- (2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- (3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by a written modification to the CONTRACT.

CITY OF SAN DIEGO

By: 

Name: Mahmoud Oriqat
Project Manager

Department Name: Public Works Department

Date: April 1st, 2015

CONTRACTOR

By: 

Name: JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Title: President and CEO

Date: 4-9-2015

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

ATTACHMENT C
EQUAL OPPORTUNITY CONTRACTING PROGRAM

EQUAL OPPORTUNITY CONTRACTING PROGRAM

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. The self performance percentage requirement will be waived for contracts when a “B” License is required or allowed.

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

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

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

The Product Submittal Form is available for download at:

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

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

Other adjacent City project(s) is (are) scheduled for construction for the same time period in the vicinity of Pipeline Rehabilitation AA-1. See Adjacent Projects in the Contract Appendix for approximate location(s) and to coordinate the Work with the adjacent project(s).

SECTION 3 – CHANGES IN WORK

3-2.2.1 General. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

Unit Bid prices for additional bedding, imported backfill, shoring, water services, house connection sewer, abandoned water services (i.e., water stiff), and water pollution control items, point repair for existing sewer main, additional point repair for existing sewer main, sewer lateral connection, and existing sewer lateral lining, point repair for existing sewer lateral lining and additional point repair for existing sewer lateral lining must not be subject to adjustment regardless of quantity used or if none is used.

SECTION 4 - CONTROL OF MATERIALS

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. The contractor shall complete all sewer main rehabilitation within **200 Working Days** from the Notice to Proceed (NTP) date.

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.

7-3.3 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.

7-3.6 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 the Contractor 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 the Contractor to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. The Contractor will perform the community outreach activities required throughout the Contract Time.
3. The Contractor shall closely coordinate the Work with the businesses, institutions, residents and property owners impacted by the Project. Example duties of the Contractor include notification to the businesses, institutions and residents of the commencement of construction activities not less than 5 days in advance, coordination of access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project, reporting of Contractor activities at all Project progress meetings scheduled by the Engineer, attendance to the Project Pre-construction Meeting, attendance at 2 community meetings, response to community questions and complaints related to Contractor activities, and written documentation including logging in all inquiries and complaints received into the City's Public Contact Log located on the City's SDShare site:

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

4. The Contractor shall execute the Information Security Policy Acknowledgement Form - For Non-City Employees within 15 days of the award of the Contract if:
 - a) The contact information for the Contractor is made available on any outreach materials or;

- b) The Contractor 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 SDSHare 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 SDSHare site within 24 hours.

Copies of email communications shall be saved on to the City's SDSHare site as individually 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.
- 6. **When specified**, present your Exclusive Community Liaison to the Engineer, in writing, within 15 days of the award of the Contract.

7-16.2

Submittals.

- 1. The Contractor 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, the Contractor 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.
 - b. After distributing or mailing, the Contractor shall submit verification of delivery and any copies of returned notices to the Resident Engineer.
- 2. The Contractor will use the City's SDSHare site to identify and summarize communications (via phone, in person, and email) with the public the within 24 hours of receipt, even if the Contractor's response to the individual is still incomplete. The Contractor will upload to the City's SDSHare site copies of all written, electronic, and verbal communications and conversations with the public.

7-16.2.2

Weekly Updates Recipients. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:

Carl Spier, Senior Engineer, cspier@san diego.gov

Mahmoud Oriqat, Project Manager, moriqat@san diego.gov

Farlito Valenzuela, Project Engineer, fvalenzuela@san diego.gov

Resident Engineer, TBA, XXX@san diego.gov

7-16.3 Public Notice by Contractor.

1. 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 where Work is to be performed at least 5 days before starting the Work as directed by the Resident Engineer.
2. 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.

7-16.4 Quality Assurance.

1. During the course of community outreach, the Contractor shall ensure the character of all persons that conduct community outreach (distributing door hangers, attending community meetings, interacting with the public, etc.), on behalf of the Contractor:
 - 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 an employee of the Contractor,
 - c. Have the interpersonal skills to effectively, professionally, and tactfully represent the project, Contractor, and City to the public.

7-16.5 Communications with the Public.

1. The Contractor shall provide updates on construction impacts to the Resident Engineer. The Contractor 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.
2. The Contractor 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.
3. At the request of the Resident Engineer, the Contractor shall attend and participate in project briefings at community meetings.
4. The Contractor 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.

7-16.6 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), the Contractor 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. The Contractor 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, the Contractor shall allow the City to escort the media representatives while they are on the construction site and shall ensure their safety.
6. The Contractor shall require media representatives to sign in and out of the Site Visitor Log and to use Personal Protective Equipment.
7. The Contractor has a right to speak to members of the media about its company and its role on the project. All other questions shall be referred to the City.

7-16.7

Exclusive Community Liaison Services. If directed to conduct Exclusive Community Liaison Services, the Contractor shall retain an Exclusive Community Liaison for the Project whose sole responsibilities will be as follows:

1. Develop a contact list of community, tenants, property owners, and agencies with a stake in the project.
2. Notify businesses, institutions, property owners, and residents of the commencement of construction activities and utility service interruptions not less than 5 days in advance.
3. Coordinate access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project.
4. Prepare and present of materials in coordination with the Resident Engineer (the City's standards and guidelines for the communication materials are available for review by Bidders by sending a request to the Contract Specialist).
5. Respond to community questions and complaints related to Contractor activities.
6. Write, edit, update, or produce brochures, pamphlets and news releases.
7. Provide standard telephone inquiries and e-mail responses:
 - a) Respond to telephone calls and e-mails from the public.
 - b) Record calls and e-mails on the City's SDSShare site.

8. Report Exclusive Community Liaison activities at all progress meetings scheduled by the Resident Engineer.

9. Attendance at pre-construction, community and stakeholders meetings.

7-16.7.1 Exclusive Community Liaison Work Plan. The Work plan for the Exclusive Community Liaison shall address the items of Work specified in these specifications. Present your Exclusive Community Liaison and submit your exclusive community outreach plan (in writing) **as specified** within 15 days of the Award of the Contract.

7-16.8 Payment. The Payment for the community outreach and public notices is included in the various Bid items. The payment for exclusive community liaison is in the bid item for "Exclusive Community Liaison Services."

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
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 300 – EARTHWORK

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

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

SECTION 302 – ROADWAY SURFACING

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

302-3 PREPARATORY REPAIR WORK.

1. Prior to 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.
- 306-20.8 Carrier Pipe.** To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:
- Carrier pipe materials shall be approved by the Engineer. The Contractor shall use only HDPE. The Contractor shall furnish and install a structurally sound, leak-proof, fusible high density polyethelene pipe, for all piping identified for installation by horizontal directional drilling. The Contractor shall be responsible for the sizing of the carrier pipe to withstand all installation forces, curvature, and residual forces and final in place loading. The selected material shall have an inside diameter no less than stated on the drawings. Individual pipe lengths shall be assembled by butt-fusion unless otherwise specified.
- 306-22 PIPE FUSION.** 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 of the Bid opening date, the three apparent low bidders shall submit the following:
- Contractor’s Experience; past project documentation
 - Manufacturer Certification
 - Authorize Installer Certificates
- 500-1.1.5 Video Inspection.** To the City Supplement, 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) The payment for the installation of a sewer cleanout at the access point and televising of the service laterals shall be included in the following Bid items:

Service Lateral Lining with Cleanout Up to 7 Feet in Depth
Service Lateral Lining with Cleanout Greater than 7 Feet in Depth

- c) 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 700 – EXTENDED REVEGETATION, MAINTENANCE, AND MONITORING

700-1.7.2 Project Biologist. To the City Supplement, ADD the following:

The City will retain a qualified Project Biologist to perform biological monitoring work for this contract. You must coordinate your activities and Schedule with the activities and schedules of the Biologist Monitor.

SECTION 703 – ENCOUNTERING OR RELEASING HAZARDOUS SUBSTANCES

703-20 PAYMENT. To the City Supplement, Item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Payment for waste management shall be included in the applicable Bid items as follows:
 - a) Preparation of Hazardous Waste Management Plan and Reporting (LS).
 - b) Monitoring, Testing, Sampling, Site Storage, and Handling of Soils Containing RCRA Hazardous Waste (TON).
 - c) Loading, Transportation, and Disposal of soils containing RCRA Hazardous Waste (TON).
 - d) Monitoring of Petroleum Contaminated Soil (HR).
 - e) Testing, Sampling, Site Storage and Handling of Petroleum Contaminated Soil (TON).
 - f) Loading, Transportation, and Disposal of Petroleum Contaminated Soil (TON).
 - g) Monitoring, Testing, Sampling Site Storage and Handling of Soils Containing Non-RCRA Hazardous Waste (TON).
 - h) Loading, Transportation, and Disposal of Soils Containing Non-RCRA Hazardous Waste (TON).
 - i) Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Containerized RCRA Hazardous Waste (55 Gal DRUMS).
 - j) Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Containerized Non-RCRA Hazardous Waste (55 Gal DRUMS).
 - k) Testing, Sampling, Site Storage, Handling, Transportation and Recycling/Disposal of Universal Waste (EACH).
 - l) Testing, Sampling, Site Storage, Handling, Transportation and Recycling/Disposal of Regulated Waste (TON).

- m) Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of RCRA Hazardous Waste contamination from the treatment of contaminated ground water (GAL).
- n) Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Non-RCRA Hazardous Waste contamination from the treatment of contaminated ground water (GAL).

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 a **Notice of Exemption for Pipeline Rehabilitation AA-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: ☒ RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422
☐ OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

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

PROJECT NO.: WBS# B-13217.02.06

PROJECT TITLE: PIPELINE REHABILITATION AA-1

PROJECT LOCATION-SPECIFIC: The project would occur in two geographically separate areas of the city:

1) In the developed public right-of-way along Esmeralda South Drive, Cariuto Court, Fino Drive, Escobar Drive, La Cuenta Drive, Carbet Place, extending past the Carbet Place cul-de-sac and into a condominium complex, and along various alleys in the area bound by Clairemont Mesa Blvd. on the north, La Cuenta Drive on the east, Tierrasanta Blvd on the south and Santo Road on the west. This portion of the project is located in the Tierrasanta community plan area in Council District 7.

2) In the developed public right-of-way along Glacier Avenue, Vandever Avenue, Holabird Street, Waterfall Place, Delbarton Street, Elsa Road, Fenimore Way, Estrella Avenue, Zion Avenue, (cutting corner between Estrella and Zion Avenue at the De Anza Elementary and Pre-School, Winona Avenue, Havenwood Avenue, Leicester Street, Leicester Way, Fontaine Street, Romford Court, Keighley Street, Keighley Court, Del Cerro Blvd, Trinity Way, Malvern Court, Lancaster Drive, Lomond Drive, Henly Drive, Adobe Falls Road, Adobe Falls Place, Genoa Drive, Helena Place, Arno Drive, Capri Drive, Lambda Drive, Rockhurst Drive, Chrismark Avenue, Wenrich Drive, Arboles Street, Snowbond Street, Snowbond Court, Eldergardens Street, Lance Way, Lance Court, Wenrich Place; and in backyards between Del Cerro Boulevard and Capri Drive, between 5891 Del Cerro Boulevard and 5882 Adobe Falls Road, between 6002 Fenimore Way and 4850 Waring Road, and between 5401 Del Cerro Boulevard and 5360 Adobe Falls Road. This portion of the project is located in the Navajo community plan area, in Council District 7.

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

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: This project would use trenchless technology to rehabilitate 8.11 miles of existing 8-inch and 10-inch deteriorated sewer mains. It would also include point repairs to sewer mains that are beyond rehabilitation, reconnection of service laterals, the installation of cleanouts, and the replacement, rehabilitation and repair of manholes. The rehabilitation would be performed by pulling linings through the pipelines between manholes and then sealing the linings to the interior surfaces with heated air. The point repairs would consist of digging up and removing bad sections of existing pipe and replacing them with new pipe prior to rehabilitation between the manholes. No undisturbed soils would be affected by this project. The following three portions of the project are the only portions that would occur outside of urban developed lands: 1) point repairs and rehabilitation between 5891 Del Cerro Boulevard and 5882 Adobe Falls Road for work on and between manholes 155, 157, and 73; 2) rehabilitation between 5401 Del Cerro Boulevard and 5360 Adobe Falls Road for work on and between manholes 19, 20, and 21; and 3) rehabilitation between 6002 Fenimore Way and 4850 Waring Road for work on and between manholes 117 and 118. Access to these three portions would occur on the existing footpaths or in disturbed patches with no sensitive vegetation, as verified by a biologist or city staff. For any work that occurs in these three sections during the general avian breeding season (which runs from February 1 to September 15), a qualified biologist would conduct a pre-construction nest survey to comply with the Migratory Bird Treaty Act. Construction crews would hand carry their tools to the manholes in the stretches of rehabilitation point repairs that are outside of the paved public right-of-way. This project would not remove any Diegan coastal sage scrub, and no portion of this project is in or adjacent to the MHPA. This project would not result in any impact to sensitive biological resources.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, E&CP Dept/Mahmoud Oriqat, 525 B Street, Suite 750 (MS 908A), San Diego, CA 92101, (619) 533-5232

EXEMPT STATUS: (CHECK ONE)

- ☐ MINISTERIAL (SEC. 21080(b)(1); 15268);
- ☐ DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a);
- ☐ EMERGENCY PROJECT (SEC. 21080(b)(4)
- ☒ CATEGORICAL EXEMPTION: §15301(b) [Existing Facilities] & §15302(c) [Replacement or Reconstruction]
- ☐ STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review and determined the project meets the categorical exemption criteria set forth in the CEQA State Guidelines §15301(B) [EXISTING FACILITIES], which allows for the repair and maintenance of existing public facilities, including publicly owned sewerage utilities, involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination; and §15302(C) [REPLACEMENT OR RECONSTRUCTION], which allows for the replacement or reconstruction of existing utility systems, where the new structure would be located on the same site as the structure replaced and would have substantially the same purpose and capacity as the structure replaced; and where the exceptions listed in CEQA Guidelines §15300.2 would not apply. This project would not impact sensitive resources.

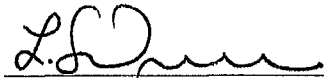
LEAD AGENCY CONTACT PERSON: E. Shearer-Nguyen

TELEPHONE: (619) 446-5369

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



SENIOR PLANNER

SIGNATURE/TITLE

JULY 7, 2014

DATE

CHECK ONE:

(X) SIGNED BY LEAD AGENCY

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	PAGE 4 OF 10	EFFECTIVE DATE
FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)		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	PAGE 5 OF 10	EFFECTIVE DATE
FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)		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	PAGE 9 OF 10	EFFECTIVE DATE
FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)		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	PAGE 10 OF 10	EFFECTIVE DATE
FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)		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 (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	<u>T.B.</u>	<u>G.B. (CITY USE)</u>
Specific Use of Water:		
Any Return to Sewer or Storm Drain, If so, explain:		
Estimated Duration of Meter Use: <input type="text"/>	<input type="checkbox"/>	Check Box if Reclaimed Water

Company Information

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

Materials Typically Accepted by Certificate of Compliance

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

APPENDIX D
SAMPLE CITY INVOICE

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123						Contractor's Name:					
Project Name:						Contractor's Address:					
SAP No. (WBS/IO/CC):											
City Purchase Order No. :						Contractor's Phone #:			Invoice No.		
Resident Engineer (RE):						Contractor's Fax #:			Invoice Date:		
RE Phone#:		RE Fax#:				Contact Name:			Billing Period:		
Item #	Item Description	Contract Authorization				Previous Estimate		This Estimate		Totals to Date	
		Unit	Qty	Price	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1	2 Parallel 4" PVC C900	LF	1,380	\$34.00	\$46,920.00						
2	48" Primary Steel Casing	LF	500	\$1,000.00	\$500,000.00						
3	2 Parallel 12" Secondary Steel	LF	1,120	\$53.00	\$59,360.00						
4	Construction and Rehab of PS 49	LS	1	\$150,000.00	\$150,000.00						
5	Demo	LS	1	\$14,000.00	\$14,000.00						
6	Install 6' High Chain Link Fence	LS	1	\$5,600.00	\$5,600.00						
7	General Site Restoration	LS	1	\$3,700.00	\$3,700.00						
8	10" Gravity Sewer	LF	10	\$292.00	\$2,920.00						
9	4" Blow Off Valves	EA	2	\$9,800.00	\$19,600.00						
10	Bonds	LS	1	\$16,000.00	\$16,000.00						
11	Field Orders	AL	1	\$80,000.00	\$80,000.00						
11.1	Field Order 1	LS	5,500	\$1.00	\$5,500.00						
11.2	Field Order 2	LS	7,500	\$1.00	\$7,500.00						
11.3	Field Order 3	LS	10,000	\$1.00	\$10,000.00						
11.4	Field Order 4	LS	6,500	\$1.00	\$6,500.00						
12	Certified Payroll	LS	1	\$1,400.00	\$1,400.00						
CHANGE ORDERS											
Change Order 1			4,890								
Items 1-4					\$11,250.00						
Item 5-Deduct Bid Item 3		LF	120	-\$53.00	(\$6,360.00)						
Change Order 2			160,480								
Items 1-3					\$95,000.00						
Item 4 Deduct Bid Item 1		LF	380	-\$340.00	(\$12,920.00)						
Item 5-Increase bid Item 9		LF	8	\$9,800.00	\$78,400.00						
Change Order 3 (Close Out)			-121,500								
Item 1 Deduct Bid Item 3			53	-\$500.00	(\$26,500.00)						
Item 2 Deduct Bid Item 4		LS	-1	\$45,000.00	(\$45,000.00)						
Items 3-9			1	-\$50,500.00	(\$50,500.00)						
SUMMARY								Total This	\$ -	Total Billed	\$0.00
A. Original Contract Amount						Retention and/or Escrow Payment Schedule					
B. Approved Change Order 1 Thru 3						Total Retention Required as of this billing					
C. Total Authorized Amount (A+B)						Previous Retention Withheld in PO or in Escrow					
D. Total Billed to Date						Add'l Amt to Withhold in PO/Transfer in Escrow:					
E. Less Total Retention (5% of D)						Amt to Release to Contractor from PO/Escrow:					
F. Less Total Previous Payments											
G. Payment Due Less Retention						Contractor Signature and Date:					
H. Remaining Authorized Amount											

APPENDIX E
LOCATION MAPS

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LOCATION MAP

PIPELINE REHABILITATION AA -1

(Map 1 of 2)

SENIOR ENGINEER
CARL E. SPIER, P.E.
(619)-533-5126

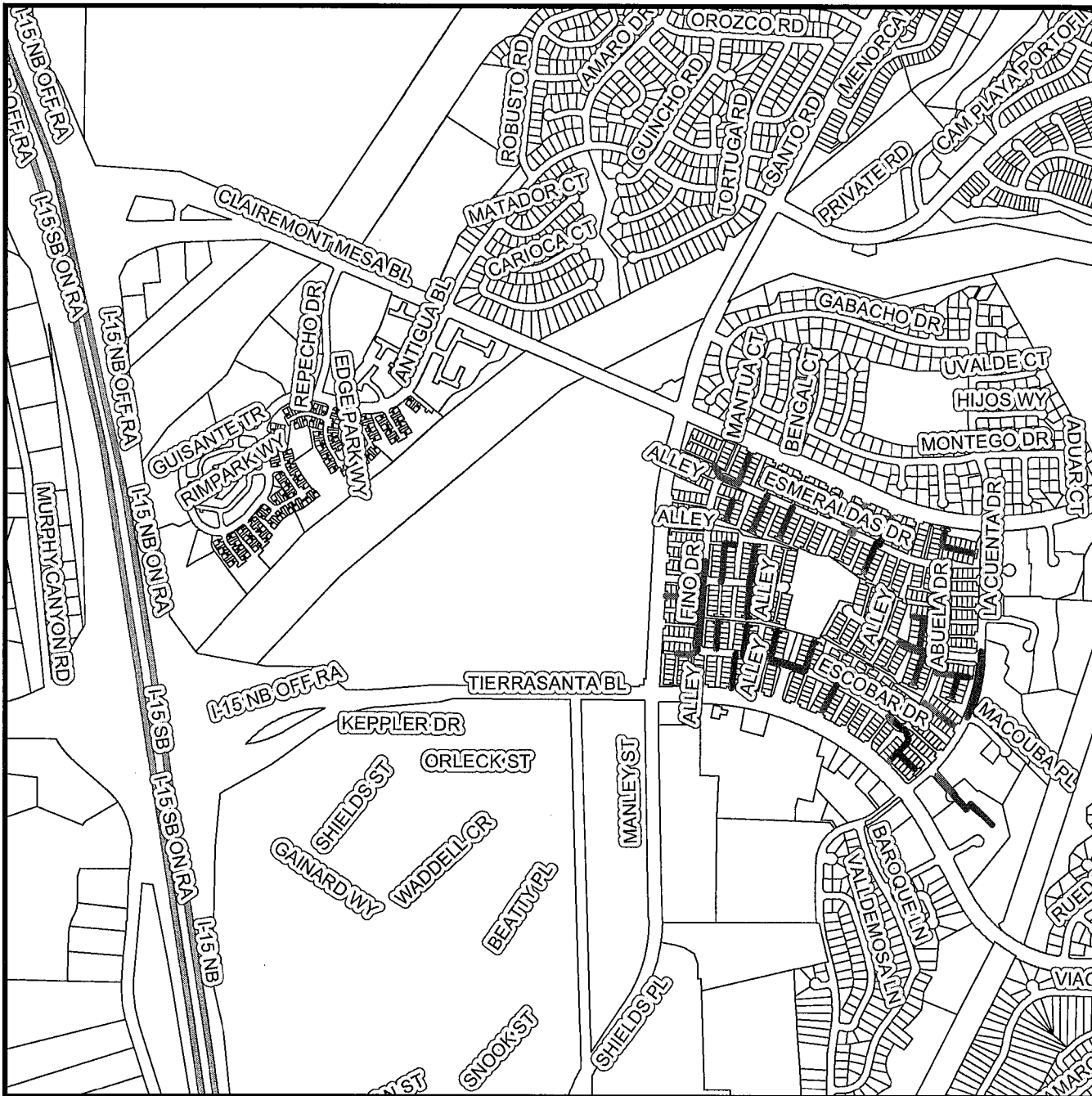
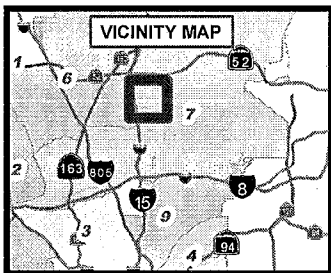
PROJECT ENGINEER
FARLITO VALENZUELA
(619) 235-1947

PROJECT MANAGER
MAHMOUD ORIQAT, P.E.
(619) 533-5232

PUBLIC INFORMATION LINE
(619) 533-4207



RIGHT-OF-WAY DIVISION - SECTION I



Legend

— Pipeline Rehabilitation AA-1

Community Name: Tierrasanta & Navajo



Council District: 7



No Scale

SAP ID# B13217

Date: 09-10-2014

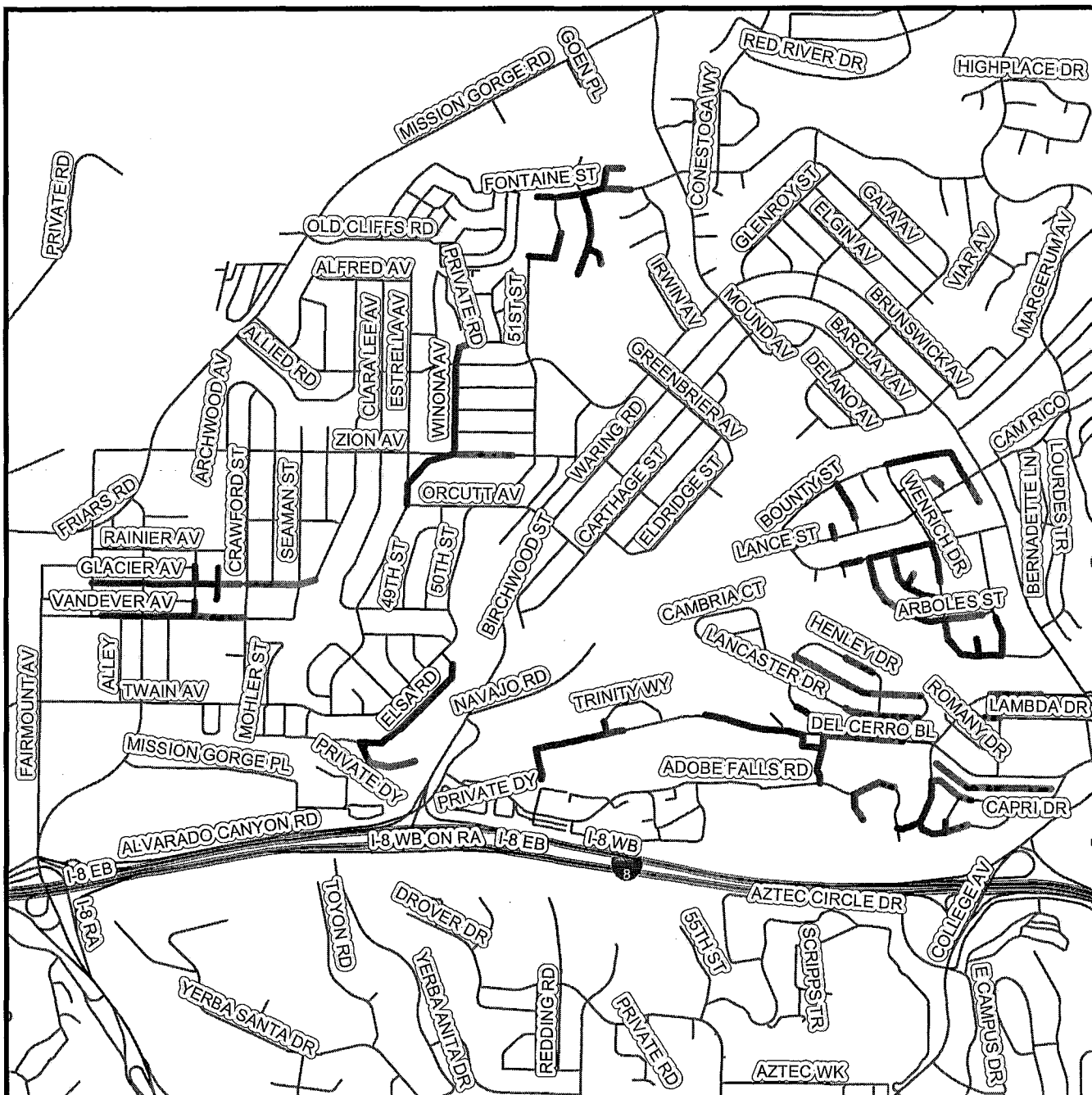
Appendix E - Location Maps
Volume 1 of 2 (Rev. Dec. 2014)

PIPELINE REHABILITATION AA -1

PUBLIC INFORMATION LINE
(619) 533-4207

CITY OF SAN DIEGO
PUBLIC WORKS
DEPARTMENT

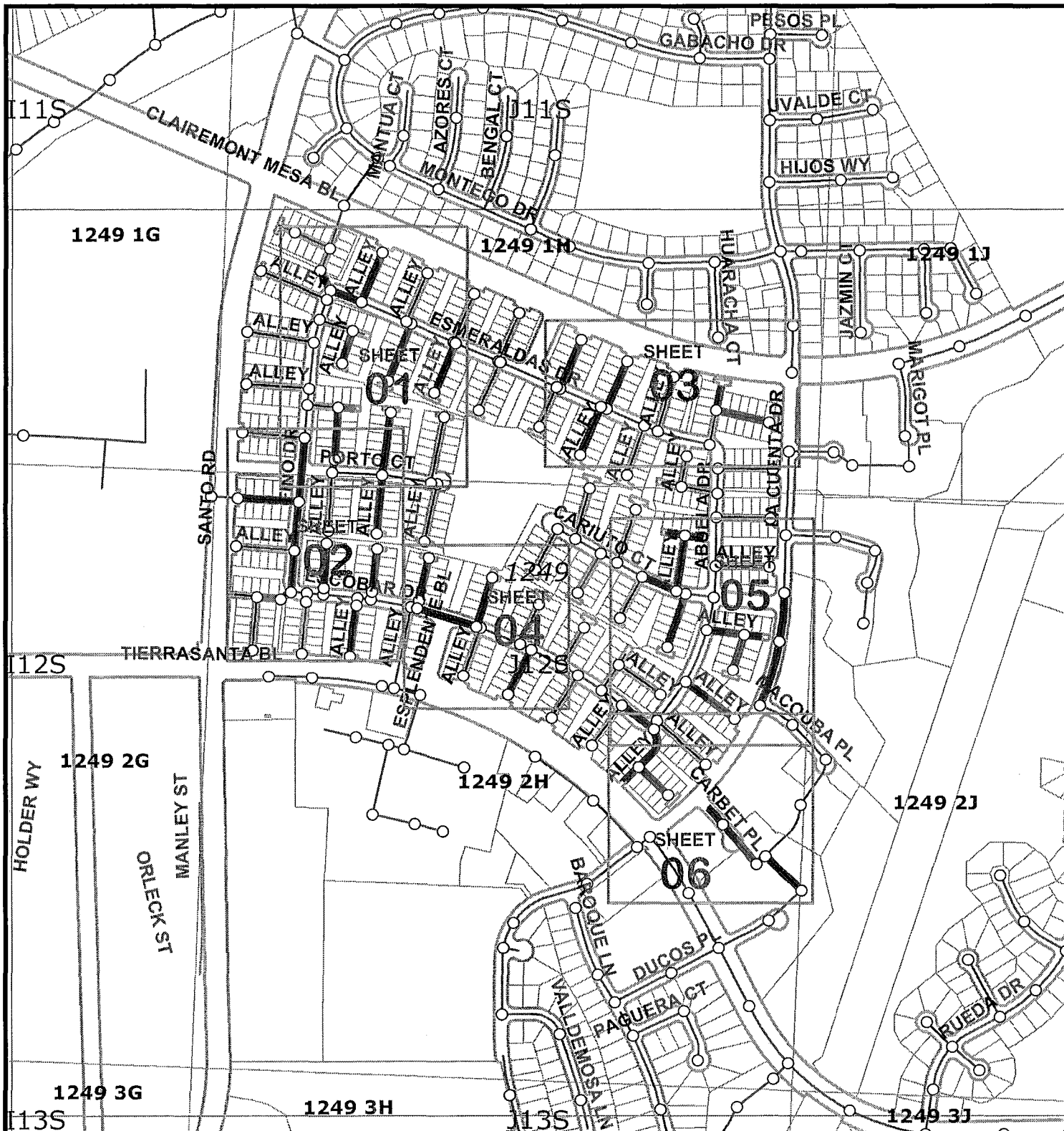
RIGHT-OF-WAY DIVISION - SECTION I



No Scale
SAP ID# B13217

APPENDIX F

INDEX MAPS



CITY OF SAN DIEGO
PUBLIC WORKS
DEPARTMENT

SENIOR ENGINEER:
CARL E. SPIER, P.E.
ASSOCIATE ENGINEER:
MAHMOUD ORIQAT, P.E.
PROJECT ENGINEER:
FARLITO VALENZUELA
DRAFTER:
NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO

COUNCIL DISTRICT: 7

LEGEND:

- 66565 FSN: FACILITY SEQUENCE NUMBER
- 333 MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR

- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE

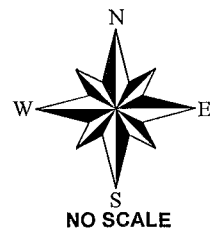
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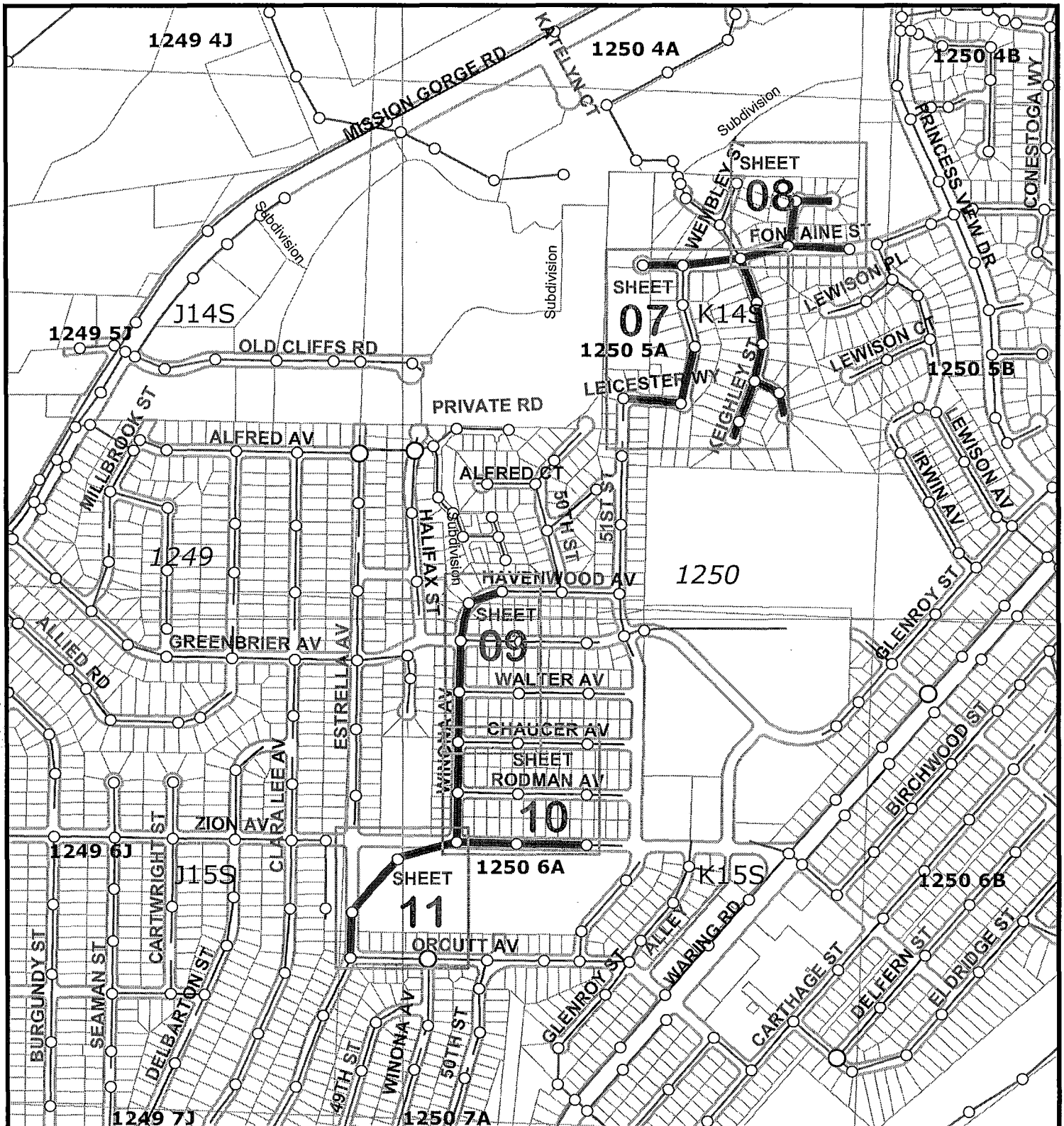
DETAILED MAP SHEET NO.

