

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless Corp.
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CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov
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J. Myers / A. Rekani / LJI

**CONTRACT
DOCUMENTS**

ORIGINAL



FOR

PIPELINE REHABILITATION AD-1

BID NO.: K-16-1315-DBB-3
SAP NO. (WBS/IO/CC): B-14009
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
JANUARY 7, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101**

ENGINEER OF WORK

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

Michael Nib

For City Engineer

11/19/15

Date

Seal



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CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **FULL AND OPEN COMPETITION:** This contract may only be bid by Contractors on the City's approved Prequalified Contractor's List (see Notice Inviting Bids, Prequalification of Contractors), regardless of the status for SLBE-ELBE qualification(s) For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
2. **SUMMARY OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described in ATTACHMENT A.
3. **PRE-BID MEETING:**
 - 3.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, pre-qualification process, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracts, Conference Room at 1010 Second Avenue, 14th Floor, San Diego, CA 92101 **at 10:00 A.M., on December 10, 2015.**
 - 3.2. All potential bidders are encouraged to attend.
4. **PREQUALIFICATION OF CONTRACTORS:**
 - 4.1. Contractors submitting Bid must be pre-qualified for the total amount proposed, inclusive of all alternate items prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification.shtml>
 - 4.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
 - 4.3. As a result of the City's fiduciary requirement to safeguard vendor data, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

INSTRUCTIONS TO BIDDERS

1. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in **electronic format (eBids) EXCLUSIVELY** at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation for the performance of work on **Pipeline Rehabilitation AD-1** (Project).
 - 1.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
 - 1.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
 - 1.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
 - 1.4. **BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
 - 1.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
 - 1.6. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
 - 1.7. **RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.

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

1.8.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

1.9. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE. : To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed in the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

2. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

2.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.

2.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

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

2.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.

3. BIDS ARE PUBLIC RECORDS: Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

4. SUBCONTRACTING PARTICIPATION PERCENTAGES:

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

1. SLBE participation	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 may be declared **non-responsive** if the Bidder fails the following mandatory conditions:

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

4.3.2. Bidder's submission of Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within **3 Working Days** of the Bid opening if the overall mandatory participation percentage is not met.

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

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

5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

5.1. **Prior** to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

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

5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.

6. **JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, "Joint Venture Contractors" in The WHITEBOOK for details.
7. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 7.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 7.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 7.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 7.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed.
 - 7.3. **Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the

City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.

- 7.3.1.** For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 7.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 7.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 7.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 7.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 7.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.
- 7.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. As of March 1, 2015, no contractor or subcontractor may be listed on a bid or proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5. As of April 1, 2015, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, or enter into any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration to the City upon request.

7.9.1. A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.

8. INSURANCE REQUIREMENTS:

8.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.

8.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

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

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK")	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

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

11. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.

12. **CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein.
 - 12.1. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

 - 12.2. The Bidder agrees to the construction of **Pipeline Rehabilitation AD-1**, for the City of San Diego, in accordance with these contract documents for the prices listed below. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening to Award of the Contract. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

 - 12.3. Unit prices shall be entered for all unit-price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceeds two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.

13. **SUBCONTRACTOR INFORMATION:**
 - 13.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

- 13.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY)** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- 13.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 14. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 15. AWARD PROCESS:**
- 15.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 15.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 15.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City and approval as to form the City Attorney's Office.
- 15.4.** The low Bid will be determined by Base Bid alone.
- 15.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.
- 16. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 17. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.

18. SUBMISSION OF QUESTIONS:

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

Public Works Contracts
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: [Contract Specialist listed on the front cover hereof]

OR:

Email address of the Contract Specialist listed on the front cover hereof.

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

18.3. Clarifications deemed by the City to be material shall be issued by Addenda and uploaded to the City's online bidding service.

18.4. Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.

19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED: No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.

20. SAN DIEGO BUSINESS TAX CERTIFICATE: The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.

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

21.1. For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.

21.2. This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.

- 21.3. The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 22.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2. Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules may be rejected as being non-responsive.
- 22.3. The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 22.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.
- 22.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with section 22.3017 of the San Diego Municipal Code.
- 22.6. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 22.7. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 22.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of any proposed alternates, additive items or options as detailed herein.

23. BID RESULTS:

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

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 26.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 26.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 26.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 27. PRE-AWARD ACTIVITIES:**
- 27.1.** The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 27.2.** The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.
- 28. PHASED FUNDING:**
- For additional Phased Funding Provisions, see Attachment B.

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

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **Southwest Pipeline and Trenchless Corp.**, herein called "Contractor" for construction of **Pipeline Rehabilitation AD-1; Bid No. K-16-1315-DBB-3**; in the amount of **FOUR MILLION EIGHT HUNDRED THIRTY- FOUR THOUSAND TWO HUNDRED - SEVENTY DOLLARS AND 00/100 (\$4,834,270.00)**, which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement
 - (e) That certain documents entitled **Pipeline Rehabilitation AD-1**, on file in the office of the City Clerk/ Public Works Department as Document No. **B-14009**, 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 AD-1; Bid Number K-16-1315-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

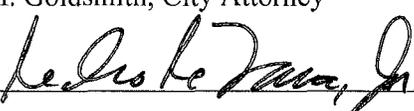
CONTRACT AGREEMENT (continued)

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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Jan I. Goldsmith, City Attorney
By 

Print Name: Stephen Samara
Principal Contract Specialist

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

Date: 3-15-16

Date: 3/15/16

CONTRACTOR

By 

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

Title: _____

Date: 2-9-2016

City of San Diego License No.: 82003006118

State Contractor's License No.: 773862 - A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: _____

1000002176

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southwest Pipeline and Trenchless Corp., a corporation, as principal, and Liberty Mutual Insurance Company a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of FOUR MILLION EIGHT HUNDRED THIRTY- FOUR THOUSAND TWO HUNDRED - SEVENTY DOLLARS AND 00/100 (\$4,834,270.00) for the faithful performance of the annexed contract, and in the sum of FOUR MILLION EIGHT HUNDRED THIRTY- FOUR THOUSAND TWO HUNDRED - SEVENTY DOLLARS AND 00/100 (\$4,834,270.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract **Pipeline Rehabilitation AD-1; Bid Number K-16-1315-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 Article 2, Claimants, (iii) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

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

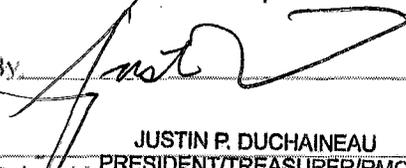
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND
(continued)

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

Dated February 8, 2016

Approved as to Form

Southwest Pipeline and Trenchless Corp.
Principal

By 

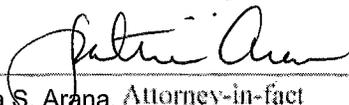
JUSTIN P. DUCHAINEAU
Printed Name of Principal
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Jan I. Goldsmith, City Attorney

By 

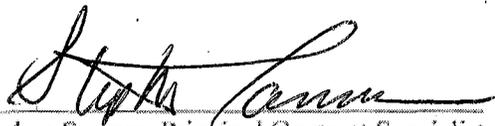
Deputy City Attorney

Liberty Mutual Insurance Company
Surety

By 

Patricia S. Arana, Attorney-in-fact

Approved:

By 

Stephen Samara, Principal Contract Specialist

790 The City Drive South, Ste 200
Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(800)763-9268

Local Telephone No. of Surety

Premium \$ 35,411.00

Bond No. 024066465

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

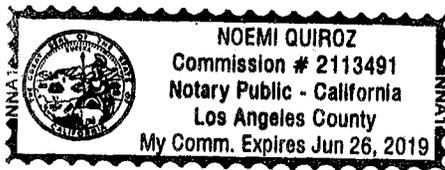
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

On **FEB 08 2016**, before me, Noemi Quiroz, Notary Public, personally appeared Patricia S. Arana, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.



(Seal)

Signature: *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, Patricia S. Arana 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: 024066465

Bond Amount: See Bond Form

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



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

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 18th day of November, 2013, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

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

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 8th day of February, 2016.



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

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** This project involves trenchless rehabilitation of approximately 44,505 LF (8.43 miles) of existing VC sewer mains; includes point repairs, manhole replacement, manhole rehabilitation, sewer main cleanouts, assessment of all sewer laterals by CCTV, and rehabilitation of existing sewer laterals and installation of cleanouts at property line. In addition, replace-in-place of 765 LF (0.15 miles) of existing VC sewer mains, if necessary. No permanent access will be required as part of the scope of work.

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids, inclusive.

1.2. The Work along Blue Lake Drive, between Twin Lake Drive and Spruce Lake Avenue, shall be given priority and completed first. Resurfacing at this location shall be completed immediately following the completion of main replacement/rehabilitation, as indicated in Appendix E – Location Map, Pipeline Rehabilitation AD-1 Resurfacing Map.

2. **CONSTRUCTION COST:** The City’s estimated construction cost for this contract is \$5,452,000.

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

See Appendix E - Location Map.

4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **278 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-16-1315-DBB-3

CONTRACT OR TASK TITLE: PIPELINE REHABILITATION AD-1

CONTRACTOR: SOUTHWEST PIPELINE & TRENCHLESS CORP.

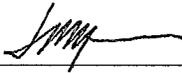
Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Mobilization, Lateral cleaning & CCTV lateral point repairs, clean-out installation, rehabilitate 4 inch, 6 inch sewer laterals, Main Point Repairs, Main Cleanouts, Clean/CCTV Main.	NTP	08/31/2016	\$1,933,708.00
2	Complete rehabilitation 4 inch, 6 inch sewer laterals, Main Sewer Rehab, installation of top hats. Completion of Final CCTV inspection.	9/1/2016	Project Completion	\$2,900,562.00
Total				\$4,834,270.00

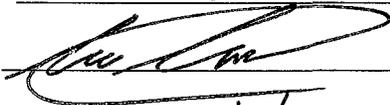
Notes:

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

OWNER: CITY OF SAN DIEGO

CONTRACTOR: SOUTHWEST PIPELINE

By: 
 Joe Myers, City Project Manager
 E&CP / Public Works Department

By: LUIS SALCEDO


Date: 2/8/16

Date: 2/4/16

- END OF PHASE FUNDING SCHEDULE -

ATTACHMENT C
EQUAL OPPORTUNITY CONTRACTING PROGRAM

EQUAL OPPORTUNITY CONTRACTING PROGRAM REQUIREMENTS

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

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

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

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

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

2. Disclosure of Discrimination Complaints. As part of its Bid or Proposal, the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.
3. Upon the City's request, the Contractor agrees to provide to the City, within 60 days, a truthful and complete list of the names of all Subcontractors and Suppliers that the Contractor has used in the past 5 years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by the Contractor for each subcontract or supply contract.
4. The Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance, Municipal Code §§22.3501 through 22.3517. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in remedies being ordered against the Contractor up to and including contract termination, debarment and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

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

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

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

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

6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
8. The Contractor disseminates its EEO Policy to union and community organizations.
9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.
15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

ATTACHMENT D
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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 projects are scheduled for construction for the same time period in the vicinity of Pipeline Rehab AD-1. See Appendix F for approximate location. Coordinate the Work with the adjacent projects as listed below:

- a) AC Overlay Group 1701, Ikhlass Shamoun, 619-527-7511
- b) AC Overlay Group 1801, Ikhlass Shamoun, 619-527-7511
- c) Slurry Seal Group 1502, Ahmad Erikat, 619-527-8025
- d) AC Overlay Group 1502, Ikhlass Shamoun, 619-527-7511
- e) Pipeline Rehabilitation – Phase G-2 (laterals), Laila Nasrawi, 619-533-4619
- f) Pipeline Rehabilitation X-1, Casey Crown, 619-533-5485
- g) Blue Lake Drive Cast Iron Replacement, Freddy Porter, 619-527-7539
- h) Pipeline Rehabilitation AH – 1, Joe Myers, 619-533-6632

SECTION 4 - CONTROL OF MATERIALS

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

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

ADD:

4-1.3.7 Testing under the direction of the Engineer. When a bid item for Testing under the direction of the Engineer is provided, the Contractor must employ and pay for the services of a qualified third party independent laboratory to perform the required testing. The Contractor will be reimbursed for the cost of testing under this bid item.

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 less than 15 Working Days prior to Bid due date** 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

6-2.1 Moratoriums. To the City Supplement, ADD the following:

Do not work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:

- a) [Boulder Lake Ave from Lake Adlon Dr to June Lake Dr] from [07/08/2011] to [07/08/2016] (inclusive).
- b) [Lake Murray Blvd from Lake Adlon Dr to Beaver Lake Dr] from [07/23/2013] to [07/23/2018] (inclusive).
- c) [Lake Murray Blvd from Jackson Dr to Lake Adlon Dr] from [07/23/2013] to [07/23/2018] (inclusive).
- d) [Blue Lake Dr from Twin Lake Dr to Cowles Mountain Blvd] from [02/10/2011] to [02/10/2016] (inclusive).