INDEX MAP - I

WBS: B-13217

Date: 09-10-2014





CITY OF SAN DIEGO
PUBLIC WORKS
DEPARTMENT

SENIOR ENGINEER:
CARL E. SPIER, P.E.
ASSOCIATE ENGINEER:
MAHMOUD ORIQAT, P.E.
PROJECT ENGINEER:
FARLITO VALENZUELA
DRAFTER:
NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7

LEGEND:

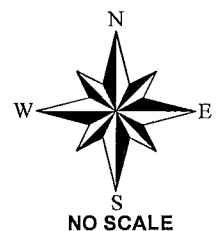
56566 FSN: FACILITY SEQUENCE NUMBER
333 MANHOLE ID
EXISTING MANHOLE & SEWER MAIN
INSTALL NEW CLEANOUT
MANHOLE REPAIR

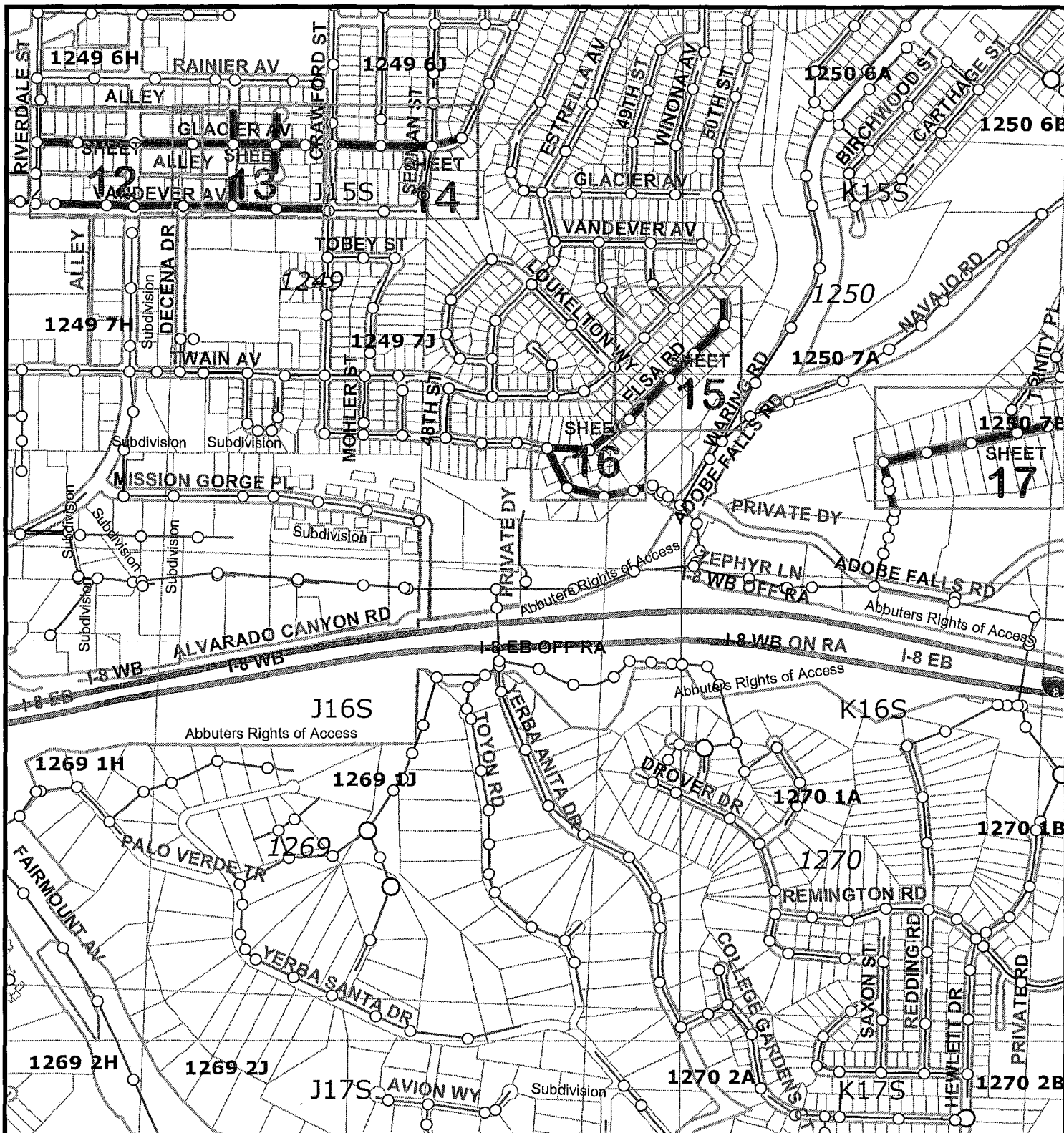
REHAB MANHOLE
REPLACE MANHOLE
REHAB PIPE SEGMENT
POINT REPAIR/REHAB PIPE

SHEET
18
DETAILED MAP SHEET NO.

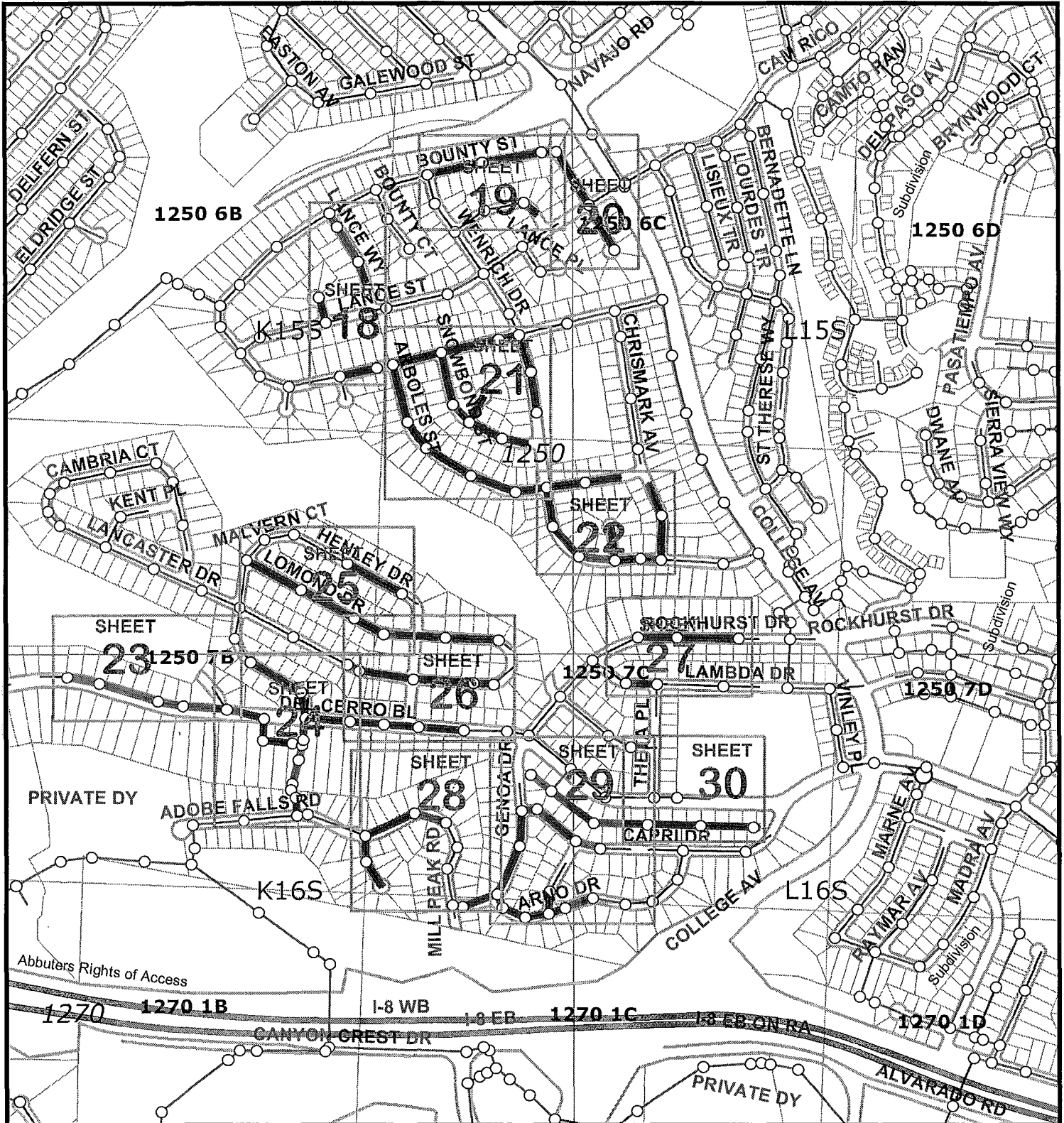
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WBS: B-13217
Date: 09-10-2014



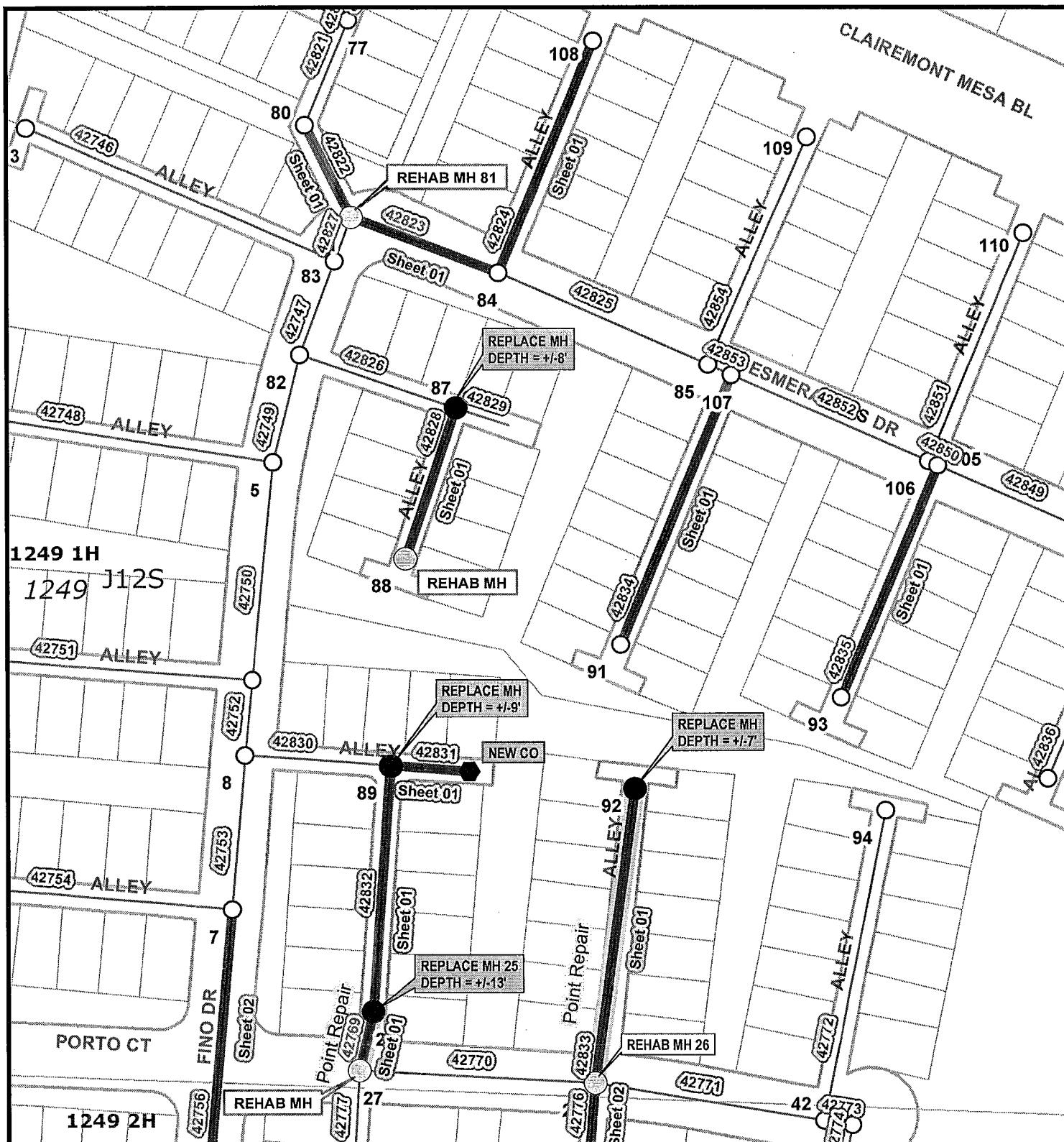


<p>CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT</p>	<h1>PIPELINE REHABILITATION AA-1</h1> <p>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</p>		<p>WBS: B-13217 Date: 09-10-2014</p>																			
<p>SENIOR ENGINEER: CARL E. SPIER, P.E. ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E. PROJECT ENGINEER: FARLITO VALENZUELA DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <table border="0"> <tr> <td></td> <td>FSN: FACILITY SEQUENCE NUMBER</td> <td></td> <td>REHAB MANHOLE</td> </tr> <tr> <td></td> <td>MANHOLE ID</td> <td></td> <td>REPLACE MANHOLE</td> </tr> <tr> <td></td> <td>EXISTING MANHOLE & SEWER MAIN</td> <td></td> <td>REHAB PIPE SEGMENT</td> </tr> <tr> <td></td> <td>INSTALL NEW CLEANOUT</td> <td></td> <td>POINT REPAIR/REHAB PIPE</td> </tr> <tr> <td></td> <td>MANHOLE REPAIR</td> <td></td> <td></td> </tr> </table> <p>INDEX MAP - III</p>		FSN: FACILITY SEQUENCE NUMBER		REHAB MANHOLE		MANHOLE ID		REPLACE MANHOLE		EXISTING MANHOLE & SEWER MAIN		REHAB PIPE SEGMENT		INSTALL NEW CLEANOUT		POINT REPAIR/REHAB PIPE		MANHOLE REPAIR			<p></p> <p>NO SCALE</p>
	FSN: FACILITY SEQUENCE NUMBER		REHAB MANHOLE																			
	MANHOLE ID		REPLACE MANHOLE																			
	EXISTING MANHOLE & SEWER MAIN		REHAB PIPE SEGMENT																			
	INSTALL NEW CLEANOUT		POINT REPAIR/REHAB PIPE																			
	MANHOLE REPAIR																					

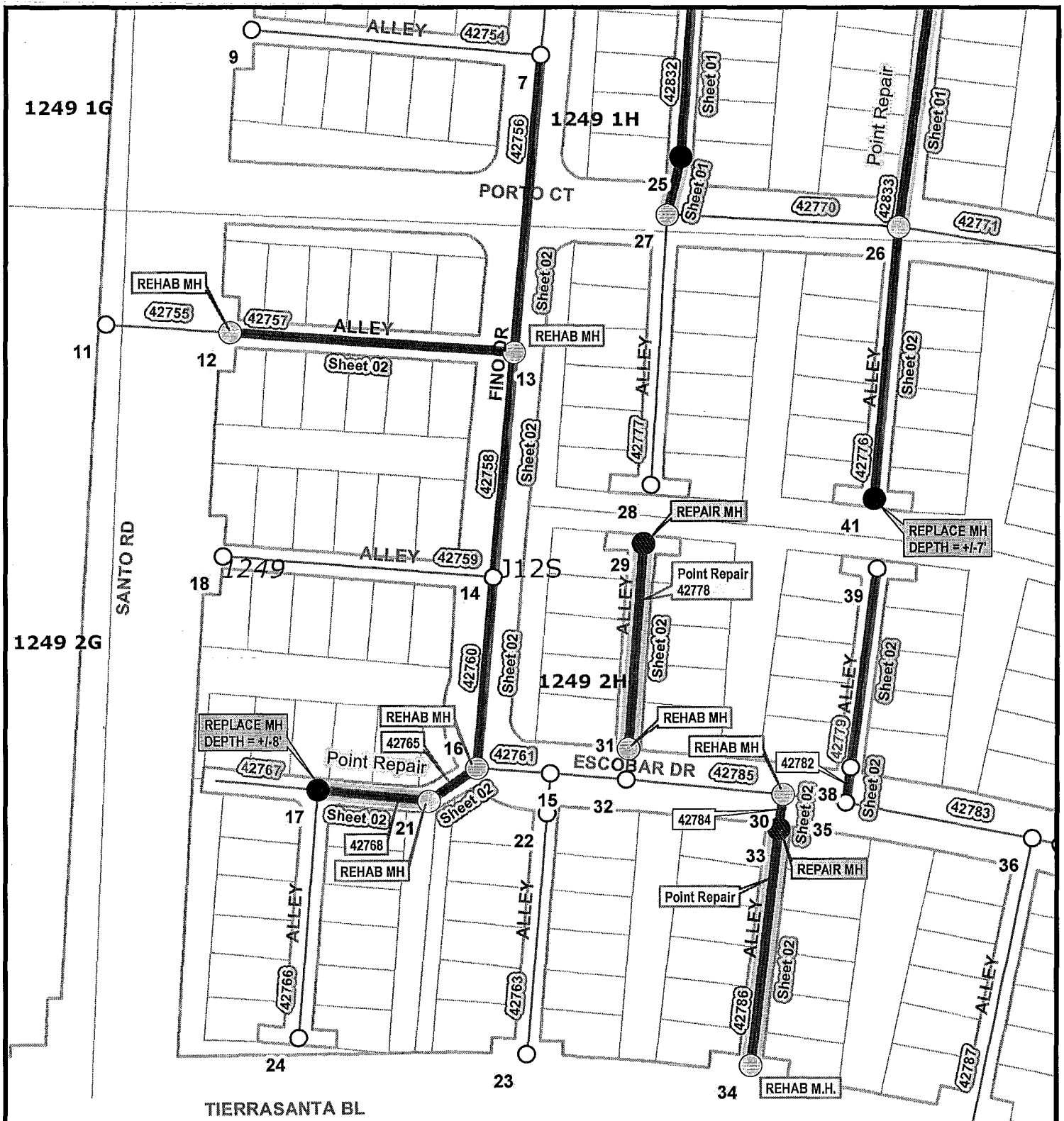


<p>CITY OF SAN DIEGO PUBLICWORKS <small>DEPARTMENT</small></p> <p>SENIOR ENGINEER: CARL E. SPIER, P.E.</p> <p>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</p> <p>PROJECT ENGINEER: FARLITO VALENZUELA</p> <p>DRAFTER: NAPOLEON RIVERA</p>	<h2 style="text-align: center;">PIPELINE REHABILITATION AA-1</h2> <p style="text-align: center;">COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>LEGEND:</p> <p>SHEET 18 DETAILED MAP SHEET NO.</p> <p>66565 FSN: FACILITY SEQUENCE NUMBER</p> <p>333 MANHOLE ID</p> <p>— EXISTING MANHOLE & SEWER MAIN</p> <p>● INSTALL NEW CLEANOUT</p> <p>● MANHOLE REPAIR</p> </div> <div style="width: 30%;"> <p>● REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p> </div> </div> <p style="text-align: center;">INDEX MAP - IV</p>	<p>WBS: B-13217</p> <p>Date: 09-10-2014</p> <div style="text-align: center;"> NO SCALE </div>
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APPENDIX G
EXHIBIT SHEETS



<div><div>CITY OF SAN DIEGO</div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div>PUBLICWORKS</div><div>DEPARTMENT</div></div><div>RIGHT OF WAY DIVISION</div></div></div></div></div>	<div><div>PIPELINE REHABILITATION AA-1</div><div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div><div>COUNCIL DISTRICT: 7</div></div>	<div><div>WBS: B-13217</div><div>Date: 09-10-2014</div></div>
<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLEON RIVERA</div></div>	<div><div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div>56565</div><div>333</div><div><div><div></div><div></div></div></div><div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div></div><div><div><div><div></div><div></div></div><div>REHAB MANHOLE</div></div><div><div><div></div><div></div></div><div>REPLACE MANHOLE</div></div><div><div><div></div><div></div></div><div>REHAB PIPE SEGMENT</div></div><div><div><div></div><div></div></div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div></div></div>	<div><div>Thomas Brothers Page: 1249H1, 1249H2</div><div>Field Book Page: J12S</div></div>
	<div>FSN: 42769,42822,42823,42824,42828,42834,42835,42833,42832,42831</div>	<div>SHEET NO. 01</div>



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7

LEGEND:

<p>56565 333</p> <p>EXISTING MANHOLE & SEWER MAIN</p> <p>INSTALL NEW CLEANOUT</p> <p>MANHOLE REPAIR</p>	<p>REHAB MANHOLE</p> <p>REPLACE MANHOLE</p> <p>REHAB PIPE SEGMENT</p> <p>POINT REPAIR/REHAB PIPE</p>
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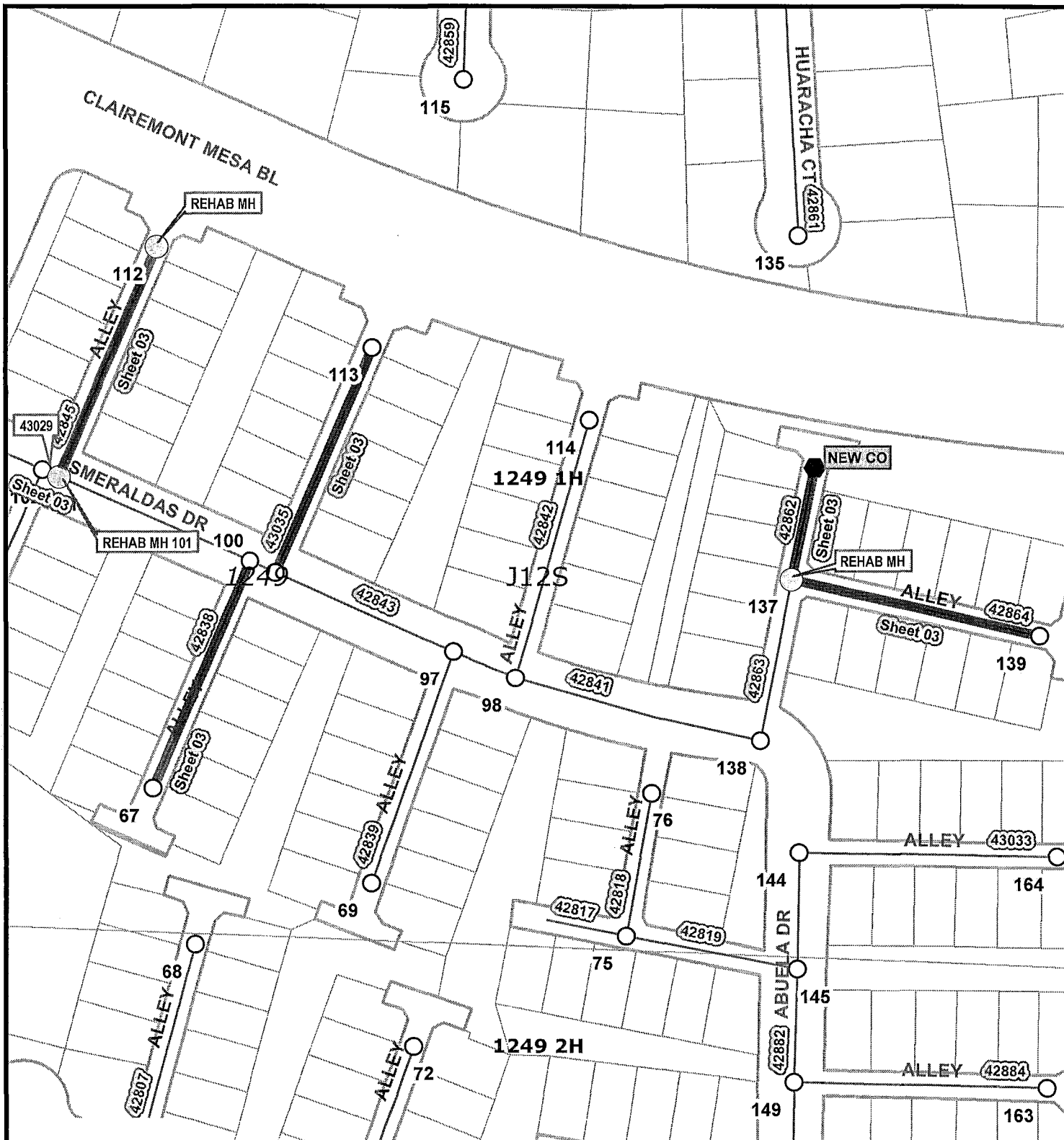
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WBS: B-13217
 Date: 09-10-2014

Thomas Brothers Page:
 1249H1, 1249H2

Field Book Page:
 J12S

SHEET NO. 02



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO

COUNCIL DISTRICT: 7

WBS: B-13217

Date: 09-10-2014

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA



LEGEND:

- (66666)** FSN: FACILITY SEQUENCE NUMBER
- 333** MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR