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

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

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

7-3.1 Policies and Procedures.

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

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

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

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

7-3.2.2 Commercial Automobile Liability Insurance.

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

7-3.2.3 Contractors Pollution Liability Insurance.

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

provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible must not exceed \$25,000 per claim.

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

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

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

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

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

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance

7-3.5.1.1 Additional Insured.

- a) You must provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.

- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- c) The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you.
- d) The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, or (c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy must be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.1.3 Project General Aggregate Limit.

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

7-3.5.2 Commercial Automobile Liability Insurance.

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

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

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

performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you; except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement must not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

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

7-3.5.3.2 Primary and Non-Contributory Coverage. The policy or policies must be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies must provide that your insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and must provide cross-liability coverage.

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

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

7-3.8 Notice of Changes to Insurance. You must notify the City 30 days prior to any material change to the policies of insurance provided under this contract.

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

7-4 WORKERS' COMPENSATION INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

7-4.1 Workers' Compensation Insurance and Employers Liability Insurance.

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

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you must comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

7-4.1.1 Waiver of Subrogation.

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

7-8.6 Water Pollution Control. ADD the following:

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

7-10.5.3 Steel Plate Covers. Table 7-10.5.3(A), REVISE the plate thickness for 5'-3" trench width to read 1 3/4".

7-15 INDEMNIFICATION AND HOLD HARMLESS AGREEMENT. To the City Supplement, fourth paragraph, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

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

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

**ADD:
7-16**

COMMUNITY OUTREACH.

7-16.1

General.

1. To ensure consistency with the City's community outreach plan for the project, the City will work with you to inform the public (which includes, but is not limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Efforts by you to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. You shall perform the community outreach activities required throughout the Contract Time. You shall assign a staff member who will perform the required community outreach services.
3. You shall closely coordinate the Work with the businesses, institutions, residents and property owners impacted by the Project.

Your example duties include notifying businesses, institutions, and residents of the commencement of construction activities not less than 5 days in advance, coordinating access for vehicular and pedestrian traffic to businesses, institutions, and residences impacted by the Project, reporting activities at all Project progress meetings scheduled by the Engineer, attending the Project Pre-construction Meeting, attending 2 community meetings, responding to community questions and complaints related to your activities, and documenting, in writing, as well as logging in all inquiries and complaints received into the City's Public Contact Log located on the City's SDShare site:

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

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

All inquiries and complaints will be logged in to the City's 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, individually, on to the City's SDShare site as an Outlook Message Format (*.msg).

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

7-16.1.1 Quality Assurance.

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

7-16.1.2 Submittals.

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

7-16.2 Community Outreach Services.

7-16.2.1 Public Notice by Contractor.

1. Post Project Identification Signs in accordance with section 7-10.6.2
2. Notify businesses, institutions, property owners, residents or any other impacted stakeholders, within a minimum 300 feet radius of the Project, of construction activities and utility service interruptions not less than 5 days in advance.

3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a. Where Work is to be performed at least 5 days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b. Within 5 days of the completion of your construction activities where work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
 - c. No less than 48 hours in advance and no more than 72 hours in advance of the scheduled resurfacing.
4. Leave the door hanger notices on or at the front door of each dwelling and apartment unit and at each tenant of commercial buildings abutting each of the street block segments. Where the front doors of apartment units are inaccessible, distribute the door hanger notices to the apartment manager or security officer.
5. Door Hanger Material: You shall use Blanks/USA brand, Item Number DHJ5B6WH, 1 ¼" Holes (removed), 2-up Jumbo Door Hanger in Bristol White, or approved equal.
6. Mailed Notice Material: You shall use Cougar by Domtar, Item Number 2834 or approved equal.
7. For all Work on private property, contact each owner and occupant individually a minimum of 15 days prior to the Work. If the Work has been delayed, re-notify owners and occupants of the new Work schedule, as directed by the Resident Engineer.
8. A sample of public notices is included in the Contract Appendix.

7-16.2.2 Communications with the Public.

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

5. You shall coordinate with the Resident Engineer on all responses and actions taken to address public inquiries and complaints within 24-hours that they are received.

7-16.2.3 Communications with Media.

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

7-16.4 Payment. The Payment for the Community Outreach Service is included in the various Bid items.

7-20 ELECTRONIC COMMUNICATION. ADD the following:

Virtual Project Manager will be used on this contract.

SECTION 9 - MEASUREMENT AND PAYMENT

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

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

**ADD:
9-3.7**

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

SECTION 203 – BITUMINOUS MATERIALS

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

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

ADD the following:

RPMS shall be used on this contract.

SECTION 207 – PIPE

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

PVC products as manufactured or distributed by J-M Manufacturing Company shall not be used on the Contract for pressurized pipe **unless specified otherwise.**

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:

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 polyethylene 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.

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.

500-1.1.5 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).
- c) The thickness of the lateral lining shall be not less than 0.12 inches (3 mm) and not more than 0.18 inches (4.5 mm) for laterals up to and including 8" in diameter. The thickness of the lateral lining shall be in accordance with Table 500-1.1.1.1[A] for laterals larger than 8" in diameter.

500-1.6.3 Installation Procedures (ASTM F1216-98 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 payment for lateral rehabilitation.

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 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 AD – 1**, as referenced in the Contract Appendix. You must comply with all requirements of the **Notice of Exemption** as set forth in the Contract **Appendix A**.

Compliance with the City's environmental document is included in the various Bid items, unless a bid item has been provided.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

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

FROM: CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101

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

PROJECT/WBS NO.: B-14009.02.06

PROJECT TITLE: Pipeline Rehabilitation AD-1

PROJECT LOCATION-SPECIFIC: The project is located along Lake Tahoe Avenue, Lake Tahoe Court Lake Adlon Drive, Lake Shore Drive, Gem Lake Avenue, Lake Adlon Court, Gay Lake Avenue, Flag Lake Street, Compass Lake Drive, Lake Andrita Drive, Cowles Mountain Boulevard, Lake Decatur Avenue, Lake Dora Avenue, Lake Como Avenue, Lake Kathleen Avenue, Lake Badin Avenue, Badger Lake Avenue, Budlong Lake Avenue, Balsam Lake Avenue, Boulder Lake Avenue, Lake Artemus Avenue, Lake Ashwood Avenue, Lake Alturas Avenue, Lake Alamor Avenue, Lake Murray Boulevard, Ruby Lake Avenue, Rose Lake Avenue, Emerald Lake Avenue, Merced Lake Avenue, Crystal Lake Avenue, Pearl Lake Avenue, Spruce Lake Avenue, Topaz Lake Avenue, Cowles Mountain Place, Gloria Lake Avenue, Cedar Lake Avenue, Blue Lake Drive, Lake Leven Drive, Lake Lomond Drive, Lake Lucerne Avenue, and Lake Ree Avenue, within the Navajo community planning area (Council District 7).