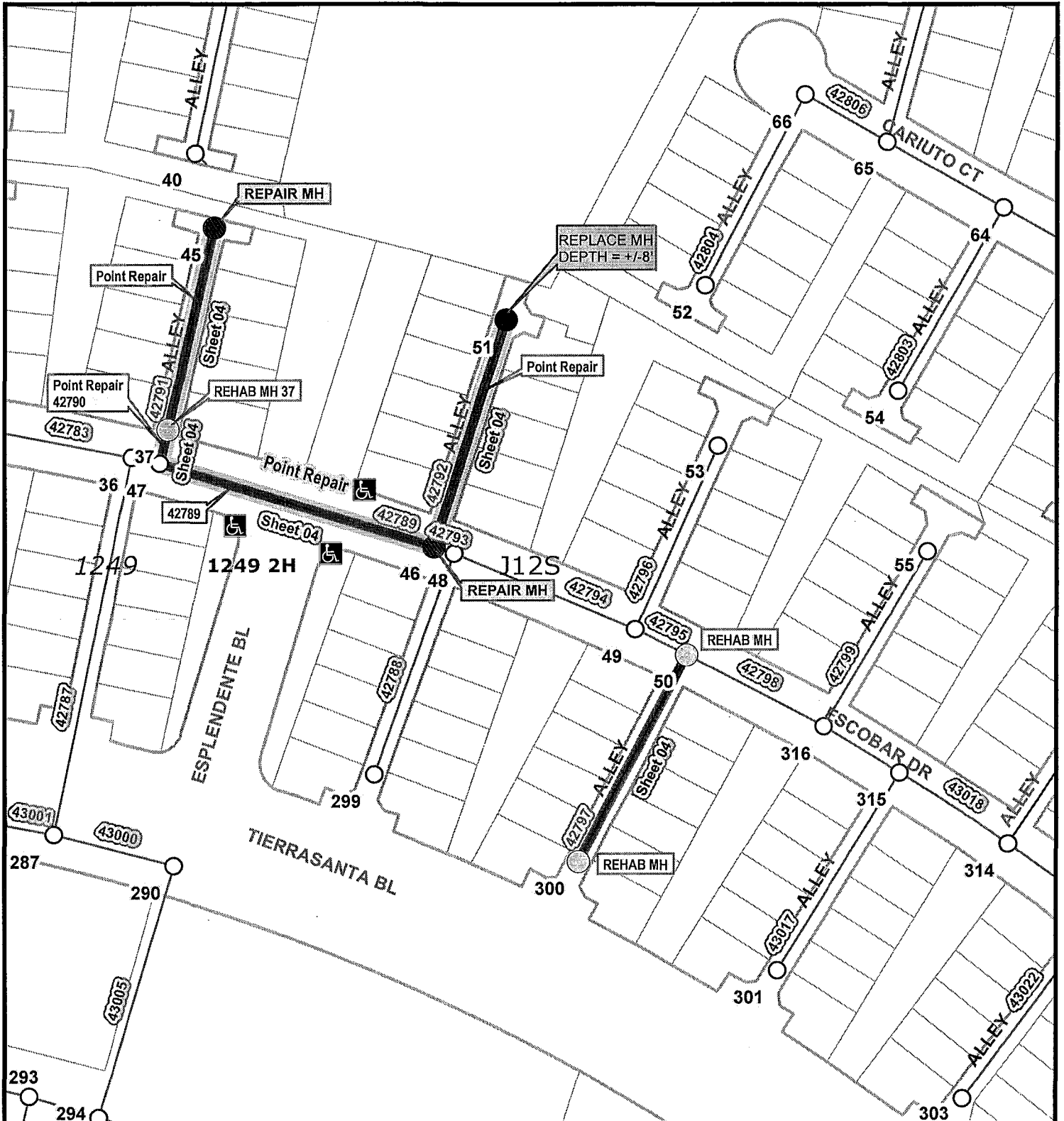
- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE

FSN: 43029,42845,42838,43035,42862,42864

Thomas Brothers Page:
1249H1

Field Book Page:
J12S

SHEET NO. 03



CITY OF SAN DIEGO
PUBLIC WORKS
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 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7

LEGEND:

(56566) FSN: FACILITY SEQUENCE NUMBER

333 MANHOLE ID

— EXISTING MANHOLE & SEWER MAIN

● INSTALL NEW CLEANOUT

● MANHOLE REPAIR

● REHAB MANHOLE

● REPLACE MANHOLE

— REHAB PIPE SEGMENT

— POINT REPAIR/REHAB PIPE

● CURB RAMP

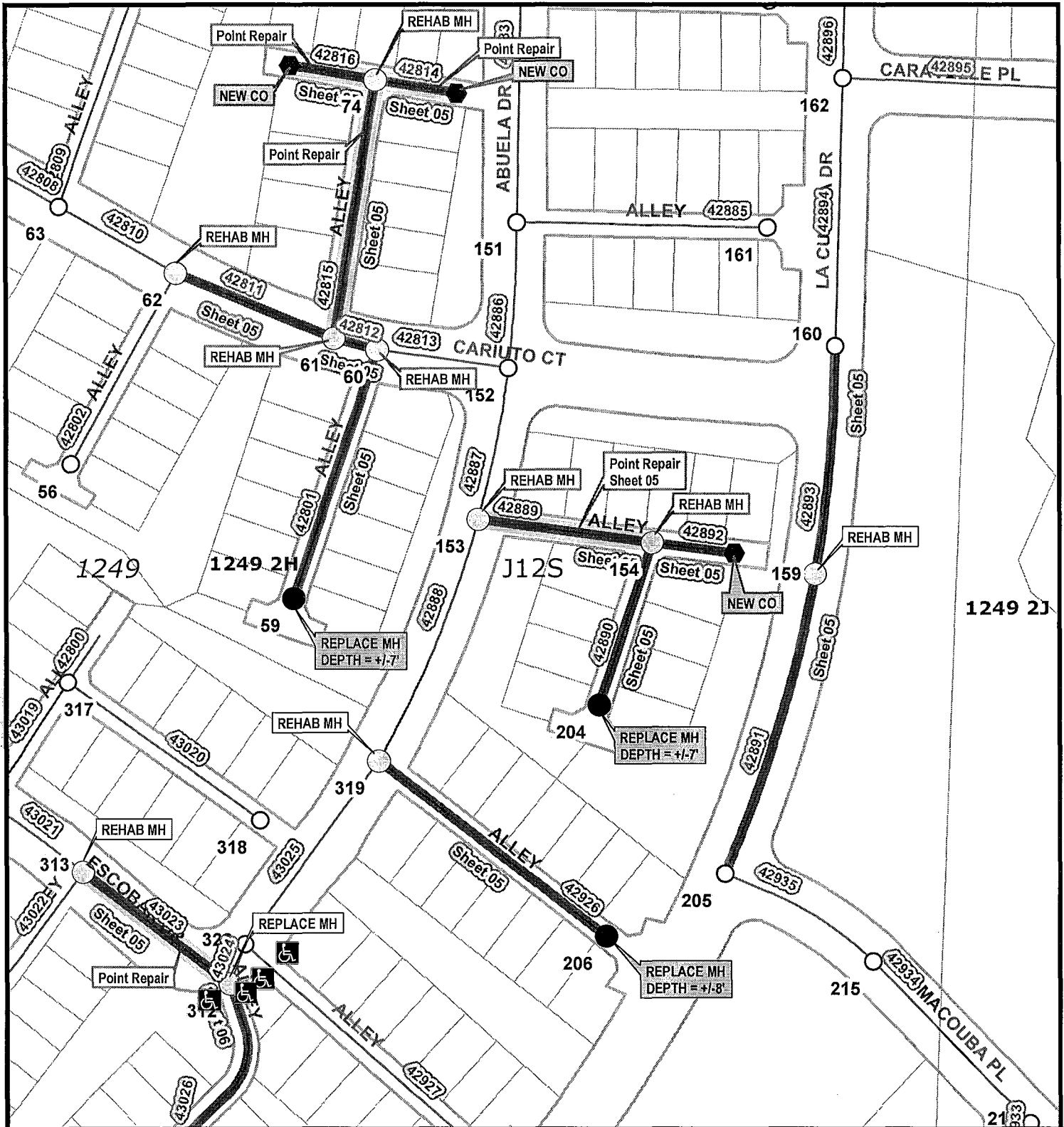
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WBS: B-13217
 Date: 09-10-2014

Thomas Brothers Page:
1249H2

Field Book Page:
J12S

SHEET NO. 04



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7

LEGEND:

66666 FSN: FACILITY SEQUENCE NUMBER

333 MANHOLE ID

EXISTING MANHOLE & SEWER MAIN

INSTALL NEW CLEANOUT

MANHOLE REPAIR

REHAB MANHOLE

REPLACE MANHOLE

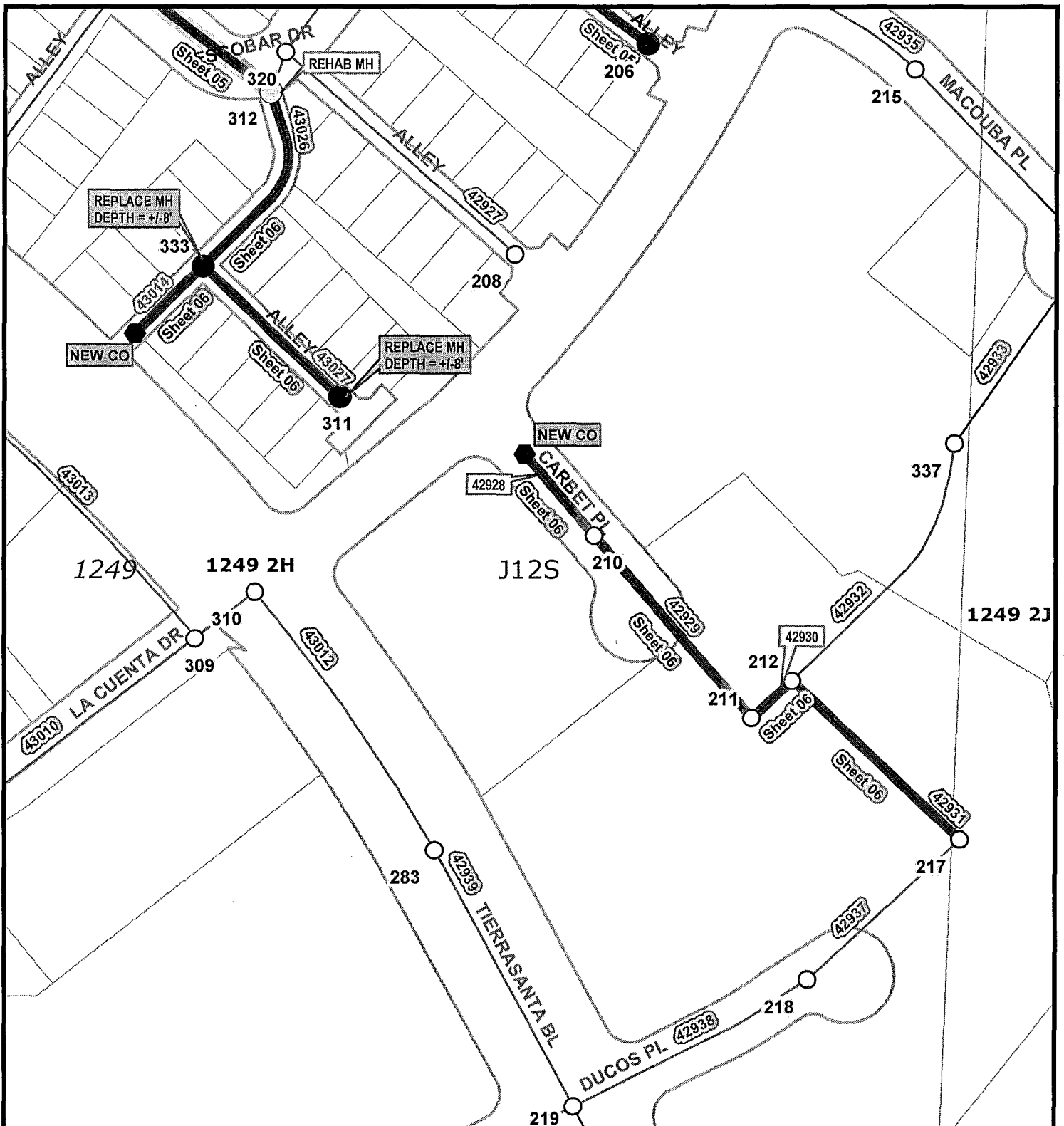
REHAB PIPE SEGMENT

POINT REPAIR/REHAB PIPE

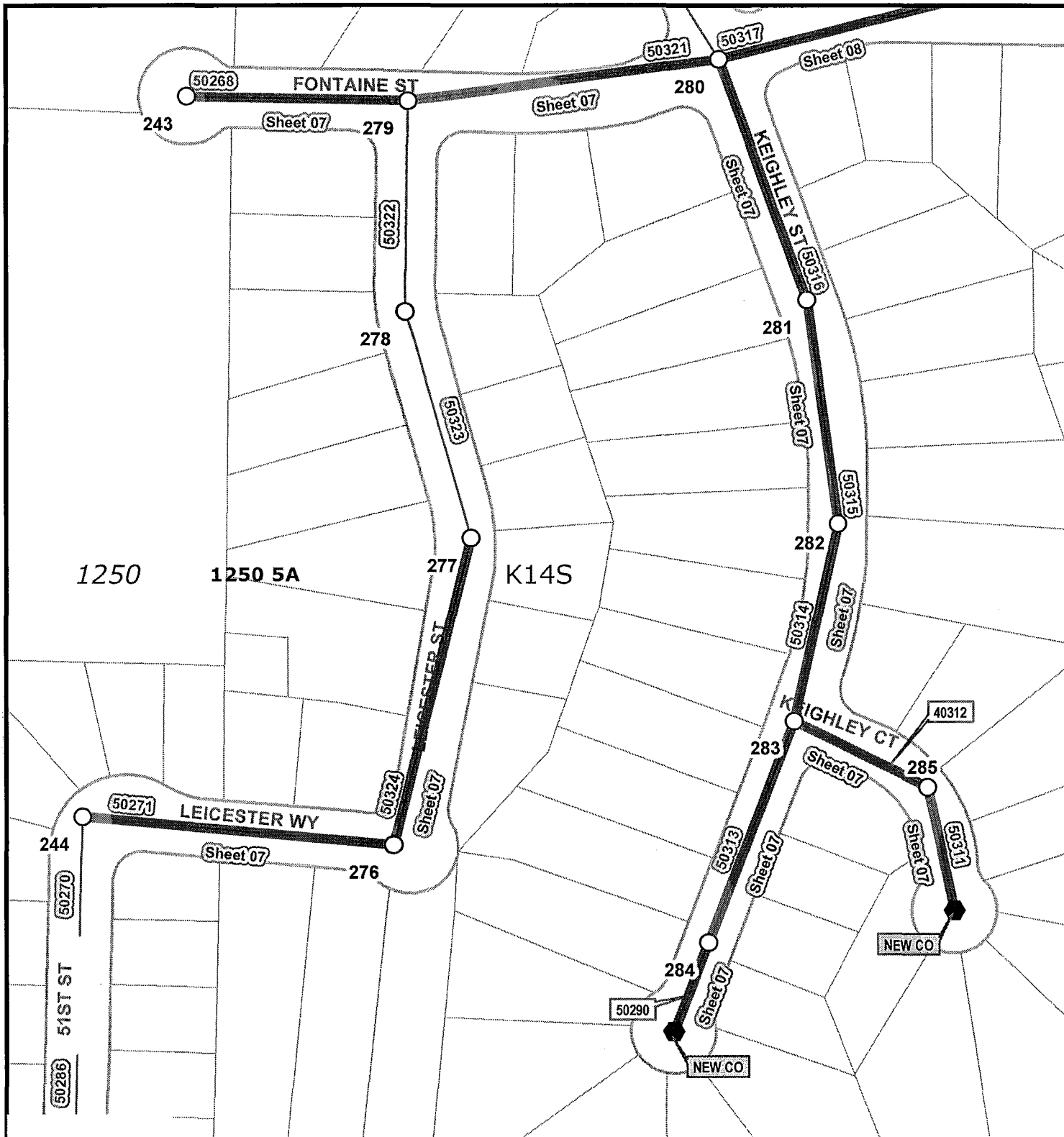
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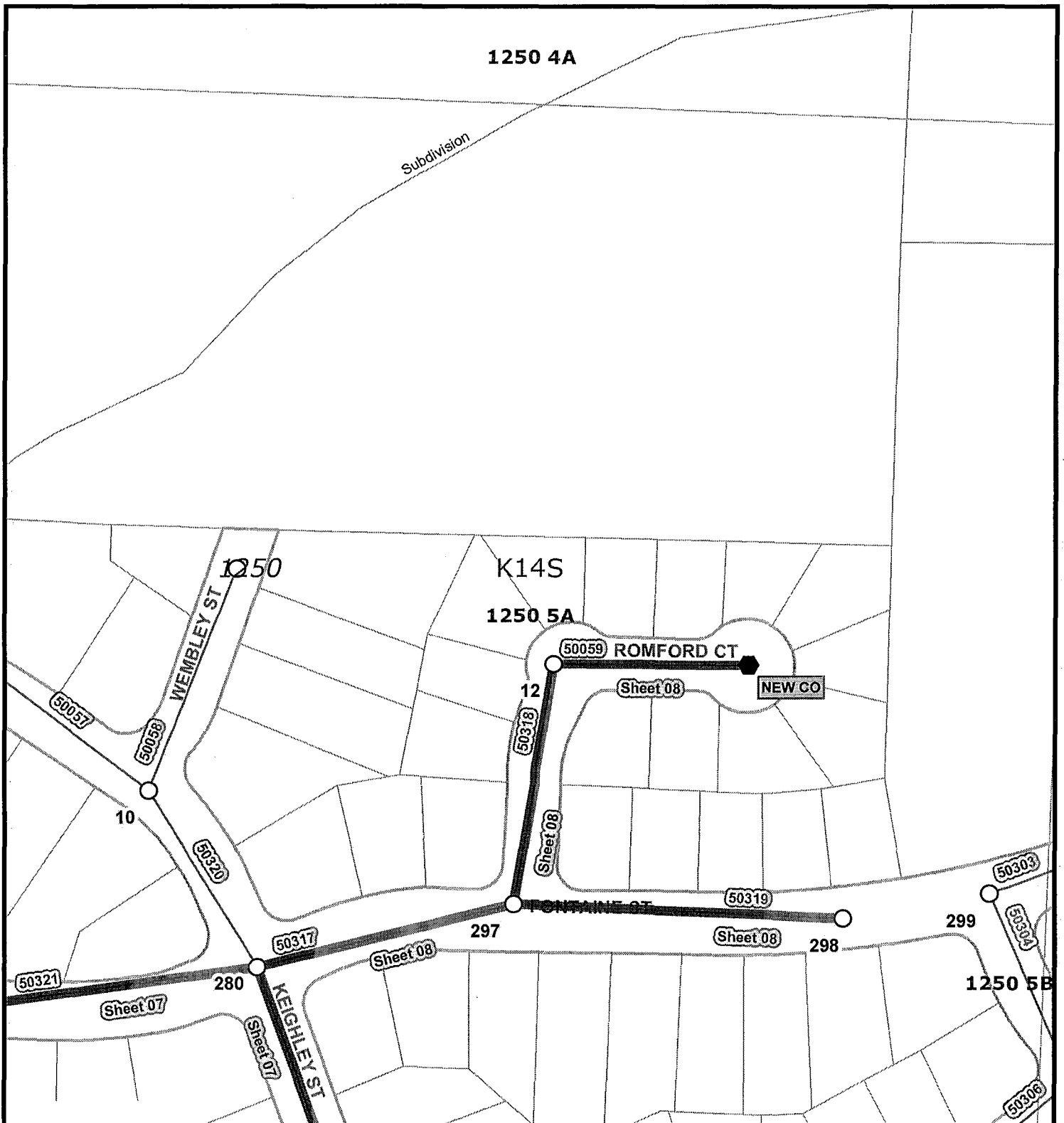
WBS: B-13217
 Date: 09-10-2014
 Thomas Brothers Page:
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J12S
SHEET NO. 05



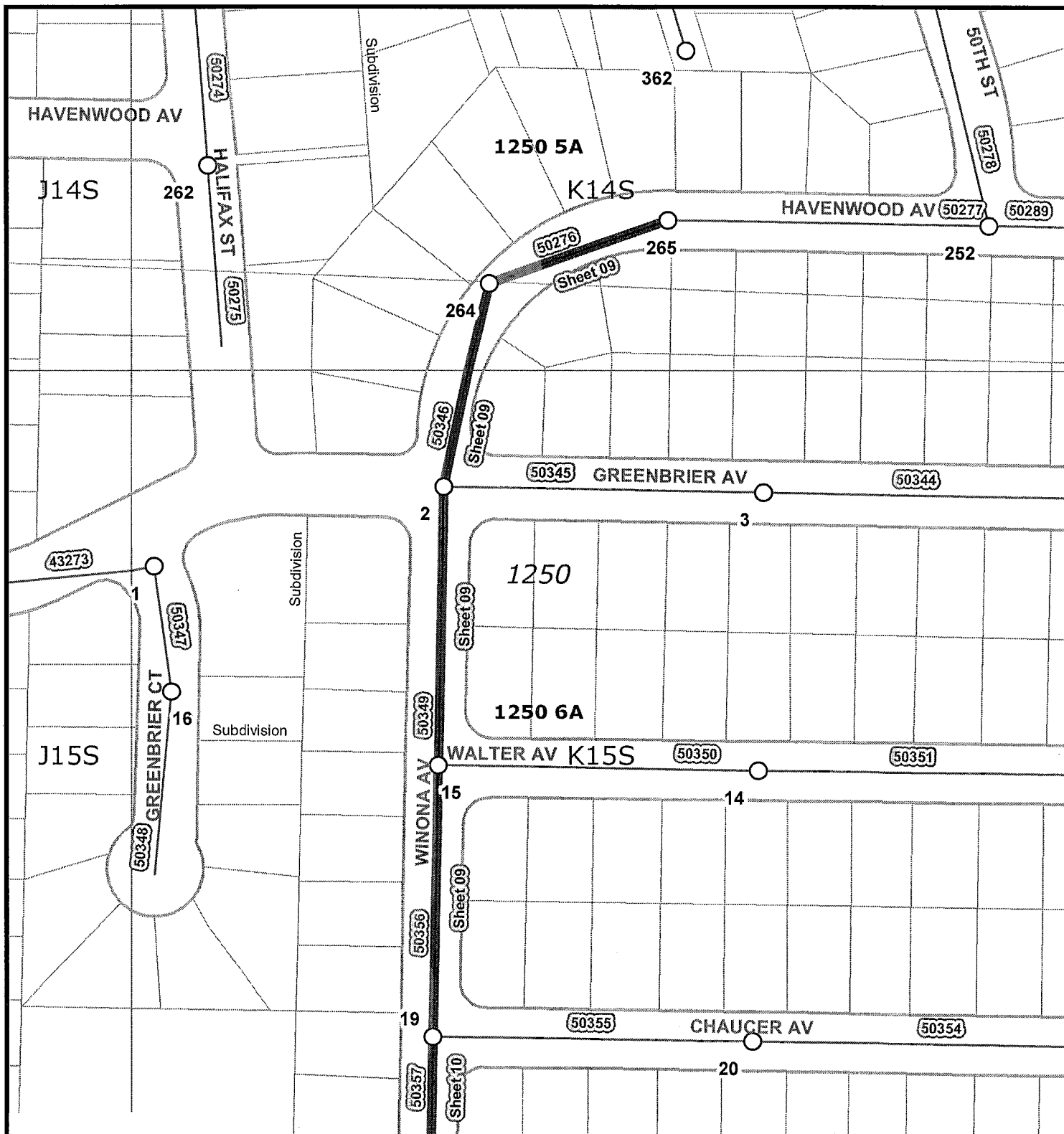
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<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLEON RIVERA</div></div>	<div><div><div><div><div><div>N</div><div></div><div>E</div><div></div><div>S</div><div></div><div>W</div></div><div></div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div>56565</div><div>333</div><div><div><div></div><div></div></div></div><div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>REHAB MANHOLE</div><div>REPLACE MANHOLE</div><div>REHAB PIPE SEGMENT</div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div></div></div></div>	<div><div>Thomas Brothers Page: 1249H2, 1248J2</div><div>Field Book Page: J12S</div></div>
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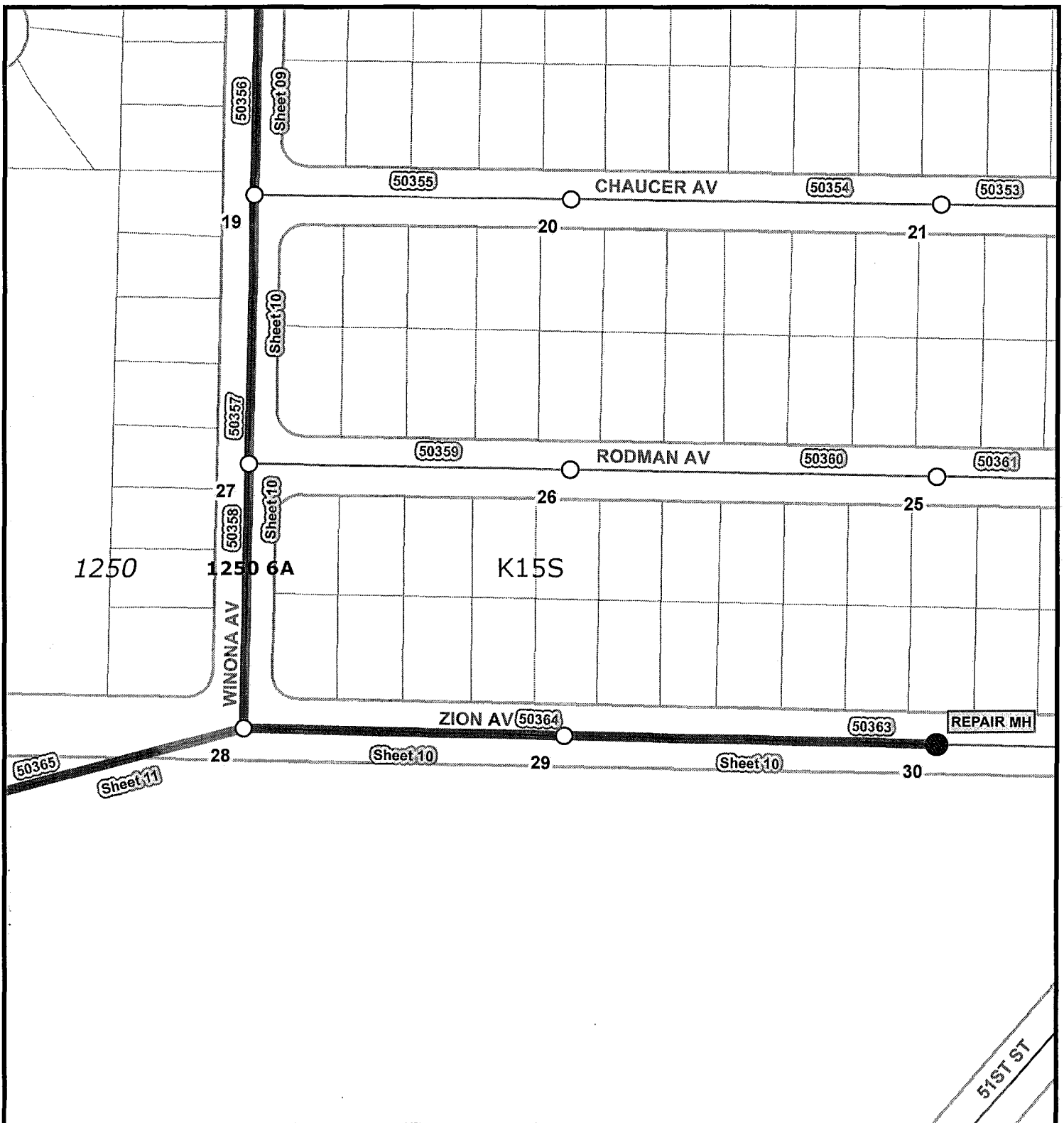
<p>CITY OF SAN DIEGO PUBLICWORKS DEPARTMENT RIGHT OF WAY DIVISION</p>	<p align="center">PIPELINE REHABILITATION AA-1</p> <p align="center">COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</p>	<p>WBS: B-13217 Date: 09-10-2014</p>
<p>SENIOR ENGINEER: CARL E. SPIER, P.E.</p> <p>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</p> <p>PROJECT ENGINEER: FARLITO VALENZUELA</p> <p>DRAFTER: NAPOLEON RIVERA</p>	<div> <div> NO SCALE </div> <div> <p>LEGEND:</p> <p>(56565) FSN: FACILITY SEQUENCE NUMBER</p> <p>333 MANHOLE ID</p> <p>— EXISTING MANHOLE & SEWER MAIN</p> <p>● INSTALL NEW CLEANOUT</p> <p>● MANHOLE REPAIR</p> <p>○ REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p> </div> </div> <p>FSN: 50268,50321,50290,50311,50312,50313,50314,50315,50316,50271,50324</p>	<p>Thomas Brothers Page: 1250A5</p> <p>Field Book Page: K14S</p> <p>SHEET NO. 07</p>



<p>CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT RIGHT OF WAY DIVISION</p>	<p>PIPELINE REHABILITATION AA-1 COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</p>	<p>WBS: B-13217 Date: 09-10-2014</p>			
<p>SENIOR ENGINEER: CARL E. SPIER, P.E. ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E. PROJECT ENGINEER: FARLITO VALENZUELA DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <table border="0"> <tr> <td> NO SCALE </td> <td> 56568 FSN: FACILITY SEQUENCE NUMBER 333 MANHOLE ID EXISTING MANHOLE & SEWER MAIN INSTALL NEW CLEANOUT MANHOLE REPAIR </td> <td> REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE </td></tr> </table> <p>FSN: 50317, 50318, 50319, 50059</p>	 NO SCALE	 56568 FSN: FACILITY SEQUENCE NUMBER 333 MANHOLE ID EXISTING MANHOLE & SEWER MAIN INSTALL NEW CLEANOUT MANHOLE REPAIR	 REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE	<p>Thomas Brothers Page: 1250A5 Field Book Page: K14S SHEET NO. 08</p>
 NO SCALE	 56568 FSN: FACILITY SEQUENCE NUMBER 333 MANHOLE ID EXISTING MANHOLE & SEWER MAIN INSTALL NEW CLEANOUT MANHOLE REPAIR	 REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE			



<div><div>CITY OF SAN DIEGO</div><div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div></div><div><div>PUBLIC WORKS</div><div>DEPARTMENT</div></div><div>RIGHT OF WAY DIVISION</div></div></div></div></div></div>	<div><div>PIPELINE REHABILITATION AA-1</div><div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div><div>COUNCIL DISTRICT: 7</div></div>	<div><div>WBS: B-13217</div><div>Date: 09-10-2014</div></div>
<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLEON RIVERA</div></div>	<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div><div><div></div><div></div></div><div>56655</div></div><div><div><div><div></div><div></div></div><div>333</div></div><div><div><div><div></div><div></div></div><div></div></div><div>EXISTING MANHOLE & SEWER MAIN</div></div><div><div><div><div></div><div></div></div><div></div></div><div>INSTALL NEW CLEANOUT</div></div><div><div><div><div></div><div></div></div><div></div></div><div>MANHOLE REPAIR</div></div></div><div><div><div><div></div><div></div></div><div></div></div><div>REHAB MANHOLE</div></div><div><div><div><div></div><div></div></div><div></div></div><div>REPLACE MANHOLE</div></div><div><div><div><div></div><div></div></div><div></div></div><div>REHAB PIPE SEGMENT</div></div><div><div><div><div></div><div></div></div><div></div></div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div></div><div><div>FSN: 50356,50349,50346,50276</div></div></div></div>	<div><div>Thomas Brothers Page: 1250A5, 1250A6</div><div>Field Book Page: K14S, K15S</div><div>SHEET NO. 09</div></div>



CITY OF SAN DIEGO
PUBLICWORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7

NO SCALE

LEGEND:

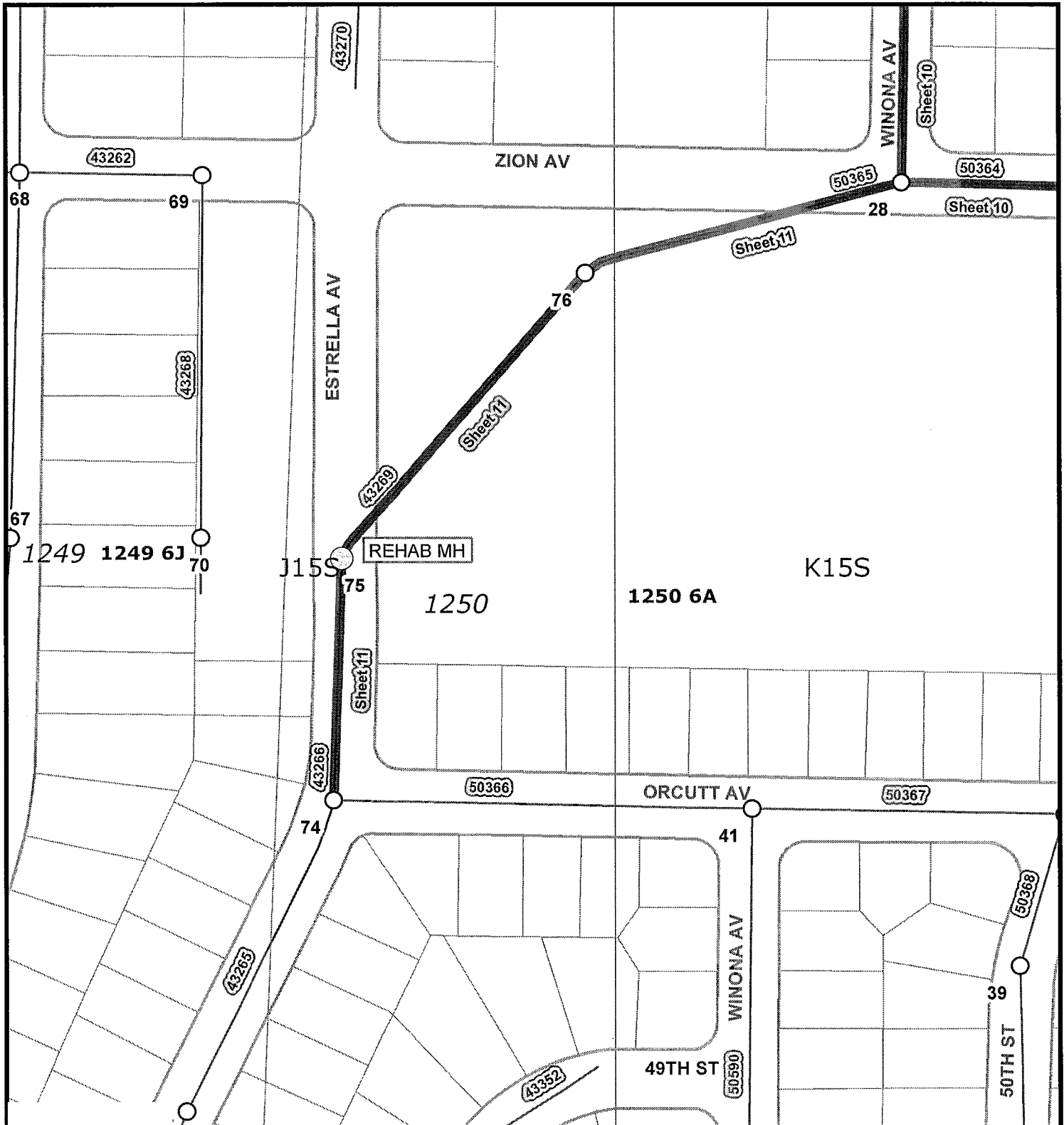
- (56565) FSN: FACILITY SEQUENCE NUMBER
- 333 MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR
- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE

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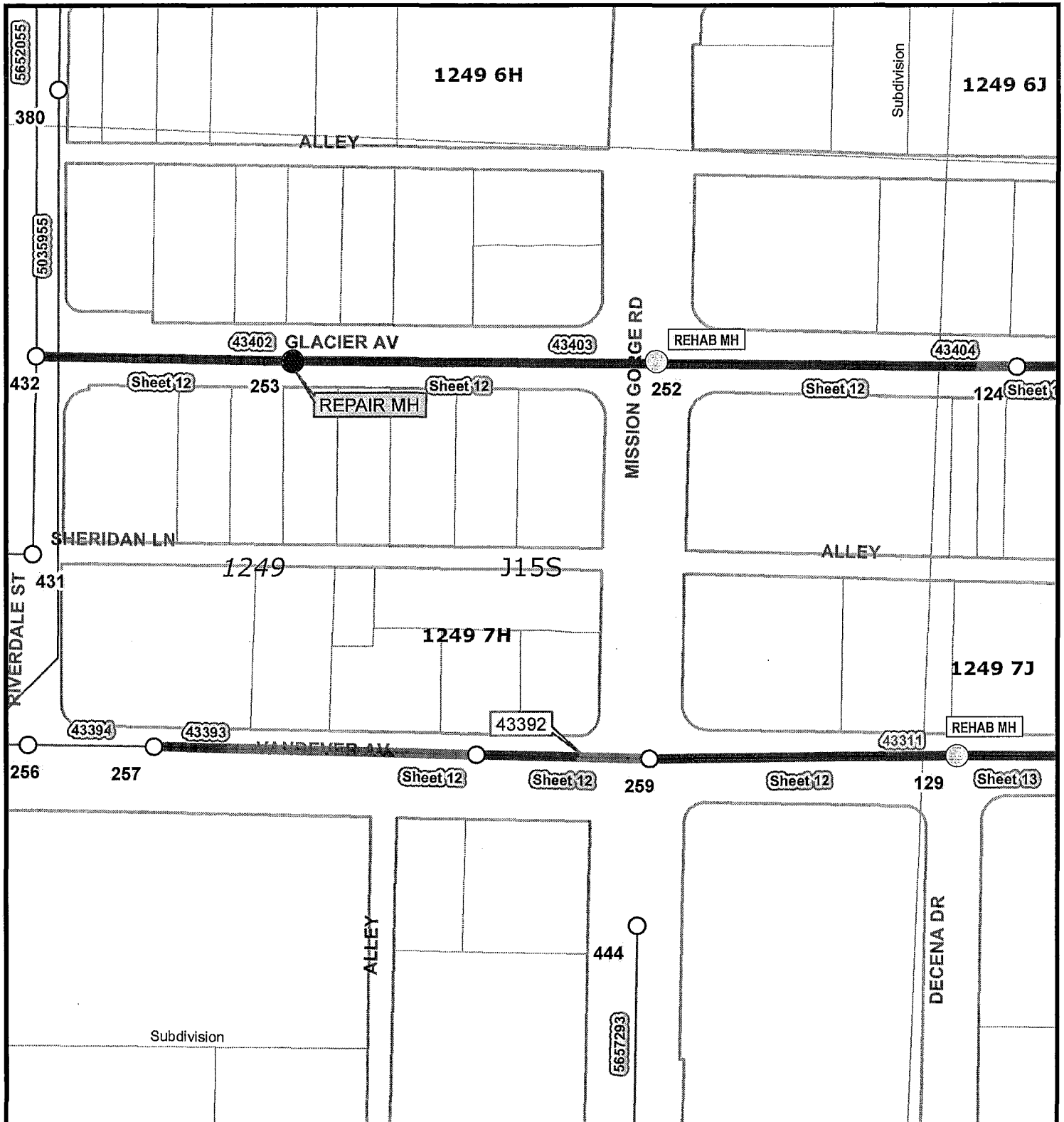
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 Date: 09-10-2014

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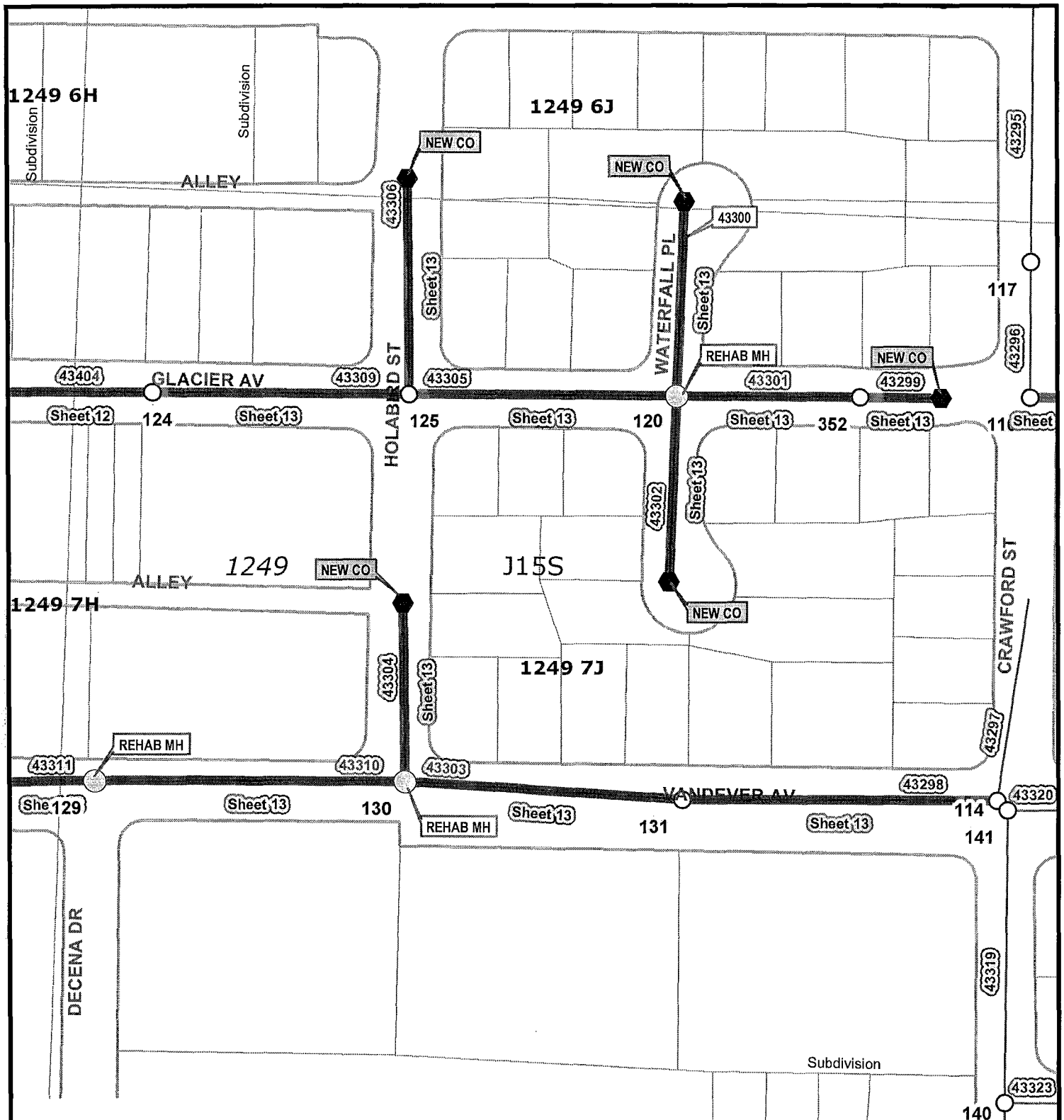
SHEET NO. 10



<div><div>CITY OF SAN DIEGO</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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<div><div>CITY OF SAN DIEGO</div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div>PUBLICWORKS</div><div>DEPARTMENT</div></div><div>RIGHT OF WAY DIVISION</div></div></div>	<div><div>PIPELINE REHABILITATION AA-1</div><div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div><div>COUNCIL DISTRICT: 7</div></div>	<div><div>WBS: B-13217</div><div>Date: 09-10-2014</div></div>
<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLION RIVERA</div></div>	<div><div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div>(56565)</div><div>333</div><div><div></div></div></div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div></div><div><div><div></div></div><div>INSTALL NEW CLEANOUT</div></div><div><div><div></div></div><div>MANHOLE REPAIR</div></div></div></div><div><div><div><div></div><div>REHAB MANHOLE</div></div><div><div></div><div>REPLACE MANHOLE</div></div><div><div><div></div><div>REHAB PIPE SEGMENT</div></div><div><div></div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div></div>	<div><div>Thomas Brothers Page: 1249H6, 1249H7</div><div>Field Book Page: J15S</div></div>
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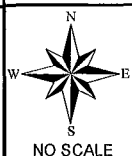


CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7



LEGEND:

- (66565) FSN: FACILITY SEQUENCE NUMBER
- 333 MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR

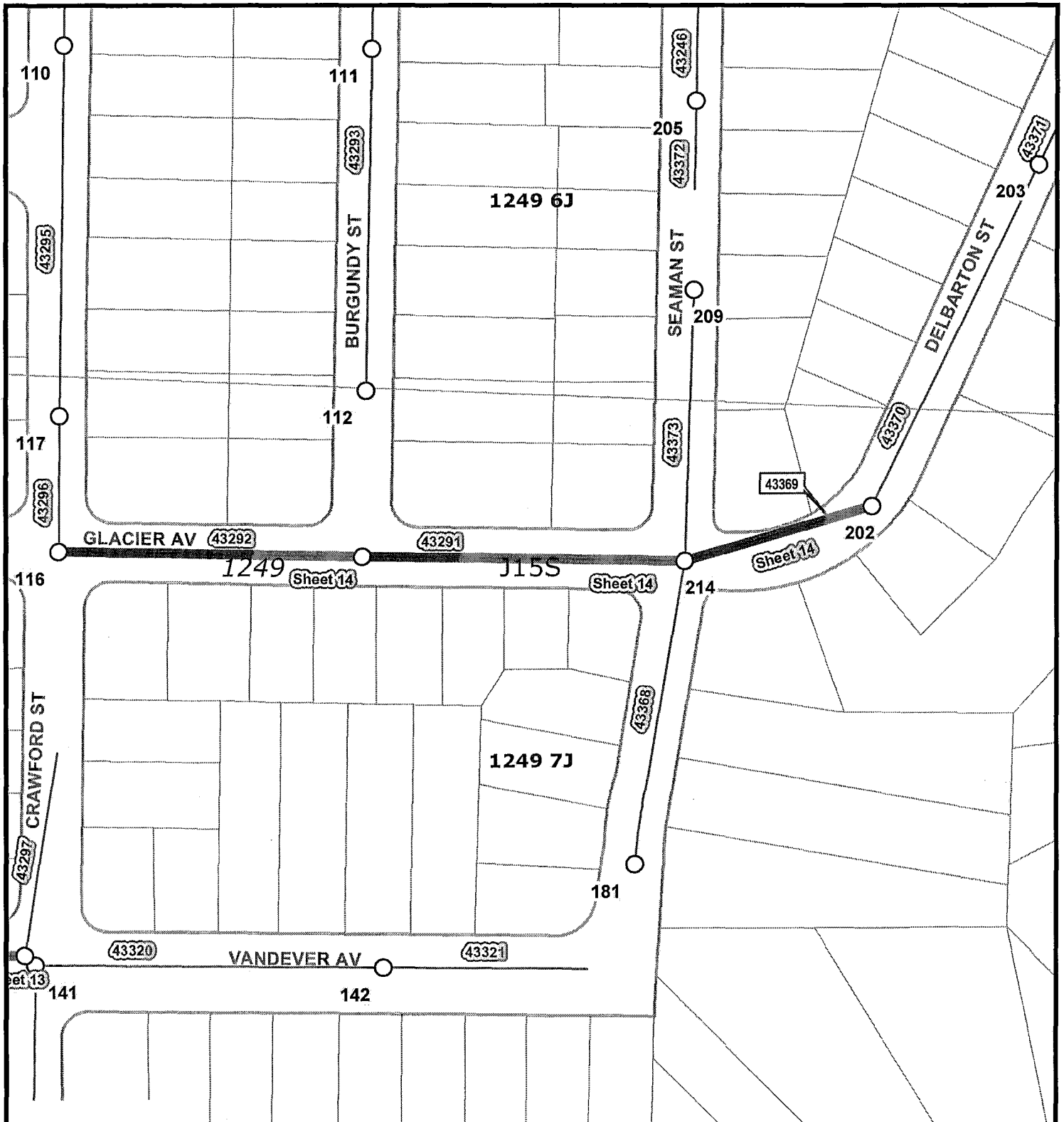
- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE

FSN: 43309,43306,43305,43300,43302,43301,43299,43310,43304,43303,43298

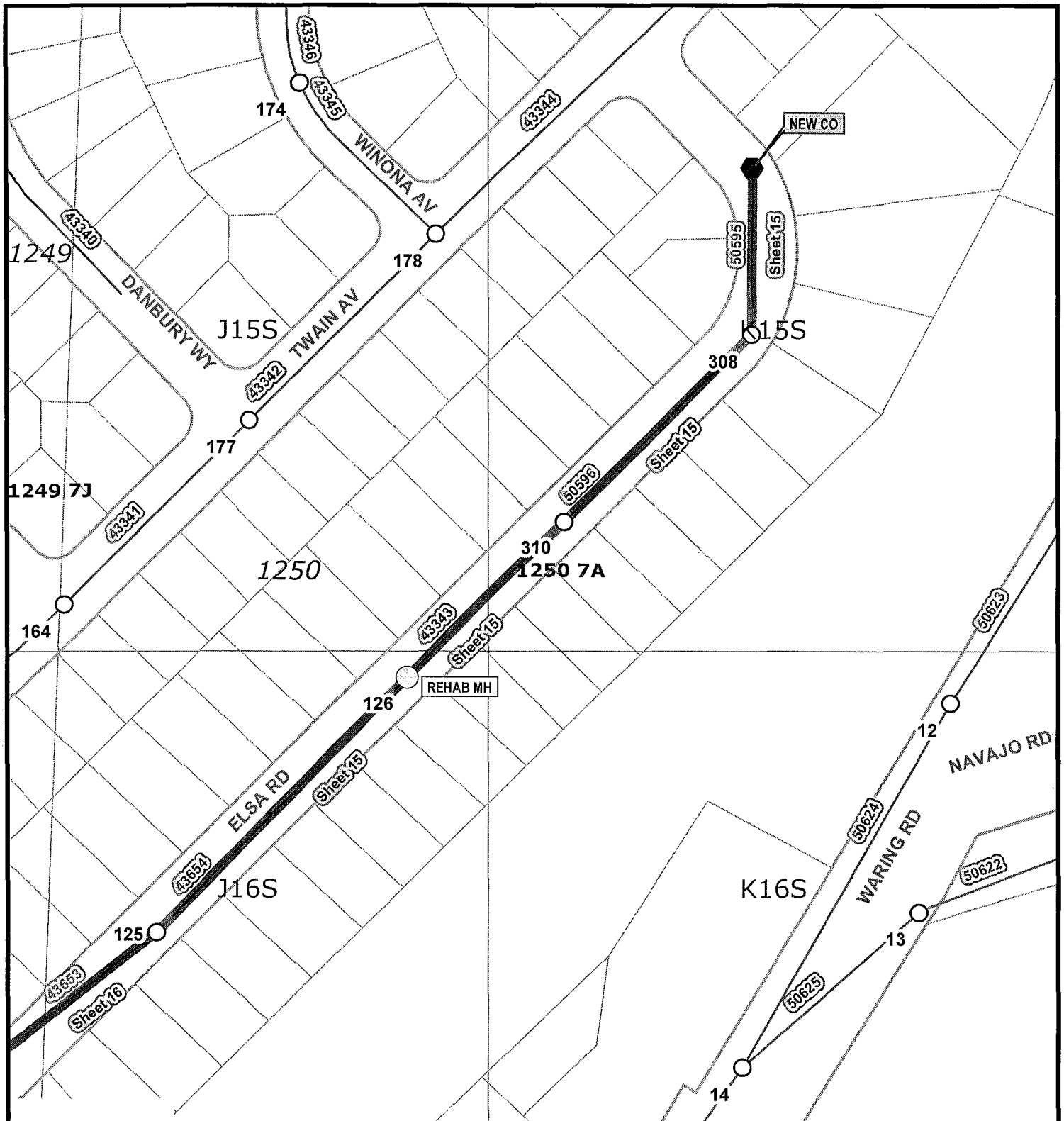
WBS: B-13217
 Date: 09-10-2014

Thomas Brothers Page:
1249J6, 1249H7
1249J7
 Field Book Page:
J15S

SHEET NO. 13



<div>CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT RIGHT OF WAY DIVISION</div>	<div>PIPELINE REHABILITATION AA-1</div> <div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</div>		<div>WBS: B-13217</div> <div>Date: 09-10-2014</div>
<div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div> <div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div> <div>PROJECT ENGINEER: FARLITO VALENZUELA</div> <div>DRAFTER: NAPOLEON RIVERA</div>	<div><div><div><div>N</div><div>W</div><div>S</div><div>E</div></div><div>NO SCALE</div></div><div><div>LEGEND:</div><div><div><div>66566</div><div>333</div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div></div></div>	<div><div><div><div></div><div></div></div><div>REHAB MANHOLE</div></div><div><div><div></div><div></div></div><div>REPLACE MANHOLE</div></div><div><div><div></div><div></div></div><div>REHAB PIPE SEGMENT</div></div><div><div><div></div><div></div></div><div>POINT REPAIR/REHAB PIPE</div></div></div>	<div>Thomas Brothers Page: 1249J7</div> <div>Field Book Page: J15S</div> <div>SHEET NO. 14</div>



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

PIPELINE REHABILITATION AA-1

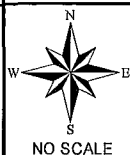
COMMUNITY DISTRICT: TIERRASANTA & NAVAJO

COUNCIL DISTRICT: 7

WBS: B-13217

Date: 04-14-2014

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA



LEGEND:

- 56665 FSN: FACILITY SEQUENCE NUMBER
- 333 MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR

- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE
- NEW CURB RAMP

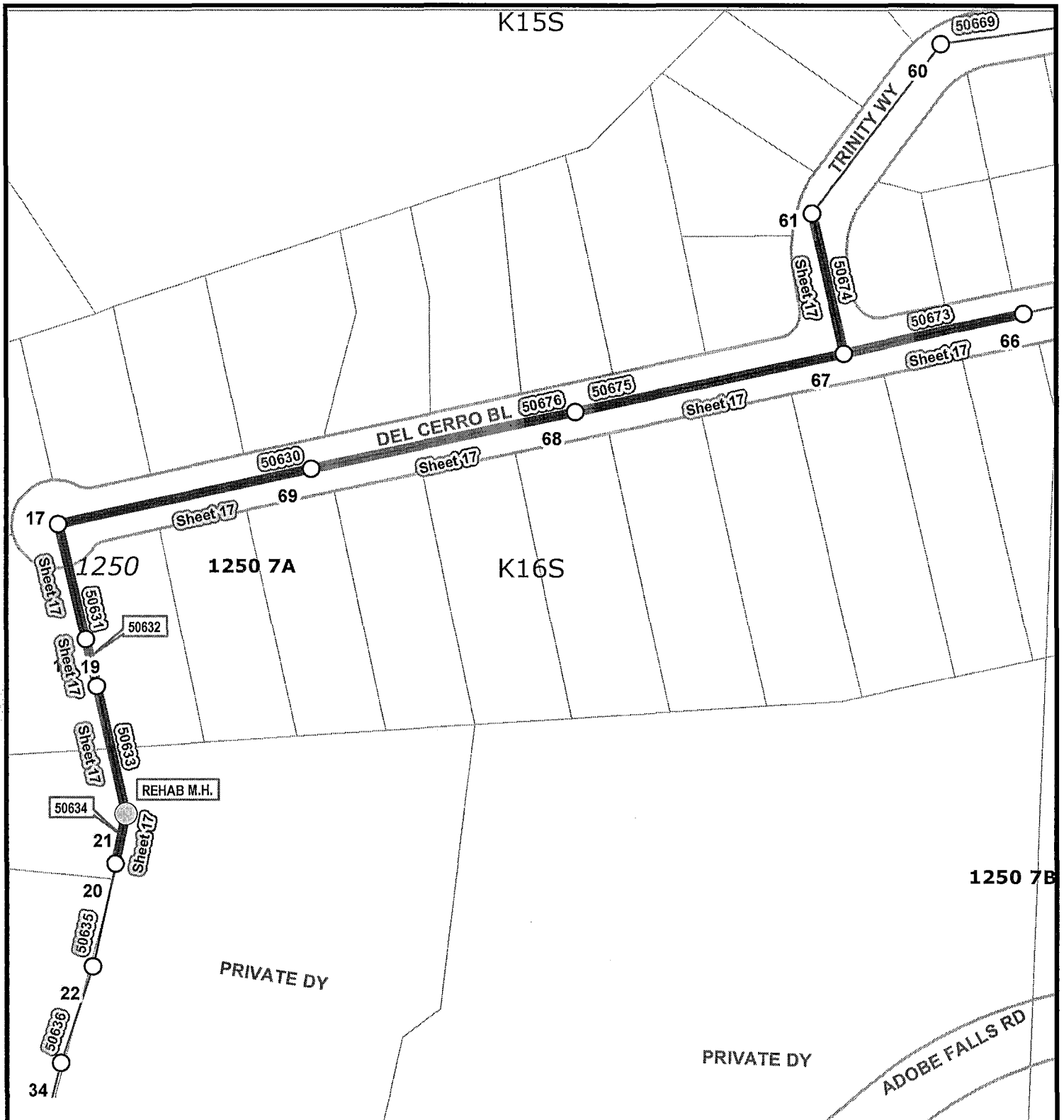
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Thomas Brothers Page:
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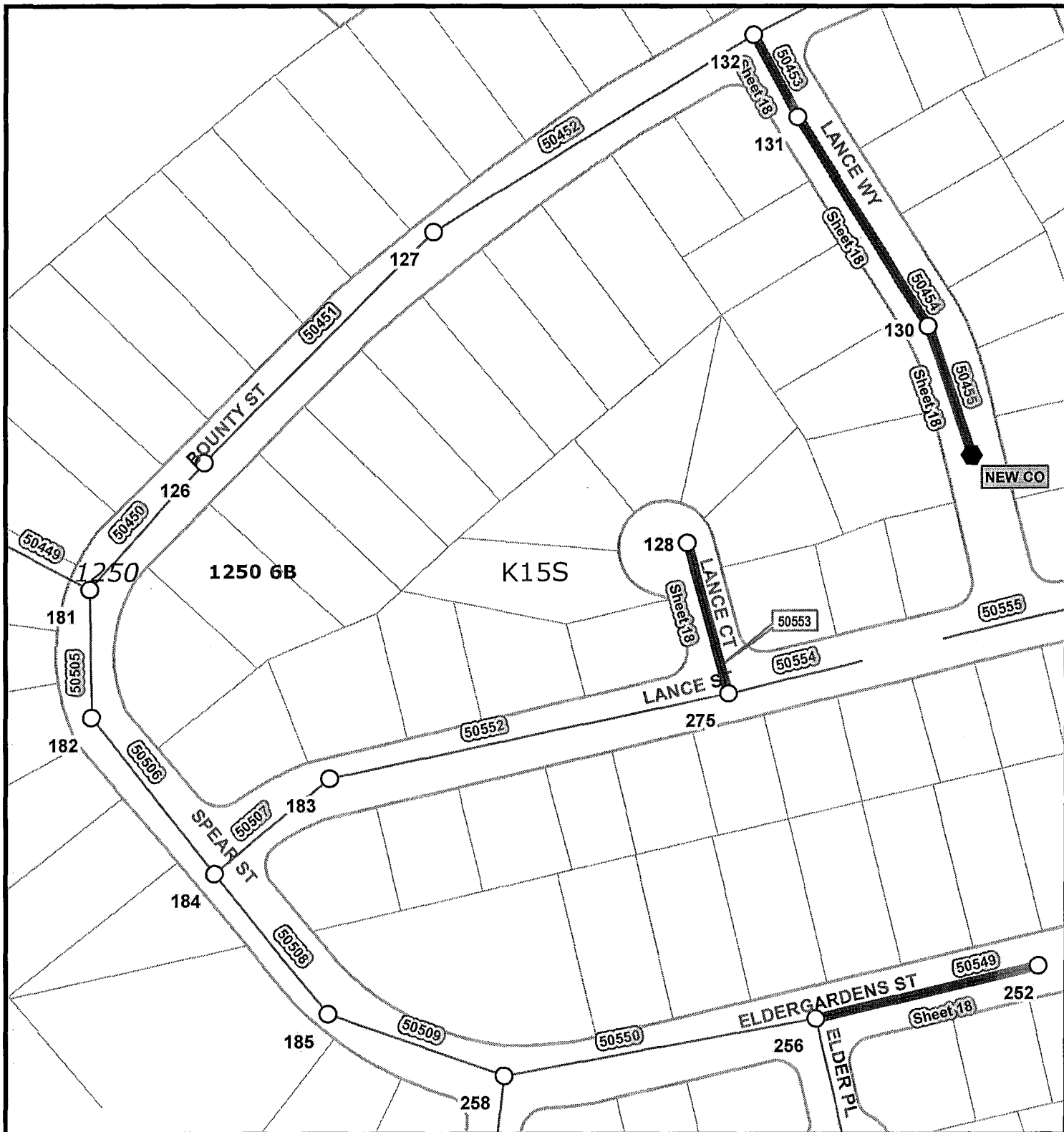
Field Book Page:
J15S,K15S,J16S