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

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project will rehabilitate approximately 44,505 linear feet (8.43 miles) of existing 8-inch diameter sewer mains; replace-in-place up to approximately 765 linear feet (0.14 miles) of existing 8-inch diameter sewer mains; rehabilitate 38 manholes; rehabilitate 992 sewer laterals; replace-in-place 20 manholes; and install 35 cleanouts. The project may perform as many as 5 point repairs for manholes, where needed. Up to 14,062 LF (2.66 miles) of pipeline will be repaired, but this length may shorten if the existing conditions warrant it. Any replacement portion of the project will require the open trench method of replacement, which would require excavation to a depth of 15 feet, but all soils have been previously disturbed. Appurtenances may include the replumbing of sewer laterals, installation of ADA compliant curb ramps, street resurfacing, and any necessary lane painting. The project, including staging activities, would occur entirely within urban/developed land. Sewer Rehab AD-1 will implement storm water best management practices. No impact to sensitive biological resources would result from project implementation.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego Public Works Department,
Contact: Joe Myers; Ph: (619) 533-6632
525 B Street, Suite 750, San Diego, CA 92101

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
() DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
() EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
(X) CATEGORICAL EXEMPTION: §15301(b) [Existing Facilities], and §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 utilities, involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination; §15302(C) [REPLACEMENT OR RECONSTRUCTION], which allows for the replacement or reconstruction of existing utility systems, where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced; and where the exceptions listed in CEQA Guidelines §15300.2 would not apply. This project would not impact sensitive resources.

Revised October 23, 2015 JA

The City of San Diego conducted an environmental review which determined that the project meets the statutory/categorical exemption criteria set forth in CEQA State Guidelines, Section (Insert); and where the exceptions listed in Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: JUAN BALIGAD, SENIOR PLANNER

TELEPHONE: (619) 533-5473

IF FILED BY APPLICANT:

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



CARRIE PURCELL, PRINCIPAL PLANNER

10/24/15

DATE

CHECK ONE:

- SIGNED BY LEAD AGENCY
- SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT 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.

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

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:
 - a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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

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

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

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

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

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7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

**Larry Gardner
Water Department Director**

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	<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:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	Invoice No.
Resident Engineer (RE):		Contractor's fax #:	Invoice Date:
RE Phone#:	Fax#:	Contact Name:	Billing Period: (to

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

SUMMARY

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

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

Resident Engineer

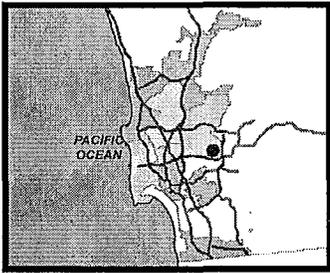
Construction Engineer

Retention and/or Escrow Payment Schedule

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

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP



PIPELINE REHABILITATION AD-1 RESURFACING MAP

SENIOR ENGINEER
MICHAEL NINH
619-533-7443

PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
ADRIAN PAVON
619-533-4695

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



RIGHT OF WAY DESIGN

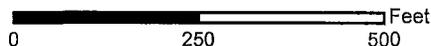
Resurfacing Schedule Notes

No.	Location	Restoration Required	Width (ft)	Length (ft)	Approx. Area (sf)
1	Blue Lake Dr. and Twin Lake Dr.	Slurry Seal	60	1150	69000
2	Blue Lake Dr. and Cowles Mtn. Blvd.	AC Overlay	60	500	30000
Totals				1650	99000



Legend

- Slurry Seal
- AC Overlay



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APPENDIX F
ADJACENT PROJECTS

APPENDIX G
HYDROSTATIC DISCHARGE FORM

Hydrostatic Discharge Requirements Certification (Discharge Events ≥ 325,850 gpd)

All discharge activities related to this project comply with the Regional Water Quality Control Board (RWQCB) Order No. R9-2010-0003, General Permit for Discharges of Hydrostatic Test Water and Potable Water to Surface Water and Storm Drains as referenced by (http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2010/R9-2010-0003.pdf), and as follows:

Discharged water has been dechlorinated to below **0.1** (mg/l) level; and effluent has been maintained between **6 and 9** (pH) based on:

Is Discharge Within Limits?

Comment/Action Taken

Event #	Discharge Date	Item Tested	Duration	Amount (gpd)	Description of the Proposed Discharge	Method and Test Result	Is Discharge Within Limits?		Comment/Action Taken
							YES	NO	
		Chlorine							
		pH							
		Chlorine							
		pH							
		Chlorine							
		pH							
		Chlorine							
		pH							

Qualified Personnel Conducting Tests (Print Name):

SAP No.(s):

***Signed:**

Project Name:

* By signing, I hereby certify and affirm under penalty of perjury that all of the statements and conditions for hydrostatic discharge events are correct.

Have any thresholds been exceeded? Per Order No. R9-2010-0003, would this be a reportable discharge and must be reported **within 24 hours** of the event? [Reportable discharge would include violation of maximum gallons per day, any upset which exceeds any effluent limit]

APPENDIX H

SEWER MAINS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATE

APPENDIX I
SEWER REHAB MAINS

Pipeline Rehabilitation AD-1																					
NO	FSN	US FIELD BOOK PAGE	US MH	US MH Depth (ft)	DS FIELD BOOK PAGE	DS MH	DS MH Depth (ft)	INSTALLED DATE	LENGTH	SIZE	MATL	SLOPE	MAX d/D %	LATERALS	ACTION	THOMAS BRO	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	PEPC COMMENTS
1	62581	M14S	154	14	M14S	85	9	1/1/1961	242	8	VC	0.40%	29.96	6	REHAB	1250G5	LAKE SHORE DR	NAVAJO	7		
2	62582	M14S	85	9	M14S	86	8	1/1/1961	142	8	VC	1.90%	20.53	3	REHAB	1250G5	LAKE SHORE DR	NAVAJO	7		
3	62606	M14S	107	8	M14S	108	8	1/1/1962	170	8	VC	4.50%	6.42	3	REHAB	1250G5	LAKE LUCERNE DR	NAVAJO	7		
4	62607	M14S	109	8	M14S	107	8	1/1/1962	254	8	VC	1.50%	7.76	5	POINT REPAIR/REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7		
5	62608	M14S	110	7	M14S	109	8	1/1/1962	247	8	VC	1.00%	7.26	6	REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7		
6	62609	M15S		7	M14S	110	7	1/1/1962	156	8	VC	1.40%	4.42	5	REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7	ADD CLEAN OUT	
7	62611	M14S	260	9	M14S	111	5	8/23/1961	190	8	VC	2.10%	10.49	0	POINT REPAIR/REHAB	1250G5	TWIN LAKE DR	NAVAJO	7		
8	62616	M14S	116	7	M14S	153	7	1/1/1961	350	8	VC	2.50%	5.85	9	POINT REPAIR/REHAB	1250G5	GEM LAKE AV	NAVAJO	7		Slurry moratorium end 3/12/15
9	62617	M14S		8	M14S	116	7	1/1/1961	135	8	VC	7.00%	2.62	4	POINT REPAIR/REHAB	1250G5	FLAG LAKE ST	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
10	62618	M14S		6	M14S	120	8	1/1/1961	120	8	VC	0.40%	4.45	3	REHAB	1250G5	FLAG LAKE ST	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
11	62619	M14S	120	8	M14S	121	7	1/1/1961	295	8	VC	4.60%	4.61	6	REHAB	1250G5	GAY LAKE AV	NAVAJO	7		Slurry moratorium end 3/12/15
12	62620	M14S		7	M14S	120	8	1/1/1961	85	8	VC	0.40%	3.18	2	REHAB	1250G5	FLAG LAKE ST	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
13	62621	M14S		6	M14S	126	10	1/1/1961	60	8	VC	0.40%	5.11	3	REHAB	1250G5	TWIN LAKE DR	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
14	62624	M14S	124	7	M14S	128	16	1/1/1961	88	8	VC	12.00%	2.43	1	REHAB	1250G5	FLAG LAKE ST	NAVAJO	7		Slurry moratorium end 3/12/15
15	62625	M14S		7	M14S	124	7	1/1/1961	58	8	VC	0.60%	4.35	3	REHAB	1250G5	FLAG LAKE ST	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
16	62627	M14S	261	8	M14S	260	9	1/1/1961	128	8	VC	9.00%	7.39	1	POINT REPAIR/REHAB	1250G5	TWIN LAKE DR	NAVAJO	7		
17	62629	M14S		6	M14S	143	6	1/1/1961	200	8	VC	2.50%	5.08	7	REHAB	1250G5	LAKE ANDRITA AV	NAVAJO	7	ADD CLEAN OUT	
18	62630	M14S		7	M14S	143	8	1/1/1961	200	8	VC	3.00%	4.25	6	REHAB	1250G5	LAKE ANDRITA AV	NAVAJO	7	ADD CLEAN OUT	
19	62631	M14S	133	8	M14S	134	8	1/1/1961	201	8	VC	5.20%	4.84	5	REHAB	1250G5	LAKE ANDRITA AV	NAVAJO	7		
20	62632	N14S	332	8	M14S	134	8	1/1/1961	305	8	VC	5.50%	6.37	3	REHAB	1250G5	CORAL LAKE AV	NAVAJO	7		Slurry moratorium end 3/6/15
21	62633	M14S	135	7	N14S	332	8	1/1/1961	207	8	VC	8.00%	3.96	3	REHAB	1250G5	COMPASS LAKE DR	NAVAJO	7		Slurry moratorium end 3/12/15
22	62634	M14S		6	M14S	135	7	1/1/1961	110	8	VC	5.50%	3.06	4	REHAB	1250G5	COMPASS LAKE DR	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
23	62635	M14S		6	M14S	138	7	1/1/1961	100	8	VC	2.50%	3.33	4	REHAB	1250G5	COMPASS LAKE DR	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
24	62636	M14S	138	7	M14S	139	7	1/1/1961	250	8	VC	4.30%	4.47	6	REHAB	1250G5	COMPASS LAKE DR	NAVAJO	7		Slurry moratorium end 3/12/15
25	62637	M14S	139	7	M14S	126	10	1/1/1961	292	8	VC	5.50%	5.12	5	POINT REPAIR/REHAB	1250G5	COMPASS LAKE DR	NAVAJO	7		Slurry moratorium end 3/12/15
26	62639	N14S		6	M14S	140	7	1/1/1961	200	8	VC	2.40%	4.33	7	REHAB	1250G5	LAKE ADLON DR	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/12/15
27	62640	M14S		7	M14S	143	6	1/1/1961	192	8	VC	1.20%	4.56	4	REHAB	1250G5	LAKE TAHOE CT	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/13/15
28	62641	N14S		6	M14S	143	6	1/1/1961	350	8	VC	1.30%	12.35	7	REHAB	1250G5	LAKE TAHOE AV	NAVAJO	7		Slurry moratorium end 3/6/15
29	62645	M14S	143	6	M14S	145	6	1/1/1961	167	8	VC	3.80%	11.02	4	REHAB	1250G5	LAKE TAHOE AV	NAVAJO	7		Slurry moratorium end 3/13/15
30	62646	M14S	145	6	M14S	147	7	1/1/1961	154	8	VC	4.20%	11.09	2	REHAB	1250G5	LAKE TAHOE AV	NAVAJO	7		Slurry moratorium end 3/13/15
31	62647	M14S	147	7	M14S		9	1/1/1961	203	8	VC	5.50%	11.08	4	REHAB	1250G5	LAKE TAHOE AV	NAVAJO	7		Slurry moratorium end 3/13/15
32	62649	M14S		9	M14S	150	8	1/1/1961	350	8	VC	0.40%	25.08	7	REHAB	1250G5	LAKE ADLON DR	NAVAJO	7		Slurry moratorium end 3/13/15
33	62650	M14S	121	7	M14S	149	6	1/1/1961	184	8	VC	5.00%	5.31	4	POINT REPAIR/REHAB	1250G5	GAY LAKE AV	NAVAJO	7		Slurry moratorium end 3/12/15
34	62651	M14S	149	6	M14S	150	8	1/1/1961	156	8	VC	5.00%	5.47	1	REHAB	1250G5	GAY LAKE AV	NAVAJO	7		Slurry moratorium end 3/12/15