SHEET NO. 15

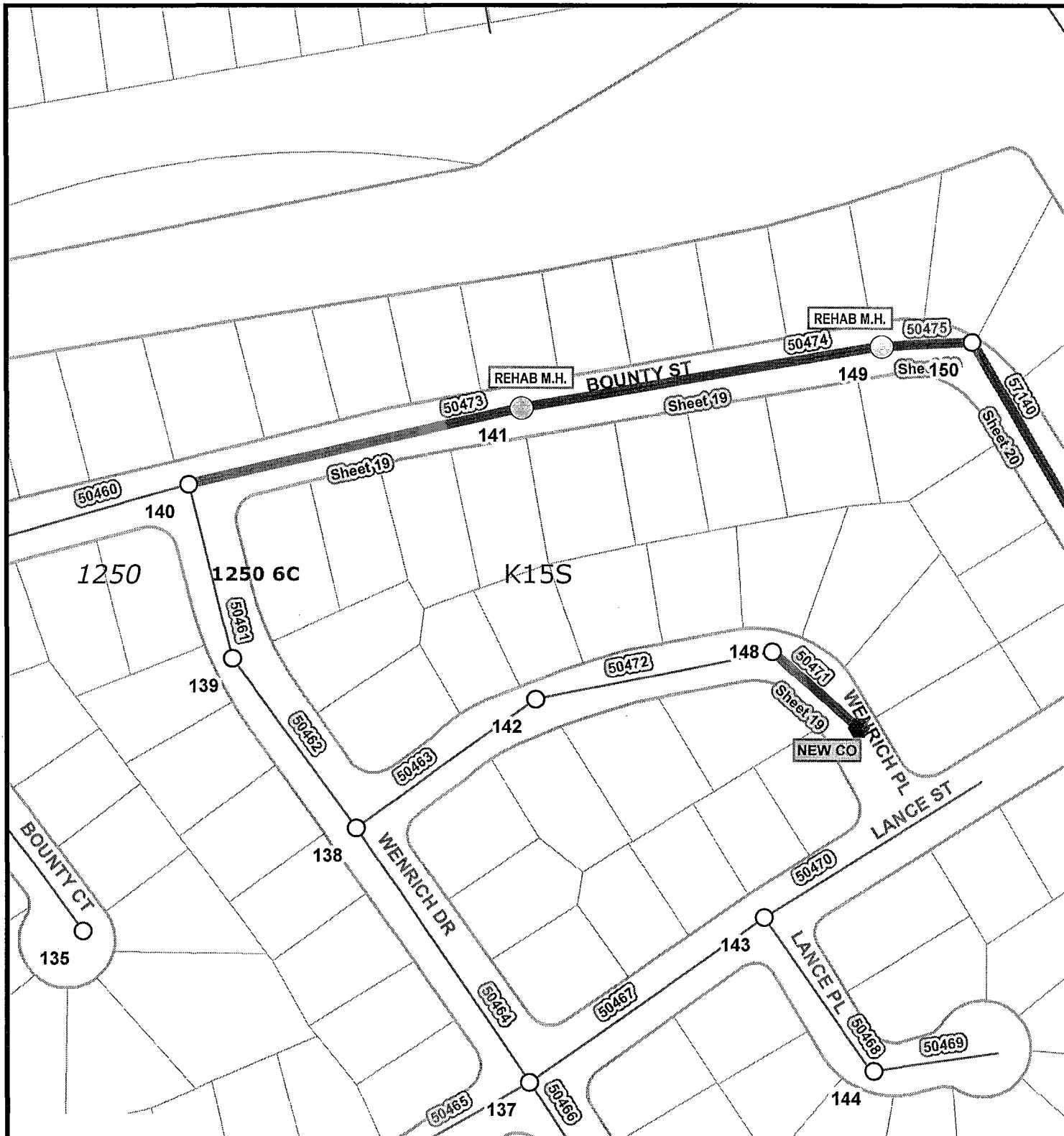




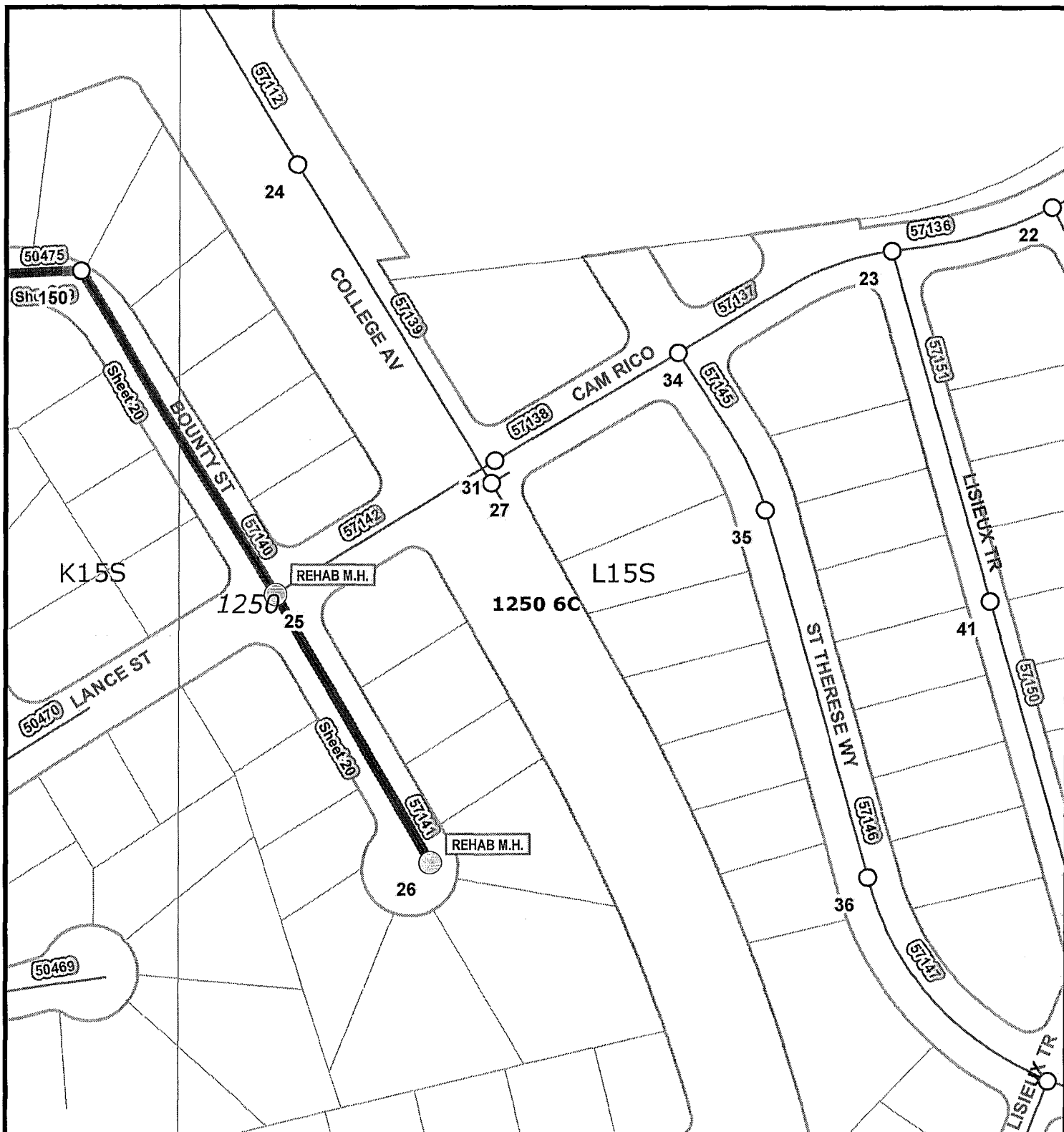
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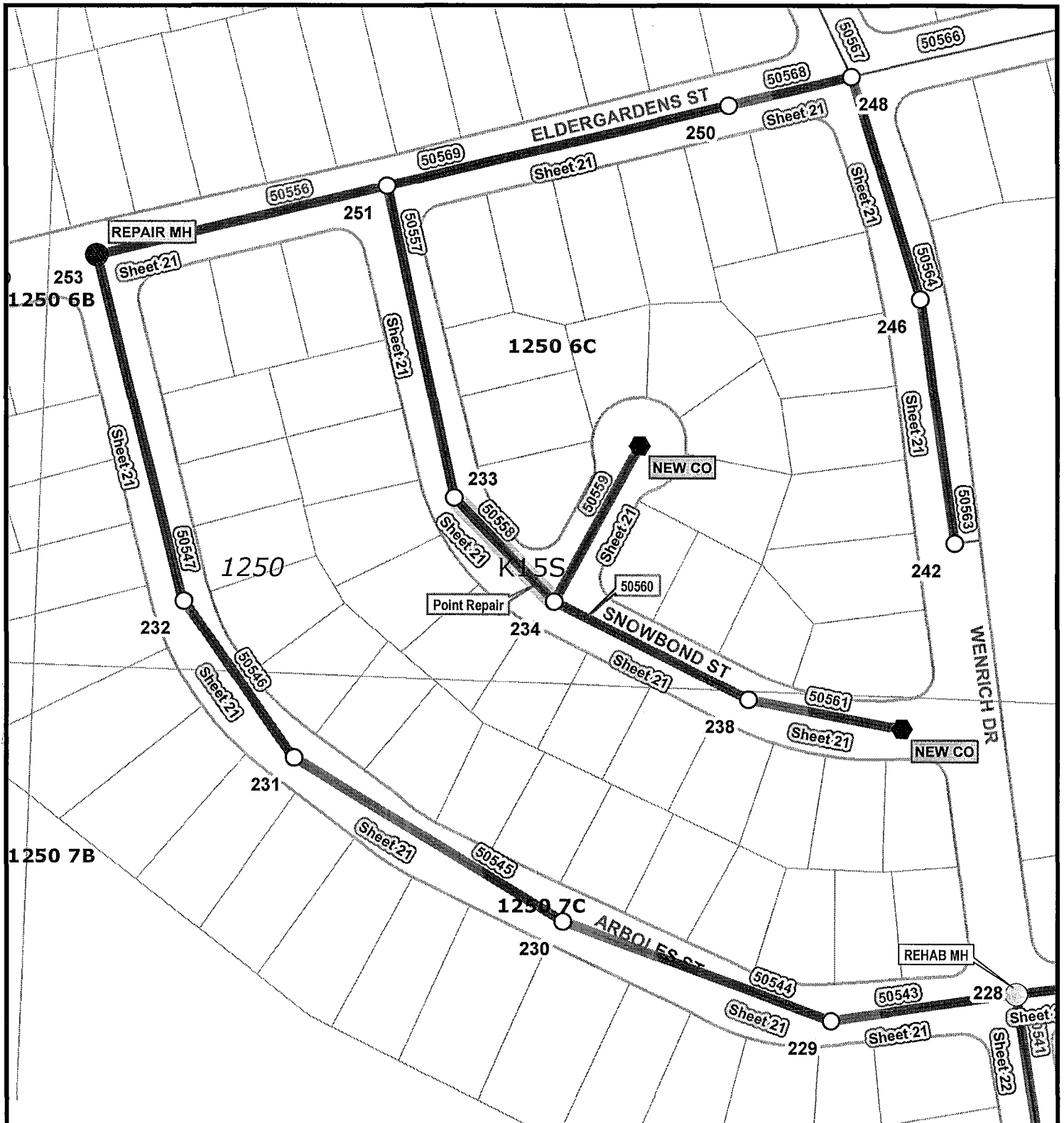
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<p>SENIOR ENGINEER: CARL E. SPIER, P.E. ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E. PROJECT ENGINEER: FARLITO VALENZUELA DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <table border="0"> <tr> <td> 56566</td> <td>FSN: FACILITY SEQUENCE NUMBER</td> <td> REHAB MANHOLE</td> </tr> <tr> <td> 333</td> <td>MANHOLE ID</td> <td> REPLACE MANHOLE</td> </tr> <tr> <td></td> <td>EXISTING MANHOLE & SEWER MAIN</td> <td> REHAB PIPE SEGMENT</td> </tr> <tr> <td></td> <td>INSTALL NEW CLEANOUT</td> <td> POINT REPAIR/REHAB PIPE</td> </tr> <tr> <td></td> <td>MANHOLE REPAIR</td> <td></td> </tr> </table> <p>FSN: 50453,50454,50455,50553,50549</p>	56566	FSN: FACILITY SEQUENCE NUMBER	REHAB MANHOLE	333	MANHOLE ID	REPLACE MANHOLE		EXISTING MANHOLE & SEWER MAIN	REHAB PIPE SEGMENT		INSTALL NEW CLEANOUT	POINT REPAIR/REHAB PIPE		MANHOLE REPAIR		<p>Thomas Brothers Page: 1250B6 Field Book Page: K15S SHEET NO. 18</p>
56566	FSN: FACILITY SEQUENCE NUMBER	REHAB MANHOLE															
333	MANHOLE ID	REPLACE MANHOLE															
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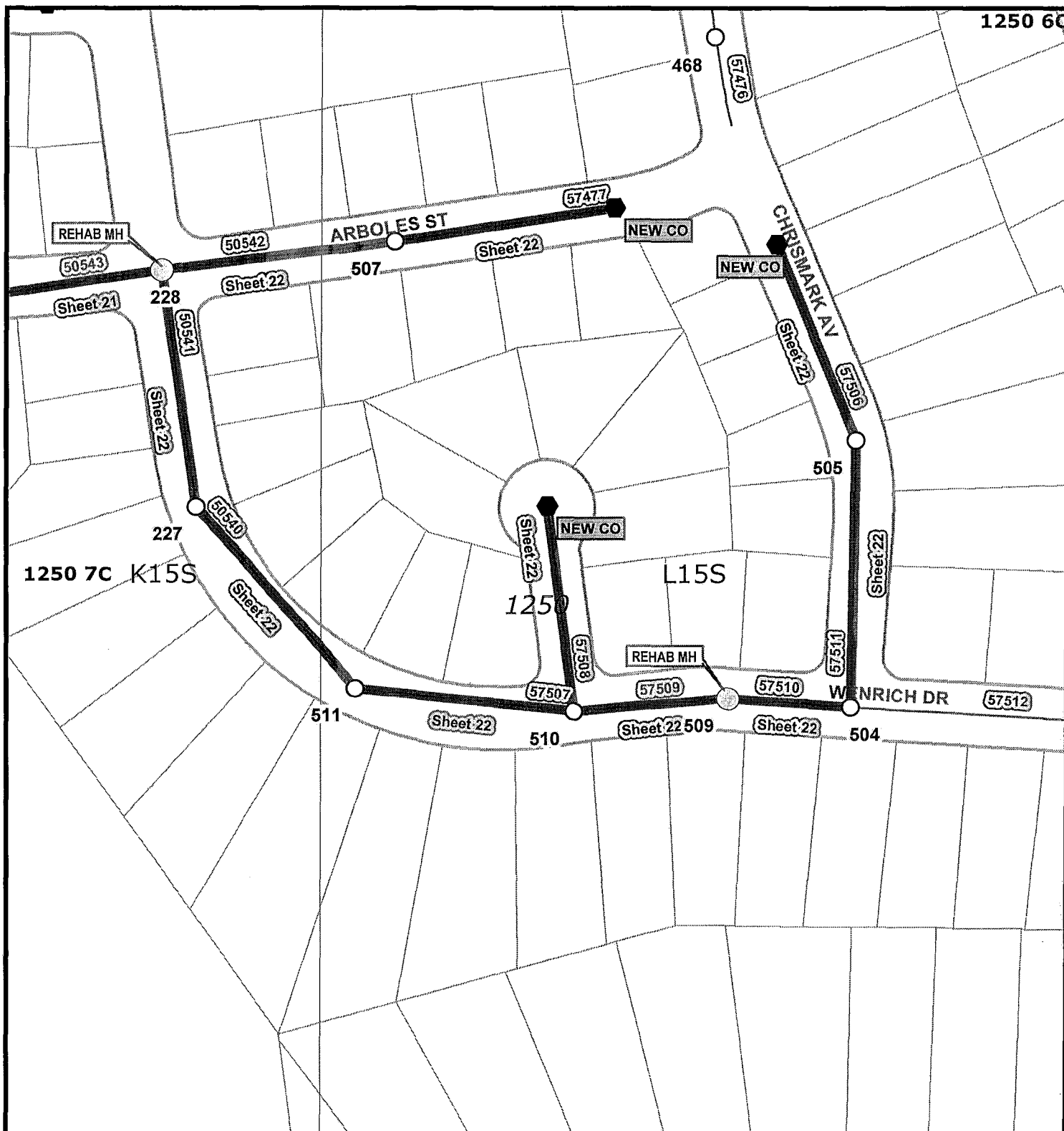
<div><div><div>CITY OF SAN DIEGO</div><div><div><div><div></div></div></div><div><div><div>PUBLICWORKS</div><div>DEPARTMENT</div></div></div><div><div>RIGHT OF WAY DIVISION</div></div></div></div></div>	<div><div>PIPELINE REHABILITATION AA-1</div><div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div><div>COUNCIL DISTRICT: 7</div></div>	<div><div>WBS: B-13217</div><div>Date: 09-10-2014</div></div>
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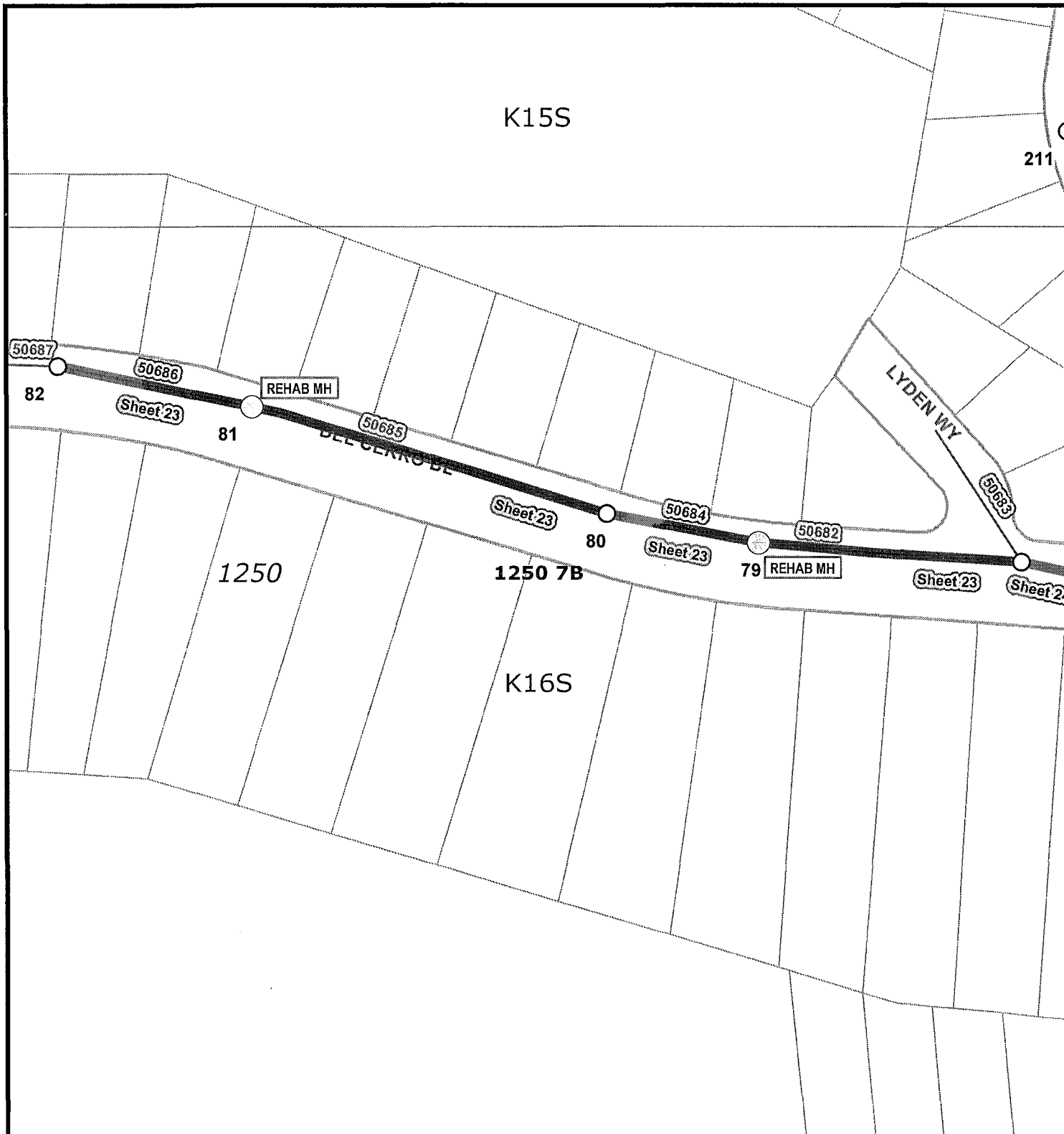
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<p>SENIOR ENGINEER: CARL E. SPIER, P.E.</p> <p>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</p> <p>PROJECT ENGINEER: FARLITO VALENZUELA</p> <p>DRAFTER: NAPOLEON RIVERA</p>	<p align="center">LEGEND:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> NO SCALE</p> <p> FSN: FACILITY SEQUENCE NUMBER</p> <p> MANHOLE ID</p> <p> EXISTING MANHOLE & SEWER MAIN</p> <p> INSTALL NEW CLEANOUT</p> <p> MANHOLE REPAIR</p> </div> <div style="width: 45%;"> <p> REHAB MANHOLE</p> <p> REPLACE MANHOLE</p> <p> REHAB PIPE SEGMENT</p> <p> POINT REPAIR/REHAB PIPE</p> </div> </div> <p align="center">FSN: 57140, 57141</p>	<p>Thomas Brothers Page: 1250C6</p> <p>Field Book Page: K15S, L15S</p> <p align="center">SHEET NO. 20</p>



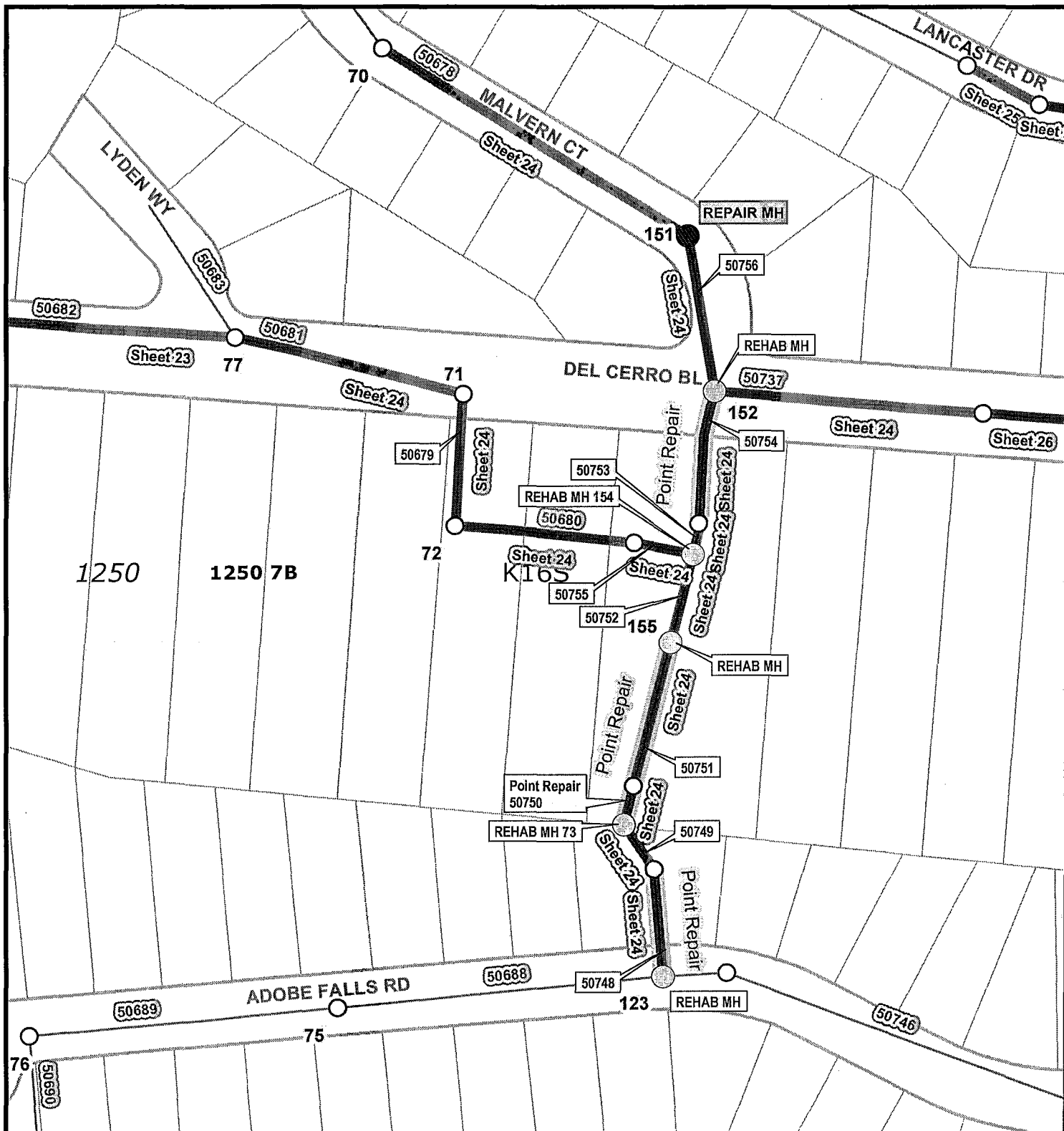
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<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLEON RIVERA</div></div>	<div><div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div>(50568)</div><div>333</div><div><div></div></div></div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div></div><div><div><div><div></div></div><div><div></div></div></div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div></div><div><div><div><div></div></div><div>REHAB MANHOLE</div></div><div><div><div></div></div><div>REPLACE MANHOLE</div></div><div><div><div></div></div><div>REHAB PIPE SEGMENT</div></div><div><div><div></div></div><div>POINT REPAIR/REHAB PIPE</div></div></div></div>	<div><div>Thomas Brothers Page: 1250C6,1250C7</div><div>Field Book Page: K15S</div></div>
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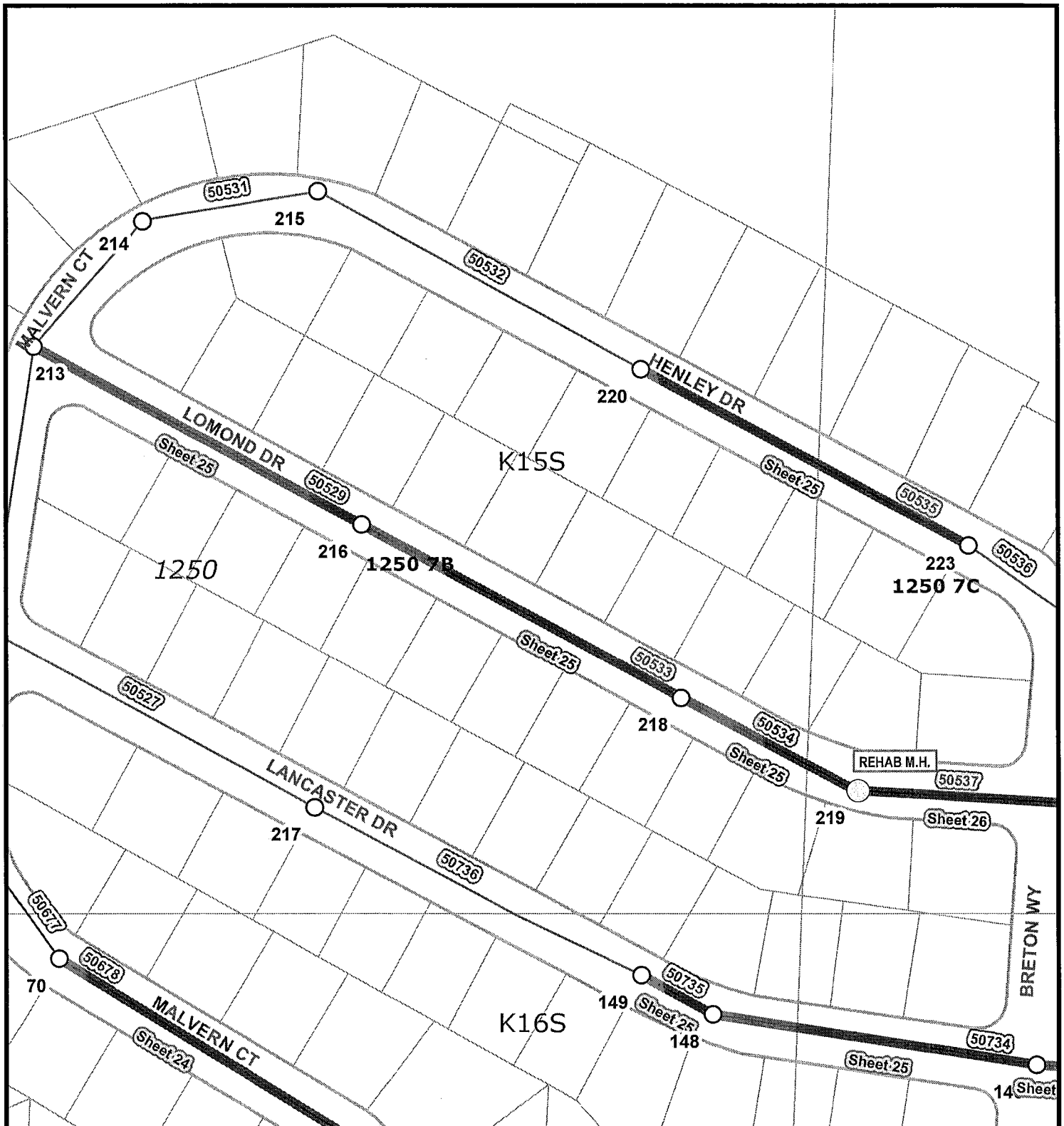
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<div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div> <div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div> <div>PROJECT ENGINEER: FARLITO VALENZUELA</div> <div>DRAFTER: NAPOLEON RIVERA</div>	<div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div>NO SCALE</div></div><div><div>LEGEND:</div><div><div><div>(66565)</div><div>333</div><div><div></div></div></div><div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div>REHAB MANHOLE</div><div>REPLACE MANHOLE</div><div>REHAB PIPE SEGMENT</div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div> <div>FSN: 57477,50542,50541,50540,57507,57509,57510,57511,57506,57508</div>	<div>Thomas Brothers Page: 1250C7</div> <div>Field Book Page: K15S,L15S</div> <div>SHEET NO. 22</div>



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<div><div>SENIOR ENGINEER:</div><div>CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER:</div><div>MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER:</div><div>FARLITO VALENZUELA</div><div>DRAFTER:</div><div>NAPOLEON RIVERA</div></div>	<div><div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div>NO SCALE</div></div><div><div><div>LEGEND:</div><div><div><div>56566</div><div>333</div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>REHAB MANHOLE</div><div>REPLACE MANHOLE</div><div>REHAB PIPE SEGMENT</div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div>	<div>Thomas Brothers Page:</div> <div>1250b7</div> <div>Field Book Page:</div> <div>K15S,K16S</div>
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<div><div>CITY OF SAN DIEGO</div><div><div><div>PUBLICWORKS</div><div>DEPARTMENT</div></div></div><div>RIGHT OF WAY DIVISION</div></div>	<div>PIPELINE REHABILITATION AA-1</div> <div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div> <div>COUNCIL DISTRICT: 7</div>	<div>WBS: B-13217</div> <div>Date: 09-10-2014</div>
<div><div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div><div>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</div><div>PROJECT ENGINEER: FARLITO VALENZUELA</div><div>DRAFTER: NAPOLEON RIVERA</div></div>	<div><div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div></div><div>NO SCALE</div></div></div><div><div>LEGEND:</div><div><div><div><div>56688</div><div>333</div><div></div></div><div>FSN: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div></div><div><div><div></div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div><div><div><div><div></div><div>REHAB MANHOLE</div></div><div><div><div></div><div>REPLACE MANHOLE</div></div><div><div><div></div><div>REHAB PIPE SEGMENT</div></div><div><div><div></div><div>POINT REPAIR/REHAB PIPE</div></div></div></div></div></div><div><div>FSN: 50681,50679,50680,50755,50737,50678,50756,50754,50753,50752,50751,50750,50749,50748</div></div></div></div></div></div>	<div>Thomas Brothers Page: 1250B7</div> <div>Field Book Page: K16S</div> <div>SHEET NO. 24</div>