Pipeline Rehabilitation AD-1																					
NO	FSN	US FIELD BOOK PAGE	US MH	US MH Depth (ft)	DS FIELD BOOK PAGE	DS MH	DS MH Depth (ft)	INSTALLED DATE	LENGTH	SIZE	MATL	SLOPE	MAX d/D %	LATERALS	ACTION	THOMAS BRO	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	PEPC COMMENTS
35	62652	M14S	150	8	M14S	155	18	1/1/1961	344	8	VC	0.40%	27.2	6	REHAB	1250G5	LAKE ADLON DR	NAVAJO	7		Slurry moratorium end 3/6/15
36	62654	M14S	152	10	M14S	155	18	1/1/1961	139	8	VC	10.00%	3.21	2	REHAB	1250G5	LAKE ADLON CT	NAVAJO	7		Slurry moratorium end 3/6/15
37	62655	M14S	153	7	M14S	154	14	1/1/1961	163	8	VC	5.00%	5.15	1	REHAB	1250G5	GEM LAKE AV	NAVAJO	7		Slurry moratorium end 3/12/15
38	62825	M15S	74	9	M15S	69	7	1/1/1962	171	8	VC	0.50%	11.08	4	REHAB	1250G6	LAKE LUCERNE DR	NAVAJO	7		
39	62827	M15S	77	10	M15S	69	7	1/1/1962	295	8	VC	3.40%	13.95	5	REHAB	1250G6	LAKE REE AV	NAVAJO	7		
40	62828	M15S	68	10	M15S	69	7	1/1/1962	222	8	VC	0.70%	14.13	5	POINT REPAIR/REHAB	1250G5	LAKE LUCERNE DR	NAVAJO	7		
41	62829	M15S	66	0	M15S	68	10	1/1/1962	173	8	VC	5.00%	8.35	5	POINT REPAIR/REHAB	1250G5	LAKE LUCERNE DR	NAVAJO	7		
42	62831	M15S	65	8	M15S	66	0	1/1/1962	65	8	VC	12.30%	6.38	2	REHAB	1250G5	LAKE LUCERNE DR	NAVAJO	7		
43	62832	M14S	108	8	M15S	65	8	1/1/1962	322	8	VC	6.20%	7.26	9	REHAB	1250G5	LAKE LUCERNE DR	NAVAJO	7		
44	62833	M15S	78	8	M15S	79	7	1/1/1962	182	8	VC	5.10%	3.39	6	REHAB	1250G5	LAKE LOMOND DR	NAVAJO	7	ADD CLEAN OUT	
45	62834	M15S	79	7	M15S	78	10	1/1/1962	350	8	VC	5.10%	5.74	10	REHAB	1250G5	LAKE LOMOND DR	NAVAJO	7		
46	62835	M15S	78	10	M15S	77	10	1/1/1962	216	8	VC	2.40%	7.44	3	POINT REPAIR/REHAB	1250G6	LAKE LOMOND DR	NAVAJO	7		
47	62836	M15S	135	10	M15S	77	10	1/1/1962	290	8	VC	4.90%	9.48	5	POINT REPAIR/REHAB	1250G6	LAKE REE AV	NAVAJO	7		
48	62837	M15S	77	8	M15S	135	10	1/1/1962	124	8	VC	3.80%	6.6	1	REHAB	1250G6	LAKE LEVEN DR	NAVAJO	7		
49	62838	M15S	75	12	M15S	77	10	1/1/1962	174	8	VC	0.90%	8.97	3	REHAB	1250G6	LAKE LOMOND DR	NAVAJO	7		
50	62839	M15S	94	7	M15S	78	8	1/1/1962	350	8	VC	1.90%	7.33	9	REHAB	1250G6		NAVAJO	7		
51	62840	M15S	77	7	M15S	94	7	1/1/1962	144	8	VC	1.90%	4.88	6	REHAB	1250G6	LAKE LEVEN DR	NAVAJO	7	ADD CLEAN OUT	
52	62842	M15S	78	8	M15S	89	7	1/1/1962	138	8	VC	5.00%	3.65	5	REHAB	1250G6	LAKE LOMOND DR	NAVAJO	7	ADD CLEAN OUT	
53	62843	M15S	89	7	M15S	75	12	1/1/1962	350	8	VC	3.30%	6.27	9	REHAB	1250G6	LAKE LOMOND DR	NAVAJO	7		
54	62844	M15S	88	8	M15S	74	9	1/1/1962	350	8	VC	3.40%	6.31	9	REHAB	1250G6	LAKE LUCERNE DR	NAVAJO	7		
55	62845	M15S	90	9	M15S	78	8	1/1/1962	188	8	VC	3.40%	4.13	6	REHAB	1250G6	LAKE LUCERNE DR	NAVAJO	7	ADD CLEAN OUT	
56	62853	M15S	95	12	M15S	98	6	1/1/1960	350	8	VC	0.40%	19.7	7	REHAB	1250G6	TWIN LAKE DR	NAVAJO	7		
57	62854	M15S	98	6	M15S	100	19	1/1/1960	169	8	VC	9.70%	9.23	1	POINT REPAIR/REHAB	1250G6	TWIN LAKE DR	NAVAJO	7		
58	62858	M15S	102	12	M15S	101	15	1/1/1962	285	8	VC	0.40%	65	9	REPLACE	1250G6	BLUE LAKE DR	NAVAJO	7	Rehab if possible, otherwise check for GI in the area. Add to existing/future GI.	Overlay moratorium end 2/10/16. Water Group 968 planning SC 1/2017 EC 8/2017. IF REHAB IS NOT FEASIBLE, DELETE FROM SCOPE & RETURN TO PUD.
59	62859	M15S	103	8	M15S	102	12	1/1/1959	285	8	VC	0.40%	64	9	REPLACE	1250G6	BLUE LAKE DR	NAVAJO	7	Rehab if possible, otherwise check for GI in the area. Add to existing/future GI.	Overlay moratorium end 2/10/16. Water Group 968 planning SC 1/2017 EC 8/2017. IF REHAB IS NOT FEASIBLE, DELETE FROM SCOPE & RETURN TO PUD.
60	62860	M15S	106	6	M15S	103	8	1/1/1962	195	8	VC	0.40%	64	1	REPLACE	1250G6	BLUE LAKE DR	NAVAJO	7	Rehab if possible, otherwise check for GI in the area. Add to existing/future GI.	Overlay moratorium end 2/10/16. Water Group 968 planning SC 1/2017 EC 8/2017. IF REHAB IS NOT FEASIBLE, DELETE FROM SCOPE & RETURN TO PUD.
61	62861	M15S	104	4	M15S	106	6	1/1/1962	158	8	VC	0.50%	5.04	3	POINT REPAIR/REHAB	1250G6	COWLES MTN BL	NAVAJO	7	ADD CLEAN OUT	
62	62862	M15S	105	9	M15S	106	6	1/1/1959	183	8	VC	2.40%	18.08	4	POINT REPAIR/REHAB	1250G6	BLUE LAKE DR	NAVAJO	7		Water Group 968 planning SC 1/2017 EC 8/2017
63	62863	M15S	107	8	M15S	106	6	1/1/1959	231	8	VC	0.40%	63	4	REHAB	1250G6	COWLES MTN BL	NAVAJO	7		
64	62864	M15S	108	6	M15S	107	8	1/1/1959	75	8	VC	5.10%	7.49	0	POINT REPAIR/REHAB	1250G6	CEDAR LAKE AV	NAVAJO	7		
65	62865	M15S	109	6	M15S	108	6	1/1/1959	300	8	VC	1.80%	9.55	8	POINT REPAIR/REHAB	1250G6	CEDAR LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
66	62866	M15S	110	6	M15S	109	6	1/1/1959	300	8	VC	0.60%	10.33	10	POINT REPAIR/REHAB	1250G6	CEDAR LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
67	62867	M15S	111	6	M15S	110	6	1/1/1959	330	8	VC	0.90%	7.05	10	POINT REPAIR/REHAB	1250G6	CEDAR LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
68	62868	M15S	112	5	M15S	111	6	1/1/1959	23	8	VC	0.60%	3.32	2	REHAB	1250G6	CEDAR LAKE AV	NAVAJO	7	ADD CLEAN OUT	Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18

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69	62869	M155		7	M155	95	12	1/1/1960	187	8	VC	4.00%	2.6	3	REHAB	1250G6	GLORIA LAKE AV	NAVAJO	7	ADD CLEAN OUT	
70	62870	M155		7	M155	114	6	1/1/1960	200	8	VC	1.60%	3.7	5	POINT REPAIR/REHAB	1250G6	GLORIA LAKE AV	NAVAJO	7	ADD CLEAN OUT	
71	62871	M155	114	6	M155	115	7	1/1/1960	350	8	VC	1.80%	5.24	5	REHAB	1250G6	GLORIA LAKE AV	NAVAJO	7		
72	62873	M155	115	7	M155	116	0	1/1/1960	292	8	VC	1.30%	7.19	9	REHAB	1250G6	GLORIA LAKE AV	NAVAJO	7		
73	62874	M155	117	7	M155	116	0	1/1/1960	12	8	VC	5.70%	34	1	REHAB	1250G6	COWLES MTN BL	NAVAJO	7		
74	62875	M155	119	6	M155	117	7	1/1/1960	200	8	VC	2.60%	32	4	REHAB	1250G6	COWLES MTN BL	NAVAJO	7		
75	62876	M155	118	8	M155	119	6	1/1/1964	231	8	VC	1.80%	3.38	7	REHAB	1250G6	COWLES MTN PL	NAVAJO	7		
76	62877	N155	212	5	M155	119	6	1/1/1960	214	8	VC	2.50%	32	3	REHAB	1250G6	COWLES MTN BL	NAVAJO	7		
77	62878	M155	121	6	N155	212	5	1/1/1960	50	8	VC	0.80%	7.65	0	POINT REPAIR/REHAB	1250G6	TOPAZ LAKE AV	NAVAJO	7		
78	62879	M155	122	6	M155	121	6	1/1/1960	215	8	VC	4.80%	5.02	6	REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7		
79	62881	M155	124	6	M155	122	6	1/1/1960	324	8	VC	4.00%	4.34	12	POINT REPAIR/REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7		
80	62882	M155		6	M155	128	6	1/1/1960	200	8	VC	1.80%	3.97	7	POINT REPAIR/REHAB	1250G5	TOPAZ LAKE AV	NAVAJO	7	ADD CLEAN OUT	
81	62885	M155		8	M155	130	7	1/1/1962	40	8	VC	0.40%	2.7	1	REHAB	1250G5	TWIN LAKE DR	NAVAJO	7	ADD CLEAN OUT	
82	62886	M155	130	7	M155	132	6	1/1/1960	124	8	VC	1.50%	6.59	1	REHAB	1250G5	TWIN LAKE DR	NAVAJO	7		
83	62887	M155	132	6	M155	133	6	1/1/1960	350	8	VC	1.70%	7.89	5	POINT REPAIR/REHAB	1250G5	TWIN LAKE DR	NAVAJO	7		
84	62888	M155	133	6	M155	134	10	1/1/1960	350	8	VC	0.80%	14.6	5	POINT REPAIR/REHAB	1250G5	TWIN LAKE DR	NAVAJO	7		
85	62889	M155	134	10	M155	95	12	1/1/1960	176	8	VC	0.40%	17.79	2	REHAB	1250G6	TWIN LAKE DR	NAVAJO	7		
86	62890	M155		12	M155	135	10	1/1/1962	135	8	VC	0.40%	3.72	2	REHAB	1250G6	LAKE REE AV	NAVAJO	7	ADD CLEAN OUT	
87	62891	M155	136	11	M155	135	10	1/1/1962	350	8	VC	1.30%	9.14	8	REHAB	1250G5	LAKE LEVEN DR	NAVAJO	7		
88	62892	M155	137	9	M155	136	11	1/1/1962	292	8	VC	3.20%	5.52	8	REHAB	1250G5	LAKE LEVEN DR	NAVAJO	7		
89	62893	M155		7	M155	137	9	1/1/1962	65	8	VC	8.60%	2.34	3	REHAB	1250G5	LAKE LEVEN DR	NAVAJO	7	ADD CLEAN OUT	
90	65454	N145	101	6	N145	228	12	1/1/1959	347	8	VC	3.90%	6.57	6	POINT REPAIR/REHAB	1250J5	BOULDER LAKE AV	NAVAJO	7		
91	65455	N145	228	12	N145	229	12	1/1/1959	251	8	VC	0.40%	13.33	6	REHAB	1250J5	LAKE ADLON DR	NAVAJO	7		
92	65456	N145	229	12	N145	230	13	1/1/1959	250	8	VC	0.40%	15.62	10	REHAB	1250J5	LAKE ADLON DR	NAVAJO	7		
93	65509	N145	294	6	N145	292	6	1/1/1961	237	8	VC	1.00%	9.53	5	POINT REPAIR/REHAB	1250H5	LAKE TAHOE AV	NAVAJO	7		Slurry moratorium end 3/6/15
94	65538	N145		10	N145	294	6	1/1/1961	287	8	VC	4.50%	5.1	9	REHAB	1250H5	CORAL LAKE AV	NAVAJO	7		Slurry moratorium end 3/6/15
95	65539	N145		7	N145	331	7	1/1/1961	91	8	VC	6.70%	2.65	3	REHAB	1250G5	CORAL LAKE AV	NAVAJO	7	ADD CLEAN OUT	Slurry moratorium end 3/13/15
96	65540	N145	331	7	N145	332	8	1/1/1961	195	8	VC	7.50%	3.65	4	REHAB	1250G5	CORAL LAKE AV	NAVAJO	7		Slurry moratorium end 3/13/15
97	65541	N145	334	9	N145	333	6	1/1/1959	300	8	VC	5.00%	5.06	9	REHAB	1250H5	COWLES MTN BL	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
98	65542	N145		6	N145	334	9	1/1/1959	120	8	VC	1.00%	3.59	2	REHAB	1250H5	COWLES MTN BL	NAVAJO	7	ADD CLEAN OUT	Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
99	65543	N145		6	N145	336	6	1/1/1959	80	8	VC	6.00%	1.95	3	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7	ADD CLEAN OUT	
100	65544	N145	336	6	N145	339	6	1/1/1959	150	8	VC	3.00%	4.25	4	POINT REPAIR/REHAB	1250H5	LAKE DECATUR AV	NAVAJO	7		
101	65545	N145	339	6	N145	340	6	1/1/1959	300	8	VC	4.60%	6.24	9	REHAB	1250H5	LAKE DECATUR AV	NAVAJO	7		
102	65546	N145	342	8	N145	341	6	1/1/1959	205	8	VC	2.00%	6.39	6	REHAB	1250H5	LAKE DORA AV	NAVAJO	7		