CITY OF SAN DIEGO
PUBLIC WORKS
 DEPARTMENT
 RIGHT OF WAY DIVISION

SENIOR ENGINEER:
 CARL E. SPIER, P.E.
 ASSOCIATE ENGINEER:
 MAHMOUD ORIQAT, P.E.
 PROJECT ENGINEER:
 FARLITO VALENZUELA
 DRAFTER:
 NAPOLEON RIVERA

PIPELINE REHABILITATION AA-1

COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7



NO SCALE

LEGEND:

- 56566 FSN: FACILITY SEQUENCE NUMBER
- 333 MANHOLE ID
- EXISTING MANHOLE & SEWER MAIN
- INSTALL NEW CLEANOUT
- MANHOLE REPAIR

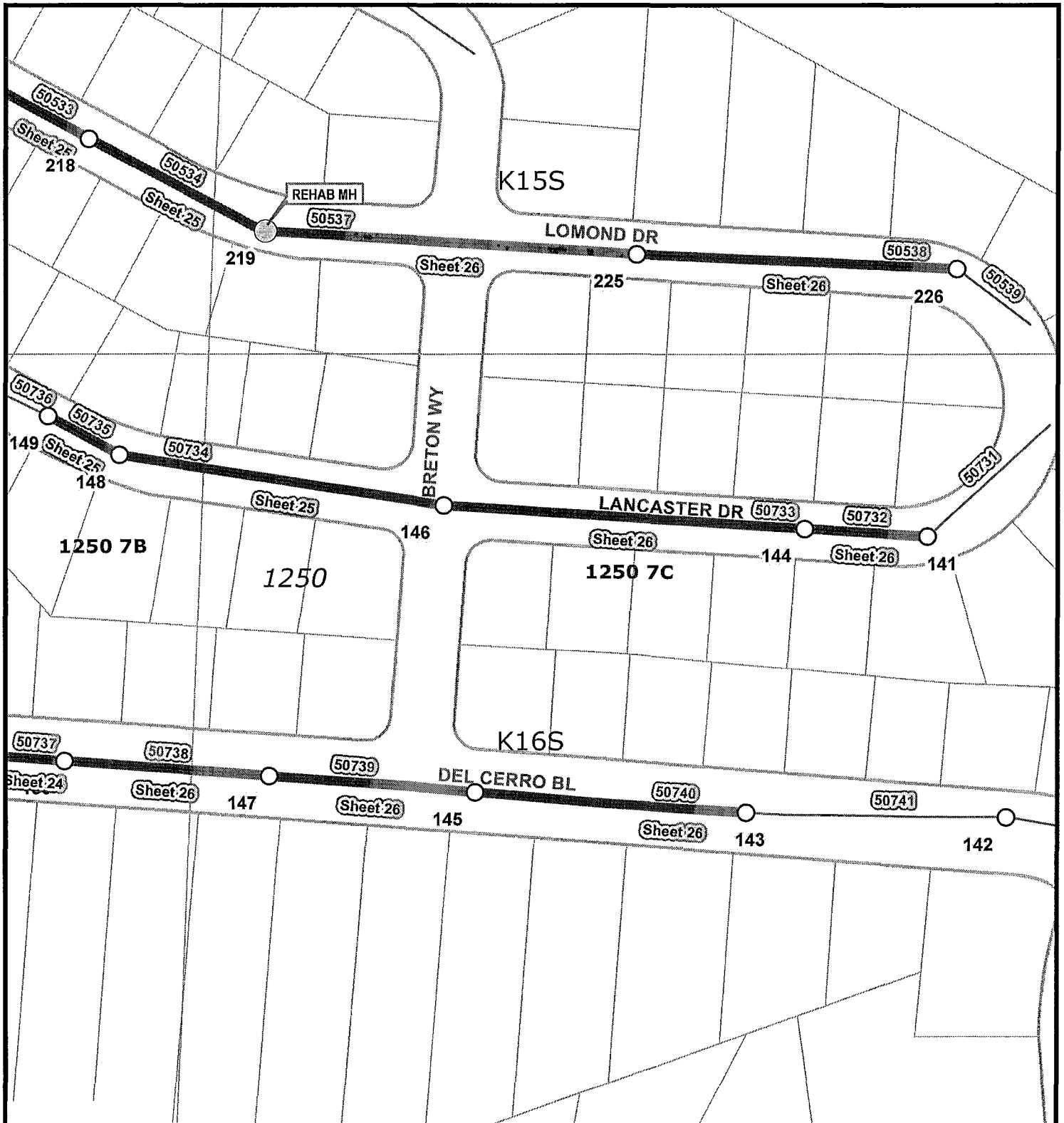
- REHAB MANHOLE
- REPLACE MANHOLE
- REHAB PIPE SEGMENT
- POINT REPAIR/REHAB PIPE

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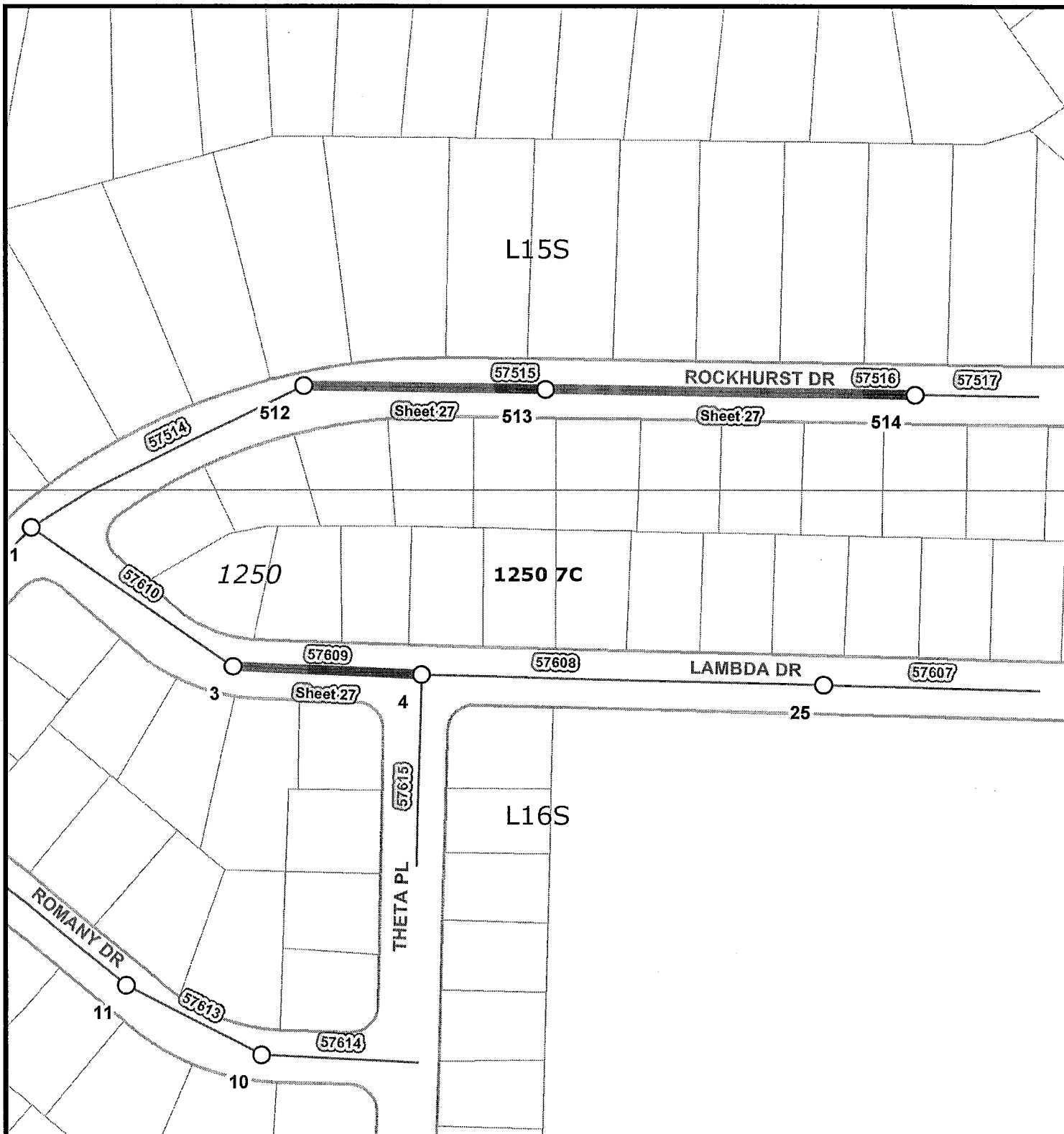
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 Date: 09-10-2014

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 Field Book Page:
K15S,K16S

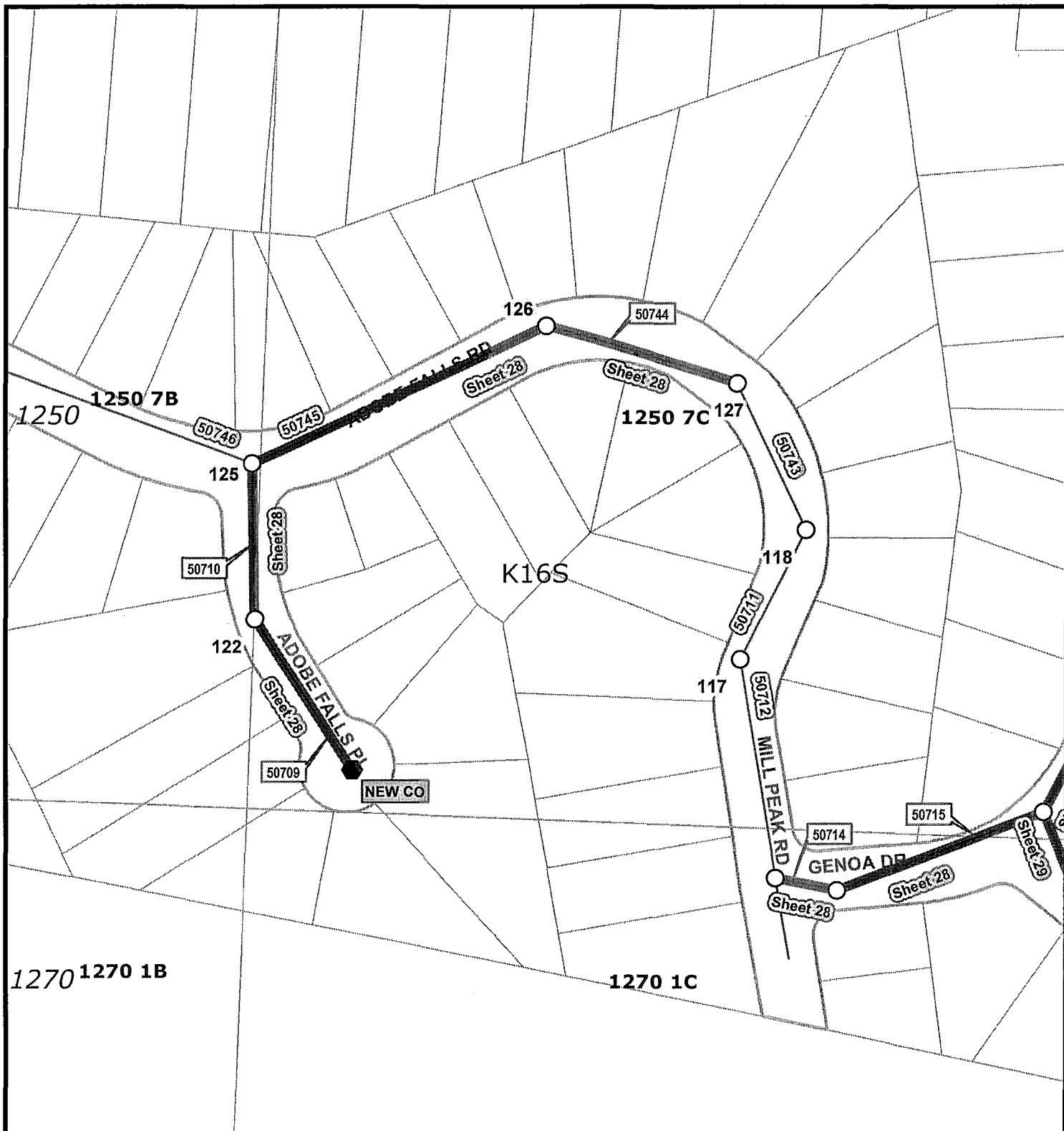
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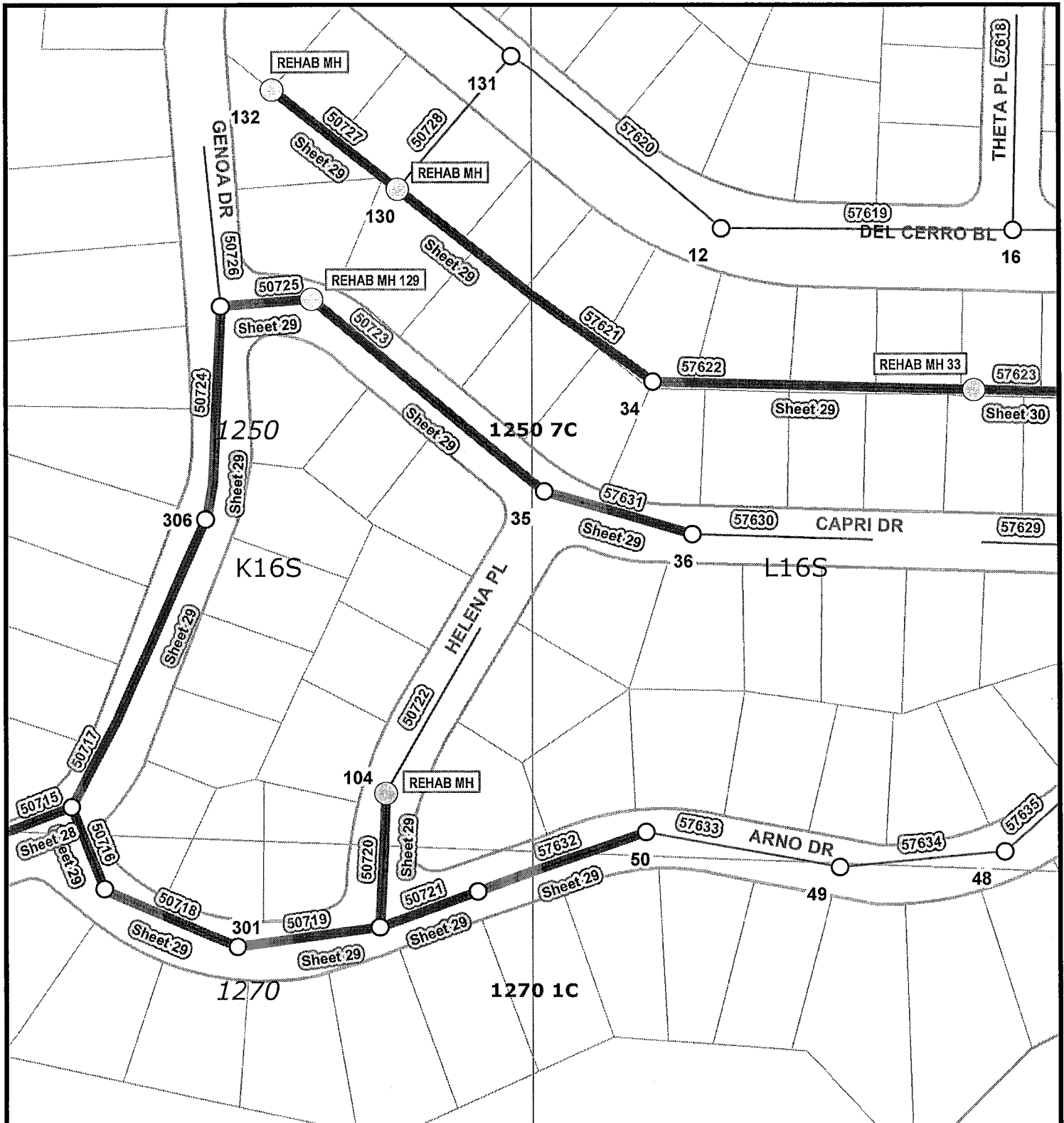
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<p>SENIOR ENGINEER: CARL E. SPIER, P.E. ASSOCIATE ENGINEER: MAHMOUD ORIQT, P.E. PROJECT ENGINEER: FARLITO VALENZUELA DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <table border="0"> <tr> <td> <p>66666 333 EXISTING MANHOLE & SEWER MAIN</p> </td><td> <p>FSN: FACILITY SEQUENCE NUMBER MANHOLE ID</p> </td><td> <p>REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE</p> </td></tr> <tr> <td> <p>● INSTALL NEW CLEANOUT</p> </td><td> <p>● MANHOLE REPAIR</p> </td><td></td></tr> </table> <p>FSN: 50537,50538,50733,50732,50738,50739,50740</p>	<p>66666 333 EXISTING MANHOLE & SEWER MAIN</p>	<p>FSN: FACILITY SEQUENCE NUMBER MANHOLE ID</p>	<p>REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE</p>	<p>● INSTALL NEW CLEANOUT</p>	<p>● MANHOLE REPAIR</p>		<p>Thomas Brothers Page: 1250C7 Field Book Page: K15S,K16S SHEET NO. 26</p>
<p>66666 333 EXISTING MANHOLE & SEWER MAIN</p>	<p>FSN: FACILITY SEQUENCE NUMBER MANHOLE ID</p>	<p>REHAB MANHOLE REPLACE MANHOLE REHAB PIPE SEGMENT POINT REPAIR/REHAB PIPE</p>						
<p>● INSTALL NEW CLEANOUT</p>	<p>● MANHOLE REPAIR</p>							



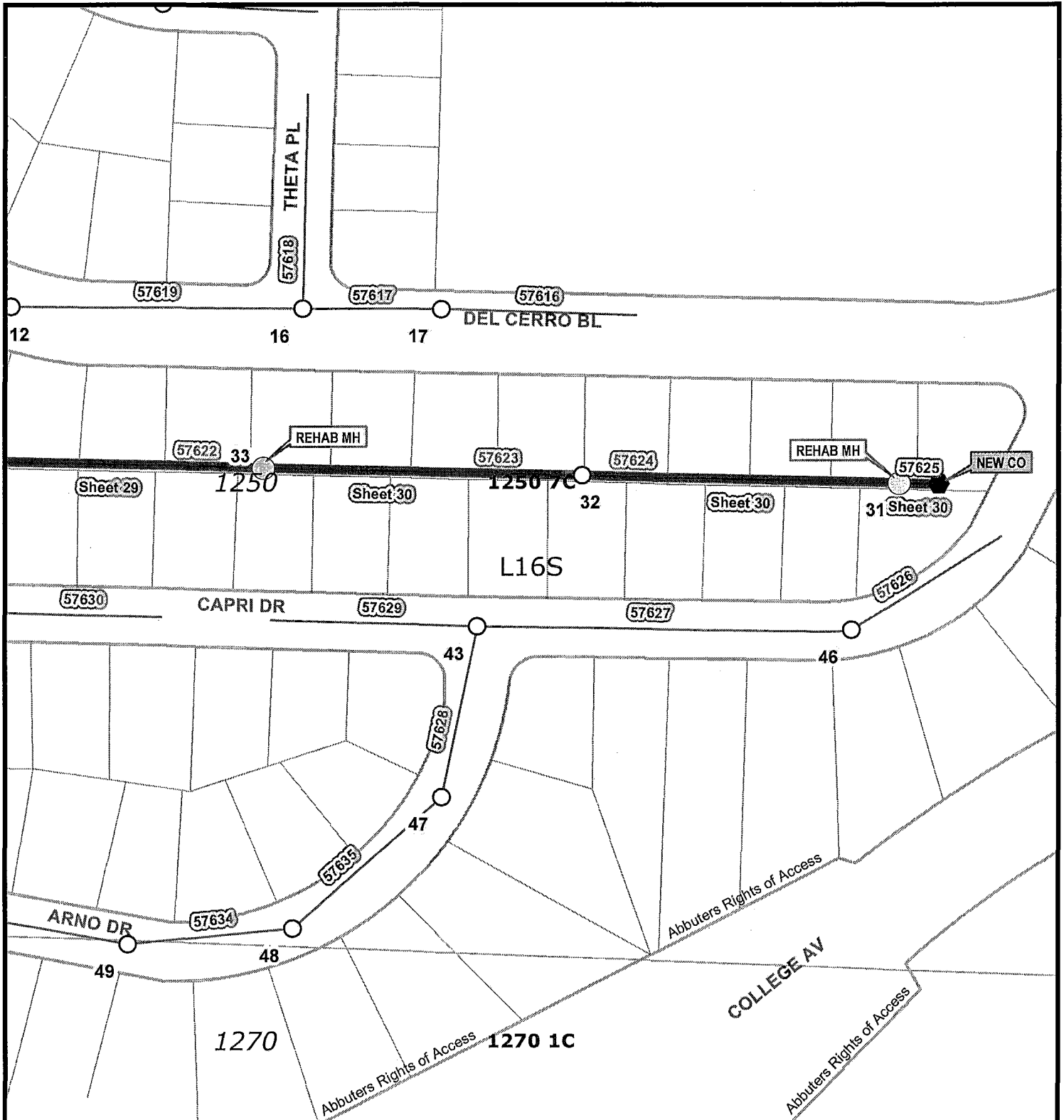
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<p>SENIOR ENGINEER: CARL E. SPIER, P.E.</p> <p>ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E.</p> <p>PROJECT ENGINEER: FARLITO VALENZUELA</p> <p>DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <p>(56565) FSN: FACILITY SEQUENCE NUMBER</p> <p>333 MANHOLE ID</p> <p>— EXISTING MANHOLE & SEWER MAIN</p> <p>● INSTALL NEW CLEANOUT</p> <p>● MANHOLE REPAIR</p> <p>● REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p> <p align="center">FSN: 57515,57516,57609</p>	<p>Thomas Brothers Page: 1250C7</p> <p>Field Book Page: L15S,L16S</p> <p>SHEET NO. 27</p>



<div><div>CITY OF SAN DIEGO</div><div><div><div><div></div></div><div><div>PUBLICWORKS</div></div><div><div>DEPARTMENT</div></div></div><div>RIGHT OF WAY DIVISION</div></div></div>	<div><div>PIPELINE REHABILITATION AA-1</div><div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO</div><div>COUNCIL DISTRICT: 7</div></div>	<div><div>WBS: B-13217</div><div>Date: 09-10-2014</div></div>
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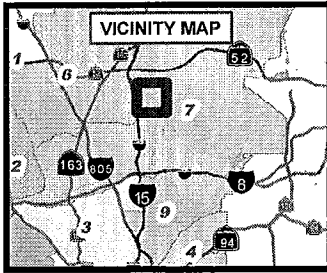


<p>CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT RIGHT OF WAY DIVISION</p>	<p>PIPELINE REHABILITATION AA-1 COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</p>	<p>WBS:B-13217 Date: 09-10-2014</p>			
<p>SENIOR ENGINEER: CARL E. SPIER, P.E. ASSOCIATE ENGINEER: MAHMOUD ORIQAT, P.E. PROJECT ENGINEER: FARLITO VALENZUELA DRAFTER: NAPOLEON RIVERA</p>	<p>LEGEND:</p> <table border="0"> <tr> <td> <p>56565 333</p> <p>—○—</p> <p>—●—</p> <p>—●—</p> </td> <td> <p>FSN: FACILITY SEQUENCE NUMBER</p> <p>MANHOLE ID</p> <p>EXISTING MANHOLE & SEWER MAIN</p> <p>INSTALL NEW CLEANOUT</p> <p>MANHOLE REPAIR</p> </td> <td> <p>○ REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p> </td></tr> </table> <p>FSN: 50727,57621,57622,57631,50723,50725,50724,50717,50716,50718,50719,50720,50721,57632</p>	<p>56565 333</p> <p>—○—</p> <p>—●—</p> <p>—●—</p>	<p>FSN: FACILITY SEQUENCE NUMBER</p> <p>MANHOLE ID</p> <p>EXISTING MANHOLE & SEWER MAIN</p> <p>INSTALL NEW CLEANOUT</p> <p>MANHOLE REPAIR</p>	<p>○ REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p>	<p>Thomas Brothers Page: 1250C7,1270C1 Field Book Page: K16S, L16S SHEET NO. 29</p>
<p>56565 333</p> <p>—○—</p> <p>—●—</p> <p>—●—</p>	<p>FSN: FACILITY SEQUENCE NUMBER</p> <p>MANHOLE ID</p> <p>EXISTING MANHOLE & SEWER MAIN</p> <p>INSTALL NEW CLEANOUT</p> <p>MANHOLE REPAIR</p>	<p>○ REHAB MANHOLE</p> <p>● REPLACE MANHOLE</p> <p>— REHAB PIPE SEGMENT</p> <p>— POINT REPAIR/REHAB PIPE</p>			



<div>CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT RIGHT OF WAY DIVISION</div>	<div>PIPELINE REHABILITATION AA-1</div> <div>COMMUNITY DISTRICT: TIERRASANTA & NAVAJO COUNCIL DISTRICT: 7</div>		<div>WBS: B-13217</div> <div>Date: 09-10-2014</div>
<div>SENIOR ENGINEER: CARL E. SPIER, P.E.</div> <div>ASSOCIATE ENGINEER: MAHMOUD ORIQT, P.E.</div> <div>PROJECT ENGINEER: FARLITO VALENZUELA</div> <div>DRAFTER: NAPOLEON RIVERA</div>	<div><div><div><div>N</div><div>W</div><div>E</div><div>S</div></div><div>NO SCALE</div></div><div><div>LEGEND:</div><div><div><div>66566</div><div>333</div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div></div><div><div>FNS: FACILITY SEQUENCE NUMBER</div><div>MANHOLE ID</div><div>EXISTING MANHOLE & SEWER MAIN</div><div>INSTALL NEW CLEANOUT</div><div>MANHOLE REPAIR</div></div></div></div><div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div></div></div><div><div>REHAB MANHOLE</div><div>REPLACE MANHOLE</div><div>REHAB PIPE SEGMENT</div><div>POINT REPAIR/REHAB PIPE</div></div></div></div>	<div>Thomas Brothers Page: 1250C7,1270C1</div> <div>Field Book Page: L16S</div>	
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APPENDIX H
ADJACENT PROJECTS

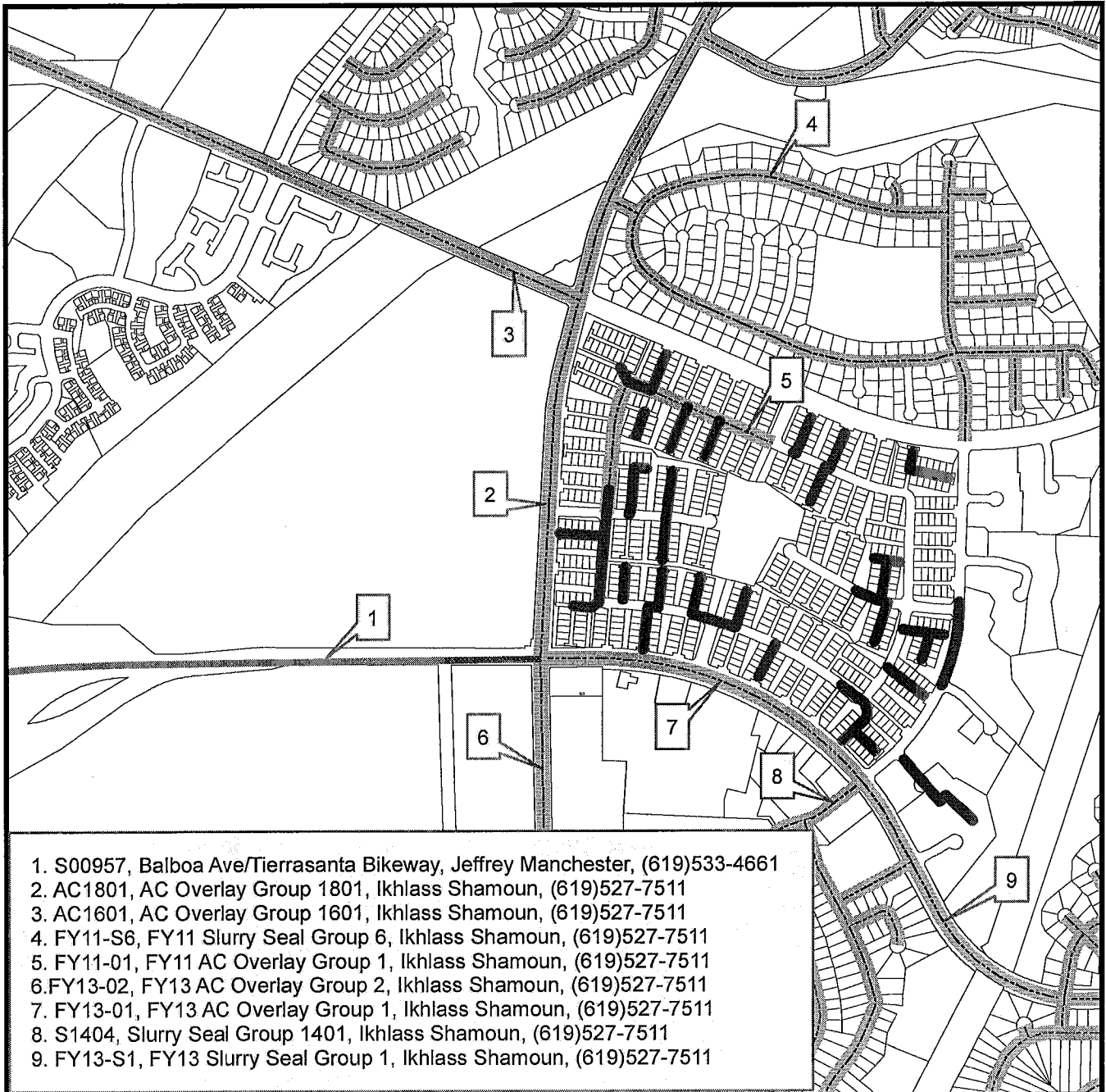


PIPELINE REHABILITATION AA -1

Adjacent Project
(Map 1 of 3)



RIGHT-OF-WAY DIVISION - SECTION I



1. S00957, Balboa Ave/Tierrasanta Bikeway, Jeffrey Manchester, (619)533-4661
2. AC1801, AC Overlay Group 1801, Ikhlass Shamoun, (619)527-7511
3. AC1601, AC Overlay Group 1601, Ikhlass Shamoun, (619)527-7511
4. FY11-S6, FY11 Slurry Seal Group 6, Ikhlass Shamoun, (619)527-7511
5. FY11-01, FY11 AC Overlay Group 1, Ikhlass Shamoun, (619)527-7511
6. FY13-02, FY13 AC Overlay Group 2, Ikhlass Shamoun, (619)527-7511
7. FY13-01, FY13 AC Overlay Group 1, Ikhlass Shamoun, (619)527-7511
8. S1404, Slurry Seal Group 1401, Ikhlass Shamoun, (619)527-7511
9. FY13-S1, FY13 Slurry Seal Group 1, Ikhlass Shamoun, (619)527-7511



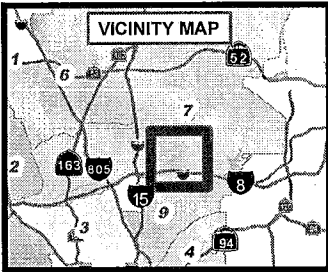
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Community Name: Tierrasanta & Navajo

Council District: 7

SAP ID# B13217

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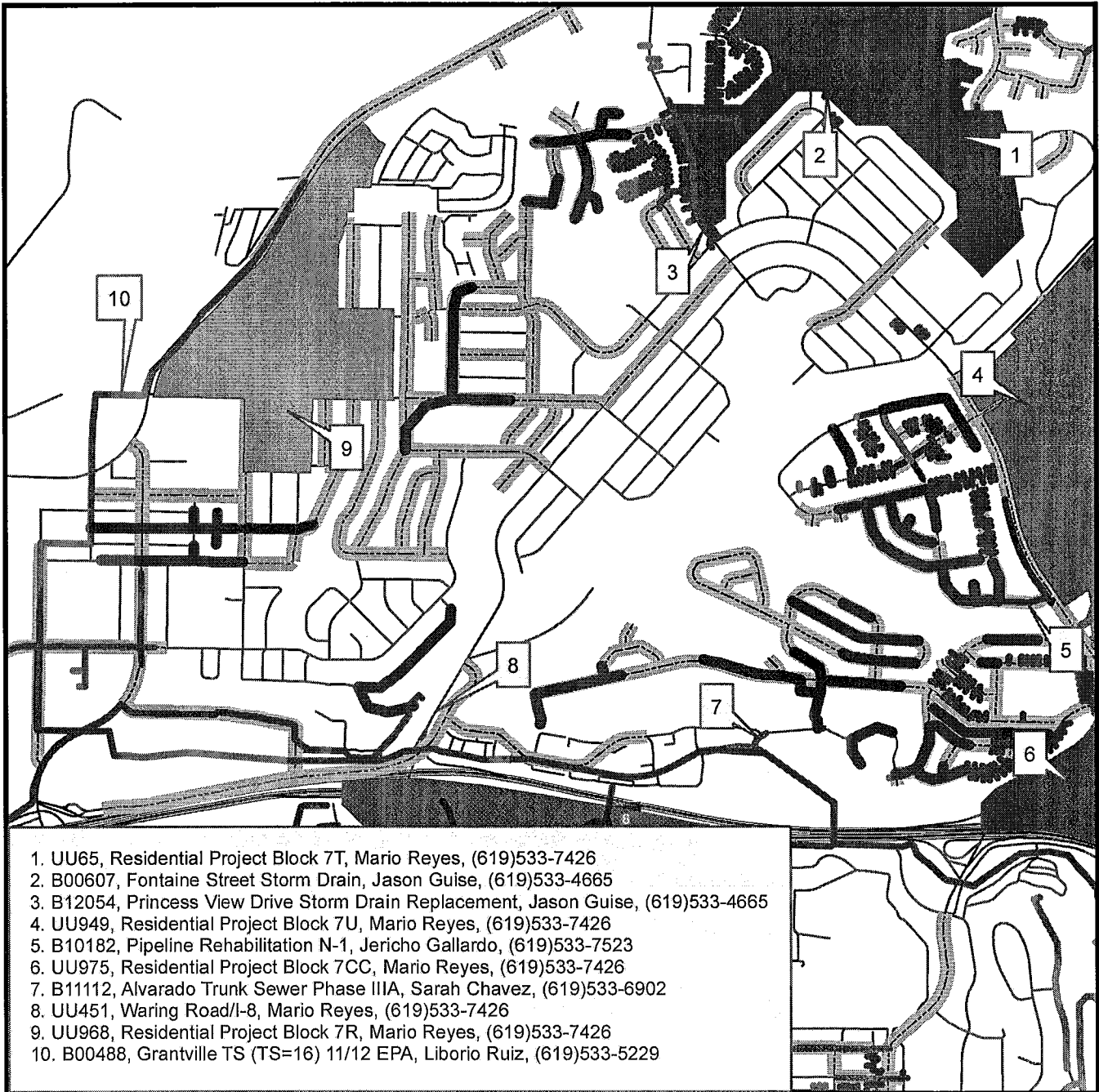
PIPELINE REHABILITATION AA -1

Adjacent Projects

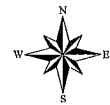
(Map 2 of 3)



RIGHT-OF-WAY DIVISION - SECTION I



1. UU65, Residential Project Block 7T, Mario Reyes, (619)533-7426
2. B00607, Fontaine Street Storm Drain, Jason Guise, (619)533-4665
3. B12054, Princess View Drive Storm Drain Replacement, Jason Guise, (619)533-4665
4. UU949, Residential Project Block 7U, Mario Reyes, (619)533-7426
5. B10182, Pipeline Rehabilitation N-1, Jericho Gallardo, (619)533-7523
6. UU975, Residential Project Block 7CC, Mario Reyes, (619)533-7426
7. B11112, Alvarado Trunk Sewer Phase IIIA, Sarah Chavez, (619)533-6902
8. UU451, Waring Road/I-8, Mario Reyes, (619)533-7426
9. UU968, Residential Project Block 7R, Mario Reyes, (619)533-7426
10. B00488, Grantville TS (TS=16) 11/12 EPA, Liborio Ruiz, (619)533-5229



No Scale
SAP ID# B13217

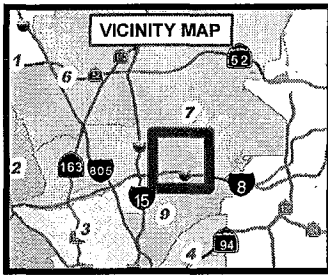
Community Name: Tierrasanta & Navajo

Council District: 7

Date: 09-10-2014

Appendix H – Adjacent Projects Volume 1 of 2 (Rev. Dec. 2014)

125 | Page



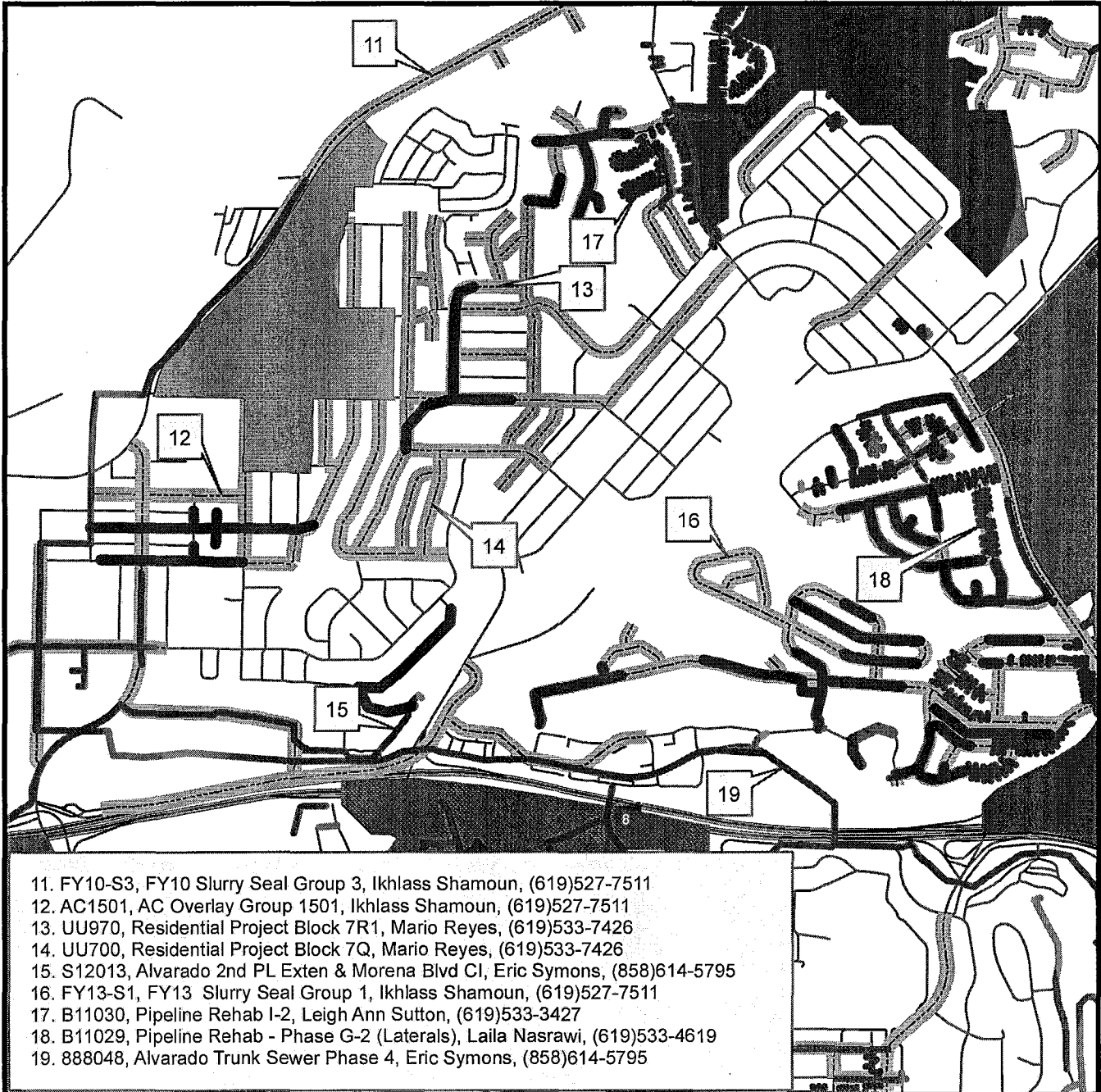
PIPELINE REHABILITATION AA -1

Adjacent Projects

(Map 3 of 3)



RIGHT-OF-WAY DIVISION - SECTION I



- 11. FY10-S3, FY10 Slurry Seal Group 3, Ikhlass Shamoun, (619)527-7511
- 12. AC1501, AC Overlay Group 1501, Ikhlass Shamoun, (619)527-7511
- 13. UU970, Residential Project Block 7R1, Mario Reyes, (619)533-7426
- 14. UU700, Residential Project Block 7Q, Mario Reyes, (619)533-7426
- 15. S12013, Alvarado 2nd PL Exten & Morena Blvd CI, Eric Symons, (858)614-5795
- 16. FY13-S1, FY13 Slurry Seal Group 1, Ikhlass Shamoun, (619)527-7511
- 17. B11030, Pipeline Rehab I-2, Leigh Ann Sutton, (619)533-3427
- 18. B11029, Pipeline Rehab - Phase G-2 (Laterals), Laila Nasrawi, (619)533-4619
- 19. 888048, Alvarado Trunk Sewer Phase 4, Eric Symons, (858)614-5795



No Scale
SAP ID# B13217

Community Name: Tierrasanta & Navajo

Council District: 7

Date: 09-10-2014

Appendix H – Adjacent Projects Volume 1 of 2 (Rev. Dec. 2014)

126 | Page

APPENDIX I
SEWER MAINS TABLE

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
42756	J12S	13	J12S	7	290	8	VC	0	Rehab		Overlay moratorium starts 9/2012
42757	J12S	12	J12S	13	264	8	VC	12	Rehab		
42758	J12S	14	J12S	13	216	8	VC	0	Rehab		
42760	J12S	16	J12S	14	176	8	VC	0	Rehab		
42765	J12S	21	J12S	16	58	8	VC	0	Rehab		
42768	J12S	17	J12S	21	101	8	VC	2	REHAB		
42769	J12S	27	J12S	25	64	8	VC	2	Point Repair/Rehab		
42776	J12S	41	J12S	26	256	8	VC	12	Rehab		
42778	J12S	29	J12S	31	194	8	VC	10	Point Repair/Rehab		
42779	J12S	39	J12S	38	193	8	VC	10	Rehab		
42782	J12S	38	J12S	35	28	8	VC	0	Rehab		
42784	J12S	33	J12S	30	28	8	VC	0	Rehab		
42786	J12S	34	J12S	33	237	8	VC	10	Point Repair/Rehab		
42789	J12S	46	J12S	47	273	8	VC	0	Point Repair/Rehab		
42790	J12S	37	J12S	47	28	8	VC	0	REHAB		
42791	J12S	45	J12S	37	196	8	VC	10	REHAB		
42792	J12S	51	J12S	46	230	8	VC	10	Point Repair/Rehab		
42797	J12S	300	J12S	50	230	8	VC	10	Rehab		
42801	J12S	59	J12S	60	238	8	VC	10	Rehab		
42811	J12S	62	J12S	61	157	8	VC	0	Rehab		
42812	J12S	61	J12S	60	48	8	VC	0	Rehab		
42814	J12S	PLUG	J12S	74	75	8	VC	2	Point Repair/Rehab	Add cleanout	
42815	J12S	74	J12S	61	244	8	VC	9	REHAB		
42816	J12S	PLUG	J12S	74	75	8	VC	2	REHAB	Add cleanout	
42822	J12S	81	J12S	80	89	10	VC	0	Rehab		Overlay moratorium starts 9/2012
42823	J12S	84	J12S	81	147	8	VC	0	Rehab		Overlay moratorium starts 9/2012
42824	J12S	108	J12S	84	232	8	VC	12	Rehab		Overlay moratorium starts 9/2012
42828	J12S	88	J12S	87	139	8	VC	8	Rehab		
42831	J12S	PLUG	J12S	89	86	8	VC	3	Rehab	Add cleanout	
42832	J12S	25	J12S	89	220	8	VC	10	Rehab		
42833	J12S	92	J12S	26	296	8	VC	14	Point Repair/Rehab		
42834	J12S	91	J12S	107	273	8	VC	14	Rehab		Overlay moratorium starts 9/2012
42835	J12S	93	J12S	105	235	8	VC	12	Rehab		Overlay moratorium starts 9/2012
42838	J12S	67	J12S	100	230	8	VC	10	Rehab		
42845	J12S	112	J12S	101	227	8	VC	10	Rehab		
42862	J12S	PLUG	J12S	137	97	8	VC	3	Rehab	Add cleanout	
42864	J12S	139	J12S	137	215	8	VC	12	Rehab		
42889	J12S	154	J12S	153	165	8	VC	3	REHAB		
42890	J12S	204	J12S	154	152	8	VC	8	Rehab		
42891	J12S	159	J12S	205	289	8	VC	1	Rehab		
42892	J12S	PLUG	J12S	154	74	8	VC	3	Rehab	Add cleanout	

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
42893	J12S	160	J12S	159	220	8	VC	0	Rehab		
42926	J12S	206	J12S	319	272	8	VC	12	Rehab		
42928	J12S	PLUG	J12S	210	100	8	VC	2	Rehab	Add cleanout	
42929	J12S	210	J12S	211	210	8	VC	2	Rehab		
42930	J12S	211	J12S	212	44	8	VC	0	Rehab		
42931	J12S	212	J12S	217	210	8	VC	2	Rehab		Easement
43014	J12S	PLUG	J12S	333	82	8	VC	3	Rehab	Add cleanout	
43023	J12S	312	J12S	313	169	8	VC	0	Point Repair/Rehab		
43026	J12S	333	J12S	312	205	8	VC	2	Rehab		
43027	J12S	311	J12S	333	177	8	VC	8	Rehab		
43029	J12S	101	J12S	102	10	8	VC	0	Rehab		
43035	J12S	113	J12S	99	227	8	VC	10	Rehab		
43266	J15S	75	J15S	74	246	8	VC	2	Rehab		Overlay Start Const. 4/2015
43269	J15S	76	J15S	75	355	8	VC	1	Rehab		Overlay Start Const. 4/2015 . Easement
43291	J15S	214	J15S	113	306	8	VC	5	Rehab		Overlay contract start const. 9/2014
43292	J15S	113	J15S	116	291	8	VC	6	Rehab		Overlay contract start const. 9/2014
43298	J15S	114	J15S	131	295	8	VC	2	Rehab		Overlay contract start const. 9/2014
43299	J15S	PLUG	J15S	352	80	8	VC	4	Rehab	Add cleanout	
43300	J15S	PLUG	J15S	120	174	8	VC	4	Rehab	Add cleanout	
43301	J15S	352	J15S	120	166	8	VC	4	Rehab		
43302	J15S	PLUG	J15S	120	184	8	VC	4	Rehab	Add cleanout	
43303	J15S	131	J15S	130	270	8	VC	5	Rehab		
43304	J15S	PLUG	J15S	130	180	8	VC	2	Rehab	Add cleanout	
43305	J15S	120	J15S	125	255	8	VC	5	Rehab		
43306	J15S	PLUG	J15S	125	190	8	VC	2	Rehab	Add cleanout	
43309	J15S	125	J15S	124	234	8	VC	7	Rehab		
43310	J15S	130	J15S	129	300	8	VC	7	Rehab		
43311	J15S	129	J15S	259	290	8	VC	6	Rehab		Overlay contract start const. 9/2014
43343	J15S	310	J15S	126	209	8	VC	5	Rehab		
43369	J15S	202	J15S	214	197	8	VC	0	Rehab		Overlay contract start const. 9/2014
43392	J15S	259	J15S	258	155	8	VC	0	Rehab		Overlay contract start const. 9/2014
43393	J15S	258	J15S	257	300	8	VC	6	Rehab		
43402	J15S	253	J15S	432	246	8	VC	8	Rehab		
43403	J15S	252	J15S	253	330	8	VC	9	Rehab		Overlay contract start const. 9/2014
43404	J15S	124	J15S	252	346	8	VC	5	Rehab		Overlay contract start const. 9/2014
43523	J16S	118	J16S	117	126	8	VC	0	Rehab		Easement
43524	J16S	119	J16S	118	182	8	VC	1	Rehab		Easement
43525	J16S	120	J16S	119	230	8	VC	6	Rehab		Easement
43528	J16S	123	J16S	120	261	8	VC	2	Rehab		
43529	J16S	124	J16S	123	254	8	VC	6	Rehab		
43653	J16S	125	J16S	124	296	8	VC	10	Rehab		

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
43654	J16S	126	J16S	125	350	8	VC	12	Rehab		
50059	K14S	PLUG	K14S	12	178	8	VC	10	Rehab	Add cleanout	
50268	K14S	243	K14S	279	207	8	VC	0	Rehab		Overlay contract in const. 7/2013-02/2014
50271	K14S	244	K14S	276	298	8	VC	8	Rehab		Overlay contract in const. 7/2013-02/2014
50276	K14S	265	K14S	264	178	8	VC	5	Rehab		Overlay moratorium starts 4/2015
50290	K14S	PLUG	K14S	284	97	8	VC	7	Rehab	Add cleanout	
50311	K14S	PLUG	K14S	285	126	8	VC	7	Rehab	Add cleanout	
50312	K14S	285	K14S	283	136	8	VC	3	Rehab		
50313	K14S	284	K14S	283	229	8	VC	5	Rehab		
50314	K14S	283	K14S	282	190	8	VC	4	Rehab		
50315	K14S	282	K14S	281	199	8	VC	5	Rehab		
50316	K14S	281	K14S	280	257	8	VC	5	Rehab		
50317	K14S	297	K14S	280	252	8	VC	6	Rehab		
50318	K14S	12	K14S	297	231	8	VC	3	Rehab		
50319	K14S	298	K14S	297	314	8	VC	10	Rehab		
50321	K14S	279	K14S	280	295	8	VC	2	Rehab		Overlay contract in const. 7/2013-02/2014
50324	K14S	276	K14S	277	289	8	VC	4	Rehab		Overlay contract in const. 7/2013-02/2014
50346	K15S	264	K15S	2	200	8	VC	3	Rehab		Overlay moratorium starts 4/2015
50349	K15S	2	K15S	15	258	8	VC	3	Rehab		Overlay moratorium starts 3/2014 & Slurry moratorium starts 01/2012
50356	K15S	15	K15S	19	256	8	VC	4	Rehab		Slurry moratorium starts 01/2012
50357	K15S	19	K15S	27	256	8	VC	4	Rehab		Slurry moratorium starts 02/2012
50358	K15S	27	K15S	28	258	8	VC	4	Rehab		Overlay moratorium starts 3/2014 & Slurry moratorium starts 01/2012
50363	K15S	30	K15S	29	350	8	VC	6	Rehab		Overlay contract in const. 7/2013-02/2014 conflict/ take off
50364	K15S	29	K15S	28	300	8	VC	5	Rehab		Overlay contract in const. 7/2013-02/2014
50365	K15S	28	K15S	76	307	8	VC	0	Rehab		Overlay contract in const. 7/2013-02/2014
50453	K15S	131	K15S	132	90	8	VC	0	Rehab		
50454	K15S	130	K15S	131	237	8	VC	4	Rehab		
50455	K15S	PLUG	K15S	130	124	8	VC	4	Rehab	Add cleanout	
50471	K15S	PLUG	K15S	148	113	8	VC	5	Rehab	Add cleanout	was not done as part of Rehab I
50473	L15S	141	L15S	140	323	8	VC	9	Rehab		
50474	L15S	149	L15S	141	339	8	VC	8	Rehab		
50475	L15S	150	L15S	149	85	8	VC	2	Rehab		
50529	K15S	216	K15S	213	350	8	VC	8	Rehab		
50533	K15S	218	K15S	216	350	8	VC	9	Rehab		
50534	K15S	219	K15S	218	174	8	VC	5	Rehab		
50535	K15S	223	K15S	220	350	8	VC	9	Rehab		Slurry Moratorium starts 4/2013
50537	K15S	225	K15S	219	350	8	VC	6	Rehab		
50538	K15S	226	K15S	225	309	8	VC	7	Rehab		

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
50540	L15S	511	L15S	227	231	8	VC	5	Rehab		Slurry Moratorium starts 5/2012
50541	L15S	227	L15S	228	225	8	VC	6	Rehab		Slurry start moratorium 5/12
50542	L15S	507	L15S	228	228	8	VC	4	Rehab		Slurry start moratorium 4/12
50543	K15	228	K15S	229	180	8	VC	2	Rehab		Overlay SC=9/14, EC=4/15
50544	K15S	229	K15S	230	269	8	VC	8	Rehab		Overlay starts Const. 9/2014
50545	K15S	230	K15S	231	300	8	VC	8	Rehab		Overlay starts Const. 9/2014
50546	K15S	231	K15S	232	183	8	VC	6	Rehab		Overlay starts Const. 9/2014
50547	K15S	232	K15S	253	335	8	VC	6	Rehab		Overlay starts Const. 9/2014
50549	K15S	252	K15S	256	215	8	VC	7	Rehab		Overlay Moratorium starts 10/2011
50553	K15S	128	K15S	275	151	8	VC	5	Rehab		
50556	K15S	253	K15S	251	277	8	VC	8	Rehab		Overlay Moratorium starts 10/2011
50557	K15S	233	K15S	251	300	8	VC	4	Rehab		per email, overlay contract will be postponed.
50558	K15S	234	K15S	233	138	8	VC	3	Point Repair/Rehab		per email, overlay contract will be postponed.
50559	K15S	PLUG	K15S	234	178	8	VC	4	Rehab	Add cleanout	per email, overlay contract will be postponed.
50560	K15S	238	K15S	234	205	8	VC	5	Rehab		per email, overlay contract will be postponed.
50561	K15S	PLUG	K15S	238	150	8	VC	5	Rehab	Add cleanout	per email, overlay contract will be postponed.
50563	K15S	242	K15S	246	240	8	VC	4	Rehab		
50564	K15S	246	K15S	248	219	8	VC	1	Rehab		Overlay Moratorium starts 10/2011
50568	K15S	250	K15S	248	125	8	VC	2	Rehab		Overlay Moratorium starts 10/2011
50569	K15S	251	K15S	250	334	8	VC	10	Rehab		Overlay Moratorium starts 10/2011
50595	K15S	PLUG	K15S	308	152	8	VC	6	Rehab	Add cleanout	
50596	K15S	308	K15S	310	250	8	VC	8	Rehab		
50630	K16S	69	K16S	17	260	8	VC	5	Rehab		Slurry Moratorium starts 5/2013
50631	K16S	17	K16S	18	120	8	VC	2	Rehab		Easement
50632	K16S	18	K16S	19	50	8	VC	0	Rehab		Easement
50633	K16S	19	K16S	21	140	8	VC	0	Rehab		Easement
50634	K16S	21	K16S	20	53	8	VC	0	Rehab		Easement
50673	K16S	66	K16S	67	200	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50674	K16S	61	K16S	67	141	8	VC	1	Rehab		Slurry Moratorium starts 5/2013
50675	K16S	67	K16S	68	275	8	VC	5	Rehab		Slurry Moratorium starts 5/2013
50676	K16S	68	K16S	69	275	8	VC	6	Rehab		Slurry Moratorium starts 5/2013
50678	K16S	70	K16S	151	335	8	VC	8	Rehab		Slurry Moratorium starts 4/2013
50679	K16S	71	K16S	72	123	8	VC	2	Rehab		Easement
50680	K16S	72	K16S	156	183	8	VC	1	Rehab		Easement
50681	K16S	77	K16S	71	214	8	VC	3	Rehab		Slurry Moratorium starts 5/2013
50682	K16S	79	K16S	77	233	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50684	K16S	80	K16S	79	153	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50685	K16S	81	K16S	80	350	8	VC	8	Rehab		Slurry Moratorium starts 5/2013
50686	K16S	82	K16S	81	181	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50709	K16S	PLUG	K16S	122	169	8	VC	9	Rehab	Add cleanout	
50710	K16S	122	K16S	125	143	8	VC	1	Rehab		

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
50714	K16S	310	K16S	116	59	8	VC	0	Rehab		Slurry Moratorium starts 5/2013
50715	K16S	308	K16S	310	208	8	VC	2	Rehab		Slurry Moratorium starts 5/2013
50716	L16S	304	L16S	308	82	8	VC	1	Rehab		Slurry Moratorium starts 5/2013
50717	K16S	306	K16S	308	306	8	VC	8	Rehab		Slurry Moratorium starts 5/2013
50718	L16S	301	L16S	304	133	8	VC	3	Rehab		Slurry Moratorium starts 5/2013
50719	L16S	103	L16S	301	136	8	VC	2	Rehab		Slurry Moratorium starts 5/2013
50720	K16S	104	K16S	103	129	8	VC	1	Rehab		Slurry Moratorium starts 5/2013
50721	L16S	102	L16S	103	94	8	VC	1	Rehab		Slurry Moratorium starts 5/2013
50723	K16S	35	K16S	129	274	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50724	K16S	128	K16S	306	205	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50725	K16S	129	K16S	128	87	8	VC	0	Rehab		Slurry Moratorium starts 5/2013
50727	K16S	132	L16S	130	155	8	VC	2	Rehab		Easement
50732	K15S	141	K15S	144	109	8	VC	3	Rehab		Slurry Moratorium starts 5/2013
50733	K15S	144	K15S	146	350	8	VC	8	Rehab		Slurry Moratorium starts 5/2013
50734	K15S	146	K15S	148	310	8	VC	7	Rehab		Slurry Moratorium starts 5/2013
50735	K15S	148	K15S	149	79	8	VC	2	Rehab		Slurry Moratorium starts 5/2013
50737	K16S	150	K16S	152	250	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50738	K16S	147	K16S	150	200	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50739	K16S	145	K16S	147	200	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
50740	K16S	143	K16S	145	250	8	VC	7	Rehab		Slurry Moratorium starts 5/2013
50744	K16S	127	K16S	126	180	8	VC	4	Rehab		
50745	K16S	126	K16S	125	314	8	VC	8	Rehab		
50748	K16S	74	K16S	123	100	8	VC	0	Point Repair/Rehab		Easement
50749	K16S	73	K16S	74	48	8	VC	0	Rehab		Easement
50750	K16S	157	K16S	73	31	8	VC	0	Point Repair/Rehab		Easement
50751	K16S	155	K16S	157	145	8	VC	0	Point Repair/Rehab		Easement
50752	K16S	154	K16S	155	90	8	VC	0	Rehab		Easement
50753	K16S	153	K16S	154	14	8	VC	0	Rehab		Easement
50754	K16S	152	K16S	153	139	8	VC	1	Point Repair/Rehab		Slurry Moratorium starts 4/2013
50755	K16S	156	K16S	154	53	8	VC	0	Rehab		Easement
50756	K16S	151	K16S	152	155	8	VC	2	Rehab		Slurry Moratorium starts 4/2013
57140	L15S	25	L15S	150	350	8	VC	7	Rehab		Overlay starts Const. 9/2014
57141	L15S	26	L15S	25	291	8	VC	8	Rehab		Overlay starts Const. 9/2014
57477	L15S	PLUG	L15S	507	200	8	VC	5	Rehab	Add cleanout	Slurry start moratorium 4/12
57506	L15S	PLUG	L15S	505	200	8	VC	7	Rehab	Add cleanout	Slurry start moratorium 6/12
57507	L15S	510	L15S	511	208	8	VC	5	Rehab		Slurry Moratorium starts 5/2012
57508	L15S	PLUG	L15S	510	200	8	VC	5	Rehab	Add cleanout	Slurry start moratorium 5/12
57509	L15S	509	L15S	510	145	8	VC	4	Rehab		Slurry start moratorium 5/12
57510	L15S	504	L15S	509	119	8	VC	2	Rehab		Slurry start moratorium 5/12
57511	L15S	505	L15S	504	255	8	VC	4	Rehab		Slurry Moratorium starts 6/2012
57515	L15S	513	L15S	512	235	8	VC	5	Rehab		Slurry Moratorium starts 5/2013

REHABILITATION AA-1 PIPELINE MAINS TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	DS FIELD BOOK PAGE	DS MH	LENGTH	SIZE	MATERIAL	LATERALS	PIPELINE MAIN ACTION	REMARKS	PEPC review
57516	L15S	514	L15S	513	350	8	VC	9	Rehab		Slurry Moratorium starts 5/2013
57609	L16S	4	L16S	3	181	8	VC	4	Rehab		Slurry Moratorium starts 5/2013
57621	L16S	34	L16S	130	302	8	VC	4	Rehab		Easement
57622	L16S	33	L16S	34	300	8	VC	3	Rehab		Easement
57623	L16S	32	L16S	33	300	8	VC	3	Rehab		Easement
57624	L16S	31	L16S	32	300	8	VC	3	Rehab		Easement
57625	L16S	PLUG	L16S	31	34	8	VC	2	Rehab	Add cleanout	Easement
57631	L16S	36	K16S	35	149	8	VC	2	Rehab		Slurry Moratorium starts 5/2013
57632	K16S	50	K16S	102	184	8	VC	5	Rehab		Slurry Moratorium starts 5/2013

 These segments to be constructed late in contract to avoid conflict

Total Footage:	42,815
Total Mileage:	8.11

APPENDIX J
SEWER MANHOLES TABLE

REHABILITATION AA-1 MANHOLES TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	US MH FSN	US MH ACTION	US MH DEPTH +/-	DS FIELD BOOK PAGE	DS MH	DS MH FSN	DS MH ACTION	DS MH DEPTH	PEPC review
42756	J12S	13	109609	Rehab MH	17	J12S	7	109603		12	Overlay moratorium starts 9/2012
42757	J12S	12	109608	Rehab MH	13	J12S	13	109609	Rehab MH	17	
42758	J12S	14	109610		20	J12S	13	109609	Rehab MH	17	
42760	J12S	16	109612	Rehab MH	22	J12S	14	109610		20	
42765	J12S	21	109616	Rehab MH	8	J12S	16	109612	Rehab MH	22	
42768	J12S		109613	Replace MH	8	J12S	21	109616	Rehab MH	8	
42769	J12S	27	109622	Rehab MH	13	J12S		109620	Replace MH	13	
42776	J12S		109636	Replace MH	7	J12S	26	109621	REHAB MH	14	
42778	J12S	29	109624	Repair & Rehab MH	8	J12S	31	109626	Rehab MH	8	
42784	J12S	33	109628	Repair & Rehab MH	8	J12S	30	109625	Rehab MH	20	
42786	J12S	34	109629	Rehab MH	8	J12S	33	109628	Repair & Rehab MH	8	
42789	J12S	46	109641	Repair & Rehab MH	15	J12S	47	109642		19	
42791	J12S	45	109640	Repair & Rehab MH	8	J12S	37	109632	Rehab MH	8	
42792	J12S		109646	Replace MH	8	J12S	46	109641	Repair & Rehab MH	15	
42797	J12S	300	109872	Rehab MH	8	J12S	50	109645	Rehab MH	13	
42801	J12S		109653	Replace MH	7	J12S	60	109654	Rehab MH	13	
42811	J12S	62	109656	Rehab MH	11	J12S	61	109655	Rehab MH	13	
42812	J12S	61	109655	Rehab MH	13	J12S	60	109654	Rehab MH	13	
42814	J12S	PLUG		Install Cleanout		J12S	74	109667	Rehab MH	9	
42815	J12S	74	109667	Rehab MH	9	J12S	61	109655	Rehab MH	13	
42816	J12S	PLUG		Install Cleanout		J12S	74	109667	Rehab MH	9	
42822	J12S	81	109672	Rehab MH	9	J12S	80	109671		9	Overlay moratorium starts 9/2012
42823	J12S	84	109675		9	J12S	81	109672	Rehab MH	9	Overlay moratorium starts 9/2012
42828	J12S	88	109679	Rehab MH	7	J12S	87	109678	Replace MH	8	
42831	J12S	PLUG		Install Cleanout		J12S	89	109680	Replace MH	9	
42832	J12S		109620	Replace MH	13	J12S	89	109680	Replace MH	9	
42833	J12S		109683	Replace MH	7	J12S	26	109621	REHAB MH	14	
42845	J12S	112	109703	Rehab MH	8	J12S	101	109692	Rehab MH	7	
42862	J12S	PLUG		Install Cleanout		J12S	137	109723	Rehab MH	8	
42864	J12S	139	109725		7	J12S	137	109723	Rehab MH	8	
42889	J12S	154	109737	Rehab MH	12	J12S	153	109736	Rehab MH	11	
42890	J12S		109781	Replace MH	7	J12S	154	109737	Rehab MH	12	
42891	J12S	159	109739	REHAB MH	8	J12S	205	109782		9	
42892	J12S	PLUG		Install Cleanout		J12S	154	109737	Rehab MH	12	
42893	J12S	160	109740		8	J12S	159	109739	REHAB MH	8	
42926	J12S		109783	Replace MH	8	J12S	319	109889	REHAB MH	8	
42928	J12S	PLUG		Install Cleanout		J12S	210	109787		8	
43014	J12S	PLUG		Install Cleanout		J12S	339	109891	Replace MH	8	
43023	J12S	312	109882	REHAB MH	7	J12S	313	109883	REHAB MH	8	
43026	J12S		109891	Replace MH	8	J12S	312	109882	REHAB MH	7	
43027	J12S		109881	Replace MH	8	J12S		109891	Replace MH	8	
43029	J12S	101	109692	Rehab MH	7	J12S	102	109693		7	

REHABILITATION AA-1 MANHOLES TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	US MH FSN	US MH ACTION	US MH DEPTH +/-	DS FIELD BOOK PAGE	DS MH	DS MH FSN	DS MH ACTION	DS MH DEPTH	PEPC review
43266	J15S	75	110111	Rehab MH	9	J15S	74	110110		6	Overlay Start Const. 4/2015
43269	J15S	76	110112		8	J15S	75	110111	Rehab MH	9	Overlay Start Const. 4/2015 . Easement
43299	J15S	PLUG		Install Cleanout		J15S	352	110259		7	
43300	J15S	PLUG		Install Cleanout		J15S	120	110148	Rehab MH	7	
43301	J15S	352	110259		7	J15S	120	110148	Rehab MH	7	
43302	J15S	PLUG		Install Cleanout		J15S	120	110148	Rehab MH	7	
43303	J15S	131	110157		10	J15S	130	110156	Rehab MH	8	
43304	J15S	PLUG		Install Cleanout		J15S	130	110156	Rehab MH	8	
43305	J15S	120	110148	Rehab MH	7	J15S	125	110152		10	
43306	J15S	PLUG		Install Cleanout		J15S	125	110152		10	
43310	J15S	130	110156	Rehab MH	8	J15S	129	110155	REHAB MH	9	
43311	J15S	129	110155	REHAB MH	9	J15S	259	110238		12	Overlay contract start const. 9/2014
43343	J15S	310	117219		7	J15S	126	110359	Rehab MH	7	
43402	J15S	253	110232	Repair & Rehab MH	10	J15S	432	5652052		8	
43403	J15S	252	110231	Rehab MH	11	J15S	253	110232	Repair & Rehab MH	10	Overlay contract start const. 9/2014
43404	J15S	124	110151		11	J15S	252	110231	Rehab MH	11	Overlay contract start const. 9/2014
43523	J16S	118	110352	Rehab MH	7	J16S	117	110351		5	Easement
43524	J16S	119	110353	Rehab MH	6	J16S	118	110352	Rehab MH	7	Easement
43525	J16S	120	110354		6	J16S	119	110353	Rehab MH	6	Easement
43654	J16S	126	110359	Rehab MH	7	J16S	125	110358		7	
50059	K14S	PLUG		Install Cleanout		K14S	12	116691		7	
50290	K14S	PLUG		Install Cleanout		K14S	284	116951		7	
50311	K14S	PLUG		Install Cleanout		K14S	285	116952		7	
50363	K15S	30	116994	Repair & Rehab MH	7	K15S	29	116993		7	Overlay contract in const. 7/2013-02/2014 conflict/ take off
50455	K15S	PLUG		Install Cleanout		K15S	130	117077		10	
50471	K15S	PLUG		Install Cleanout		K15S	148	117095		8	was not done as part of Rehab I
50473	L15S	141	117088	Rehab MH	8	L15S	140	117087		10	
50474	L15S	149	117096	Rehab MH	8	L15S	141	117088	Rehab MH	8	
50475	L15S	150	117097		8	L15S	149	117096	Rehab MH	8	
50534	K15S	219	117155	Rehab MH	8	K15S	218	117154		8	
50537	K15S	225	117159		7	K15S	219	117155	Rehab MH	8	
50541	L15S	227	117161		7	L15S	228	117162	REHAB MH	10	Slurry start moratorium 5/12
50542	L15S	507	123967		11	L15S	228	117162	REHAB MH	10	Slurry start moratorium 4/12
50543	K15	228	117162	REHAB MH	10	K15S	229	117163		9	Overlay SC=9/14, EC=4/15
50547	K15S	232	117166		7	K15S	253	117181	Repair & Rehab MH	7	Overlay starts Const. 9/2014
50556	K15S	253	117181	Repair & Rehab MH	7	K15S	251	117179		7	Overlay Moratorium starts 10/2011
50559	K15S	PLUG		Install Cleanout		K15S	234	117168		7	per email, overlay contract will be postponed.
50561	K15S	PLUG		Install Cleanout		K15S	238	117170		7	per email, overlay contract will be postponed.
50595	K15S	PLUG		Install Cleanout		K15S	308	117218		9	
50633	K16S	19	117256		6	K16S	21	117258	Rehab MH	5	Easement
50634	K16S	21	117258	Rehab MH	5	K16S	20	117257		10	Easement

REHABILITATION AA-1 MANHOLES TABLE

PIPELINE FSN	US FIELD BOOK PAGE	US MH	US MH FSN	US MH ACTION	US MH DEPTH +/-	DS FIELD BOOK PAGE	DS MH	DS MH FSN	DS MH ACTION	DS MH DEPTH	PEPC review
50678	K16S	70	117299		9	K16S	151	117365	Repair & Rehab MH	28	Slurry Moratorium starts 4/2013
50682	K16S	79	117308	Rehab MH	8	K16S	77	117306		13	Slurry Moratorium starts 5/2013
50684	K16S	80	117309		5	K16S	79	117308	Rehab MH	8	Slurry Moratorium starts 5/2013
50685	K16S	81	117310	Rehab MH	6	K16S	80	117309		5	Slurry Moratorium starts 5/2013
50686	K16S	82	117311		7	K16S	81	117310	Rehab MH	6	Slurry Moratorium starts 5/2013
50709	K16S	PLUG		Install Cleanout		K16S	122	117340		13	
50720	K16S	104	117333	Rehab MH	5	K16S	103	117332		6	Slurry Moratorium starts 5/2013
50723	K16S	35	117347		7	K16S	129	117347	Rehab MH	7	Slurry Moratorium starts 5/2013
50724	K16S	128	117346		6	K16S	306	117346		7	Slurry Moratorium starts 5/2013
50725	K16S	129	117347	Rehab MH	7	K16S	128	117346		6	Slurry Moratorium starts 5/2013
50727	K16S	132	117350	Rehab MH	10	L16S	130	117348	Rehab MH	10	Easement
50737	K16S	150	117364		20	K16S	152	117366	Rehab MH	21	Slurry Moratorium starts 5/2013
50748	K16S	74	117303		7	K16S	123	117341	Rehab MH	10	Easement
50749	K16S	73	117302	Rehab MH	7	K16S	74	117303		7	Easement
50750	K16S	157	117371		8	K16S	73	117302	Rehab MH	7	Easement
50751	K16S	155	117369	REHAB MH	9	K16S	157	117371		8	Easement
50752	K16S	154	117368	Rehab MH	7	K16S	155	117369	REHAB MH	9	Easement
50753	K16S	153	117367		8	K16S	154	117368	Rehab MH	7	Easement
50756	K16S	151	117365	Repair & Rehab MH	28	K16S	152	117366	Rehab MH	21	Slurry Moratorium starts 4/2013
57140	L15S	25	123592	Rehab MH	8	L15S	150	117097		8	Overlay starts Const. 9/2014
57141	L15S	26	123593	Rehab MH	9	L15S	25	123592	Rehab MH	8	Overlay starts Const. 9/2014
57477	L15S	PLUG		Install Cleanout		L15S	507	123967		11	Slurry start moratorium 4/12
57506	L15S	PLUG		Install Cleanout		L15S	505	123965		7	Slurry start moratorium 6/12
57508	L15S	PLUG		Install Cleanout		L15S	510	123970		9	Slurry start moratorium 5/12
57509	L15S	509	123969	REHAB MH	9	L15S	510	123970		9	Slurry start moratorium 5/12
57510	L15S	504	123964		8	L15S	509	123969	REHAB MH	9	Slurry start moratorium 5/12
57621	L16S	34	124089		8	L16S	130	117348	Rehab MH	10	Easement
57622	L16S	33	124088	Rehab MH	6	L16S	34	124089		8	Easement
57623	L16S	32	124087		6	L16S	33	124088	Rehab MH	6	Easement
57624	L16S	31	124086	Rehab MH	6	L16S	32	124087		6	Easement
57625	L16S	PLUG		Install Cleanout		L16S	31	124086	Rehab MH	6	Easement

	Manhole Replace	12
	Manhole Rehab	56
	Manhole Repair	8
	Install Cleanout	25

These segments to be constructed late in contract to avoid conflict

APPENDIX K
SEWER MAINS, MANHOLES, AND LATERALS REHABILITATION
SAMPLE DATA TEMPLATES

REHAB DATA COLLECTION - SEWER MAINS

FSN	REHAB DATE	TOPHAT INSTALLED	SIZE	FUNCTIONAL DIAM	LINING TYPE DESC	LINING METHOD DESC	REHAB CONTRACTOR DESC	REHAB MATERIAL VENDOR	COMMENTS	ACCEPTANCE DATE
5033085	8/22/2006	Y	6	5	PVC	SPIRAL WOUND	WESCO INFRA. TECHNOLOGIES, LP	RIBLOC	EXAMPLE - Leave this row in the table as it is.	8/22/2006

REHAB COLLECTION - SEWER MANHOLES

MH FSN	REHAB DATE	LINING TYPE	LINING MATERIAL VENDOR	LINING SYSTEM	REHAB CONTRACTOR	RIM ELEVATION	INVERT ELEVATION	ACTUAL DEPTH (VF)	COMMENTS	ACCEPTANCE DATE
70536	3/28/2007	POLYURETHANE	ZEBRON	ZEBRON CORPORATION	ZEBRON CORPORATION	49.8	41.95	7	Leave this row as a sample.	3/28/2007

[illegible]

ATTACHMENT F
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DIP ✓ Ety
License ✓ Ety

RTR

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline & Trenchless Corp.
ADDRESS: 22118 S. Vermont Ave., Torrance CA 90502
TELEPHONE NO.: 310.329.8717 FAX NO.: 310.329.0981
CITY CONTACT: Eleida Felix Yackel, Contract Specialist, Email: EFelixYackel@sandiego.gov
Phone No. (619) 533-3449, Fax No. (619) 533-3633
M.Oriqat / R.Bustamante / Is

CONTRACT DOCUMENTS

FOR



PIPELINE REHABILITATION AA-1

VOLUME 2 OF 2

BID NO.: K-15-1243-DBB-3
SAP NO. (WBS/IO/CC): B-13217
CLIENT DEPARTMENT: 2011
COUNCIL DISTRICT: 7
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.

THIS BIDDING DOCUMENT TO BE SUBMITTED IN ITS ENTIRETY
REFER TO VOLUME 1 COVER PAGE FOR TIME, DATE, AND LOCATION

DESCRIPTION	TABLE OF CONTENTS	PAGE NUMBER
-------------	-------------------	-------------

Volume 2 - Bidding Documents

The following forms must be completed in their entirety and submitted with the Bid. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Bid to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 days prior to Bid due date.

1. Bid/Proposal.....	3
2. Bid Bond.....	6
3. Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106	7
4. Contractors Certification of Pending Actions	8
5. Equal Benefits Ordinance Certification of Compliance.....	9
6. Proposal (Bid).....	10
7. Form AA35 - List of Subcontractors	14
8. Form AA40 - Named Equipment/Material Supplier List	15

BIDDING DOCUMENTS

PROPOSAL

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.

IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:

- (1) Name under which business is conducted _____ N/A
- (2) Signature (Given and surname) of proprietor _____
- (3) Place of Business (Street & Number) _____
- (4) City and State _____ Zip Code _____
- (5) Telephone No. _____ Facsimile No. _____
- (6) Email Address _____

IF A PARTNERSHIP, SIGN HERE:

- (1) Name under which business is conducted _____ N/A

BIDDING DOCUMENTS

- (2) Name of each member of partnership, indicate character of each partner, general or special (limited):

- (3) Signature (Note: Signature must be made by a general partner)

Full Name and Character of partner

- (4) Place of Business (Street & Number) _____

- (5) City and State _____ Zip Code _____

- (6) Telephone No. _____ Facsimile No. _____

- (7) Email Address _____

IF A CORPORATION, SIGN HERE:

- (1) Name under which business is conducted Southwest Pipeline & Trenchless Corp.

- (2) Signature, with official title of officer authorized to sign for the corporation:



(Signature)

Justin Duchaineau

(Printed Name)

President

(Title of Officer)

(Impress Corporate Seal Here)

- (3) Incorporated under the laws of the State of California

- (4) Place of Business (Street & Number) 2211 S. Vermont Avenue

- (5) City and State Torrance, California Zip Code 90502

- (6) Telephone No. 310.329.8717 Facsimile No. 310.329.0981

- (7) Email Address justin@swpipeline.com

BIDDING DOCUMENTS

THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:

In accordance with the "NOTICE INVITING BIDS", the bidder holds a California State Contractor's license for the following classification(s) to perform the work described in these specifications:

LICENSE CLASSIFICATION _____ A _____

LICENSE NO. 773862 EXPIRES 1/31/2016

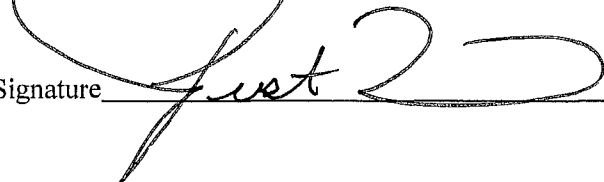
This license classification must also be shown on the front of the bid envelope. Failure to show license classification on the bid envelope may cause return of the bid unopened.

TAX IDENTIFICATION NUMBER (TIN): XXXXXXXXXX

Email Address: justin@swpipeline.com

THIS PROPOSAL MUST BE NOTARIZED BELOW:

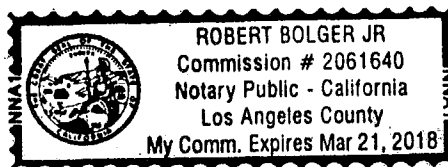
I certify, under penalty of perjury, that the representations made herein regarding my State Contractor's license number, classification and expiration date are true and correct.

Signature  Title President

SUBSCRIBED AND SWORN TO BEFORE ME, THIS 3rd DAY OF March, 2015.

Notary Public in and for the County of Los Angeles, State of California


(NOTARIAL SEAL)



CALIFORNIA JURAT WITH AFFIANT STATEMENT**GOVERNMENT CODE § 8202**

- ☒ See Attached Document (Notary to cross out lines 1-6 below)
☐ See Statement Below (Lines 1-6 to be completed only by document signer[s], *not* Notary)

1
2
3
4
5
6

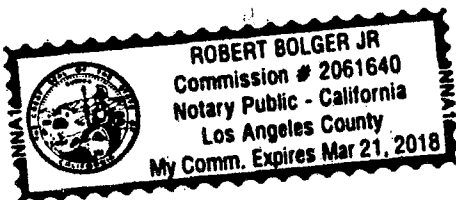
Signature of Document Signer No. 1 _____ Signature of Document Signer No. 2 (if any) _____

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

State of California

County of Los Angeles

Subscribed and sworn to (or affirmed) before me

on this 3 day of MARCH, 2015,
by _____
Date Month Year(1) Justin Duchaineau(and (2) _____),
Name(s) of Signer(s)proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.Signature [Signature]
Signature of Notary Public

Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

BIDDING DOCUMENTS

BID BOND

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 AA-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 10th day of February, 2015

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

By: [Signature]
(Signature)

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

Maria Pena

, Attorney-in-Fact




(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

Civil Code § 1189

State of California)
) ss
County of Los Angeles)

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

 NOEMI QUIROZ
Commission # 1940525
Notary Public - California
Los Angeles County
My Comm. Expires Jun 26, 2015

Signature: Noemi Quiroz
Noemi Quiroz, 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, Maria Pena of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: City of San Diego

Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 18th day of November, 2013.



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

By: David M. Carey

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA
COUNTY OF MONTGOMERY

ss

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 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

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 10th day of February, 2015.



By: Gregory W. Davenport

Gregory W. Davenport, Assistant Secretary

BIDDING DOCUMENTS

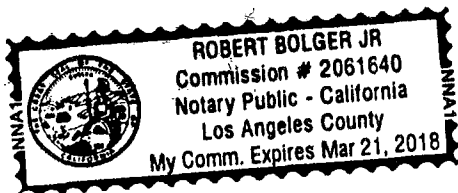
**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND
SUBMITTED WITH BID UNDER 23 UNITED STATES CODE 112 AND
PUBLIC CONTRACT CODE 7106**

State of California)
) ss.
County of Los Angeles, California)

Justin Duchaineau, being first duly sworn, deposes and
says that he or she is President of 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.

Signed: 

Title: President



Subscribed and sworn to before me this 3rd day of March, 2015


Notary Public

(SEAL)

CALIFORNIA JURAT WITH AFFIANT STATEMENT

GOVERNMENT CODE § 8202

- ☒ See Attached Document (Notary to cross out lines 1-6 below)
☐ See Statement Below (Lines 1-6 to be completed only by document signer[s], not Notary)

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

Signature of Document Signer No. 1

Signature of Document Signer No. 2 (if any)

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

State of California

County of Los Angeles

Subscribed and sworn to (or affirmed) before me

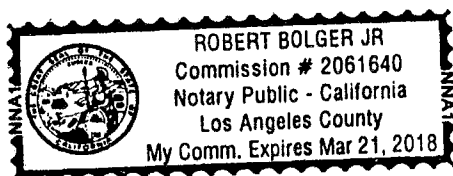
on this 3rd day of MARCH, 2015,
by Justin Duchaineau
Date Month Year

(1) _____

(and (2) _____),
Name(s) of Signer(s)

proved to me on the basis of satisfactory evidence
to be the person(s) who appeared before me.

Signature _____
Signature of Notary Public



Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

BIDDING DOCUMENTS

CONTRACTORS CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

- ☒ The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- ☐ The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By

Justin Duchaineau

Title

President

Name

Signature

Date

3-3-2015

USE ADDITIONAL FORMS AS NECESSARY

BIDDING DOCUMENTS

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 & 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 AA-1	Start Date:
Contract Number (if no number, state location):	End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

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

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

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

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

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

☒ I affirm **compliance** with the EBO because my firm (*contractor must select one reason*):

- ☒ Provides equal benefits to spouses and domestic partners.
- ☐ Provides no benefits to spouses or domestic partners.
- ☐ Has no employees.
- ☐ Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.

☐ I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Justin Duchaineau **PRESIDENT**

Name/Title of Signatory

Signature

3/3/2015

Date

FOR OFFICIAL CITY USE ONLY

Receipt Date:	EBO Analyst:	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved – Reason:
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(Rev 02/15/2011)

BIDDING DOCUMENTS

PROPOSAL (BID)

The Bidder agrees to the construction of **Pipeline Rehabilitation AA-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.

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1	1	LS	524126	2-4.1	Bonds (Payment and Performance)	 	\$30,000. ⁰⁰
2	1	LS	238990	7-9.1.1	Video Recording of Pre-existing Conditions	 	\$2,000. ⁰⁰
3	1	LS	237310	7-10.2.6	Traffic Control	 	\$5,000. ⁰⁰
4	1	LS	541820	7-16.3	Community Liaison	 	\$10,000. ⁰⁰
5	1	LS	237110	9-3.4.1	Mobilization	 	\$85,000. ⁰⁰
6	1	AL		9-3.5	Field Orders - Type II	 	\$288,910.00
7	3,240	SF	237310	302-6.8	Concrete Pavement Repair	\$3. ⁰⁰	\$9,720. ⁰⁰
8	1	EA	237310	303-5.10.2	Curb Ramp Type B with Stainless Steel Detectable Warning Tiles	\$2,000. ⁰⁰	\$2,000. ⁰⁰
9	2	EA	237310	303-5.10.2	Curb Ramp Type C1 with Stainless Steel Detectable Warning Tiles	\$2,800. ⁰⁰	\$5,600. ⁰⁰
10	4	EA	237310	303-5.10.2	Curb Ramp Type D with Stainless Steel Detectable Warning Tiles	\$2,100. ⁰⁰	\$8,400. ⁰⁰
11	1	LS	237110	306-1.1.6	Trench Shoring	 	\$2,500. ⁰⁰
12	25	EA	237110	306-1.6	Sewer Main Cleanout	\$3,500. ⁰⁰	\$87,500. ⁰⁰
13	12	EA	237110	306-1.8.6	Manholes (4 x 3)	\$7,000. ⁰⁰	\$84,000. ⁰⁰

BIDDING DOCUMENTS

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
14	42,815	LF	237110	306-9.7	Video Inspecting Pipelines for Acceptance	\$.40	\$17,126. ⁰⁰
15	42,815	LF	237110	306-9.7	Cleaning and Video Inspecting Pipelines	\$.65	\$27,829.75
16	953	EA	237110	500-1.1.9	Lateral Launch Video	\$40. ⁰⁰	\$38,120. ⁰⁰
17	42,726	LF	237110	500-1.1.9	Rehabilitate 8-Inch Sewer Main	\$22. ⁰⁰	\$939,972. ⁰⁰
18	89	LF	237110	500-1.1.9	Rehabilitate 10-Inch Sewer Main	\$30. ⁰⁰	\$2,670. ⁰⁰
19	95	EA	237110	500-1.2.7	Point Repair for Existing Sewer Laterals	\$1,500. ⁰⁰	\$142,500. ⁰⁰
20	200	LF	237110	500-1.2.7	Additional Point Repair for Existing Sewer Laterals	\$100. ⁰⁰	\$20,000. ⁰⁰
21	13	EA	237110	500-1.2.7	Point Repair for Existing 8-Inch Sewer Main	\$4,200. ⁰⁰	\$54,600. ⁰⁰
22	100	LF	237110	500-1.2.7	Additional Point Repair for Existing 8-Inch Sewer Main	\$130. ⁰⁰	\$13,000. ⁰⁰
23	953	EA	237110	500-1.6.2.6	Service Lateral Connection	\$850. ⁰⁰	\$810,050. ⁰⁰
24	724	EA	237110	500-1.6.6	Sewer Lateral Lining with Cleanout Up to 7 Feet in Depth	\$1,500. ³⁰ \$1,550. ⁰⁰	\$1,122,200. ⁰⁰
25	198	EA	237110	500-1.6.6	Sewer Lateral Lining with Cleanout Greater than 7 Feet in Depth	\$1,600. ⁰⁰	\$316,800. ⁰⁰
26	56	EA	237110	500-2.10.2	Rehabilitate Existing Manhole	\$1,350. ⁰⁰	\$75,600. ⁰⁰
27	8	EA	237110	500-2.10.2	Repair and Rehabilitate Existing Manhole	\$1,550. ⁰⁰	\$12,400. ⁰⁰
28	1	LS	541330	701-13.9.5	Water Pollution Control Program Development		\$500. ⁰⁰
29	1	LS	237990	701-13.9.5	Water Pollution Control Program Implementation		\$2,000. ⁰⁰
30	1	LS	237110	704-4	Sewage Bypass and Pumping Plan (Diversion Plan)		\$2,500. ⁰⁰
ESTIMATED TOTAL BASE BID							\$4,218,497.75

BIDDING DOCUMENTS

TOTAL BID PRICE FOR BID (Items 1 through 30 inclusive) amount written in words:

Four Million Two Hundred Eighteen Thousand Four Hundred Ninety Seven^{dollars} and Seventy Five cents.

The Bid shall contain an acknowledgment of receipt of all addenda, the numbers of which shall be filled in on the Bid form. If an addendum or addenda has been issued by the City and not noted as being received by the Bidder, this proposal shall be rejected as being **non-responsive**. The following addenda have been received and are acknowledged in this bid: None

The names of all persons interested in the foregoing proposal as principals are as follows:

Justin Duchaineau- President

Robert Bolger- Secretary

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

Bidder: Southwest Pipeline & Trenchless Corp.

Title: President

Business Address: 22118 S. Vermont Avenue

Place of Business: Torrance, California 90502

Place of Residence: Marina Del Ray

Signature: 

BIDDING DOCUMENTS

NOTES:

- A. The City shall determine the low Bid based on the Base Bid alone.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- C. Failure to initial all corrections made in the bidding documents may cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.
- D. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- E. 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.
- F. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- G. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- H. 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.
- I. Subcontractors' License Number must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or 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 list below the portion of the work which will be done 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 shall 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 that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

Subcontractors' License Number must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT (MUST BE FILLED OUT)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Easyflow</u> Address: <u>13682 Lindamere Ln.</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92128</u> Phone: <u>909-908-7300</u> Email: <u>adam@trenchlessrehab.com</u>	constructor	960845	tateral launch / Line/clean out partial clean/CCTV mt Rehab	\$968,295.75	ELBE	CITY	
Name: <u>Bensfield General Engineering</u> Address: <u>77465 Indian Valley Rd</u> City: <u>San Miguel</u> State: <u>CA</u> Zip: <u>93451</u> Phone: <u>310-505-2517</u> Email: <u>Tom@BGE-corp.com</u>	constructor	991722	open-cut	\$1,062,120.00			

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

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

BIDDING DOCUMENTS

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

The Bidder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall list the Supplier(s) on the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for such materials and supplies unless vendor manufactures or substantially alters materials and supplies in which case 100% will be credited. The Bidder is to indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage, Suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages.

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

① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

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

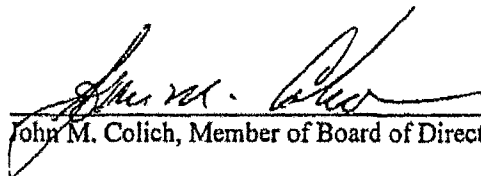


BOARD OF DIRECTORS RESOLUTION
SOUTHWEST PIPELINE AND TRENCHLESS, CORP.
January 5, 2012

The undersigned being all of the members of the Board of Directors of Southwest Pipeline and Trenchless Corp., a California Corporation, certify that the Bylaws of the corporation authorize the directors to act by unanimous consent. Pursuant to Section 307 (b) of the California General Corporation Law and the Bylaws of the corporation, the undersigned acknowledges their continuing consent to adoption of the following resolution as the act of the Board of Directors of the Corporation

RESOLVED, that Justin P. Duchaineau is authorized as President/Treasurer pursuant to the Bylaws of the corporation to sign any and all contracts, bid bonds, performance bonds, payment bonds, and other pertinent documents of a nature, for and on behalf of Southwest Pipeline and Trenchless Corp. This resolution is effective on January 5, 2012 and will remain in full force and effect for pertinent documents signed hereafter.

RESOLVED, that Robert E. Bolger is authorized as Secretary pursuant to the Bylaws of the corporation to sign any and all contracts, bid bonds, performance bonds, payment bonds, and other pertinent documents of a nature, for and on behalf of Southwest Pipeline and Trenchless Corp. This resolution is effective on January 5, 2012 and will remain in full force and effect for pertinent documents signed hereafter.


John M. Colich, Member of Board of Directors


Janine T. Colich, Member of Board of Directors