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103	65547	N145		7	N145	342	8	1/1/1959	110	8	VC	1.00%	2.95	3	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7	ADD CLEAN OUT	
104	65548	N145		10	N145	342	8	1/1/1959	175	8	VC	1.00%	4.32	5	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7	ADD CLEAN OUT	
105	65549	N145		6	N145	424	7	1/1/1959	350	8	VC	0.60%	7.64	10	POINT REPAIR/REHAB	1250H5	LAKE ADLON DR	NAVAJO	7		
106	65550	N145		6	N145	346	6	1/1/1959	220	8	VC	3.20%	4.7	8	POINT REPAIR/REHAB	1250H5	LAKE COMO AV	NAVAJO	7		
107	65551	N145	347	6	N145	424	7	1/1/1959	270	8	VC	7.50%	3.11	5	REHAB	1250H5	LAKE KATHLEEN AV	NAVAJO	7		
108	65553	N145	349	6	N145		9	1/1/1959	247	8	VC	8.00%	4.61	4	REHAB	1250H5	LAKE BADIN AV	NAVAJO	7		
109	65554	N145	351	6	N145		9	1/1/1959	215	8	VC	7.60%	5.16	4	REHAB	1250H5	BADGER LAKE AV	NAVAJO	7		
110	65555	N145	350	9	N145		9	1/1/1959	278	8	VC	2.10%	10.57	0	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7		
111	65556	N145		9	N145	355	7	1/1/1959	276	8	VC	1.80%	12.94	0	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7		
112	65557	N145	352	6	N145	355	7	1/1/1959	250	8	VC	5.70%	5.59	6	REHAB	1250H5	BUDLONG LAKE AV	NAVAJO	7		
113	65558	N145	354	6	N145	353	33	1/1/1959	350	8	VC	0.50%	21.79	8	REHAB	1250H5	BALSAM LAKE AV	NAVAJO	7		
114	65559	N145	355	7	N145	354	6	1/1/1959	256	8	VC	1.80%	14.78	0	REHAB	1250H5	LAKE ADLON DR	NAVAJO	7		
115	65591	M145	134	8	N155		12	1/1/1959	291	8	VC	5.70%	8.19	3	REHAB	1250G5	LAKE ANDRITA AV	NAVAJO	7		
116	65592	N155		12	N155	31	9	1/1/1959	130	8	VC	1.50%	22.61	0	REHAB	1250H5	COWLES MTN BL	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
117	65593	N145	333	6	N155		12	1/1/1959	350	8	VC	10.50%	5.48	8	POINT REPAIR/REHAB	1250H5	COWLES MTN BL	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
118	65594	N155	2	8	N155		12	1/1/1959	270	8	VC	3.00%	16.85	7	REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
119	65595	N145		6	N155	2	8	1/1/1959	288	8	VC	4.60%	7.27	5	REHAB	1250H5	LAKE DECATUR AV	NAVAJO	7		
120	65596	N155	3	6	N155	2	8	1/1/1959	258	8	VC	2.00%	16.69	4	REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
121	65597	N155		0	N155	3	6	1/1/1959	299	8	VC	2.10%	9.64	7	POINT REPAIR/REHAB	1250H5	LAKE DORA AV	NAVAJO	7		
122	65598	N155	4	8	N155	3	6	1/1/1959	290	8	VC	3.00%	12.48	5	POINT REPAIR/REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
123	65599	N155	7	8	N155	4	8	1/1/1959	245	8	VC	2.80%	9.6	4	REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
124	65601	N145		6	N155	5	6	1/1/1959	300	8	VC	3.10%	6.78	8	POINT REPAIR/REHAB	1250H5	LAKE COMO AV	NAVAJO	7		
125	65602	N145	348	6	N155	6	6	1/1/1959	350	8	VC	2.60%	5.52	12	REHAB	1250H5	LAKE KATHLEEN AV	NAVAJO	7		
126	65604	N155		7	N155	7	8	1/1/1959	286	8	VC	1.60%	7.54	4	POINT REPAIR/REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
127	65609	N155	31	9	N155	14	7	8/23/1961	181	8	VC	1.50%	22.59	0	POINT REPAIR/REHAB	1250G5	COWLES MTN BL	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
128	65611	N155	14	7	N155	212	5	8/23/1961	314	8	VC	1.50%	36	1	REHAB	1250G5	COWLES MTN BL	NAVAJO	7		
129	65612	N155		5	N155	25	6	1/1/1960	123	8	VC	0.40%	4.45	3	REHAB	1250G6	TOPAZ LAKE AV	NAVAJO	7	ADD CLEAN OUT	Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
130	65613	N155		6	N155	213	0	1/1/1960	317	8	VC	0.60%	8.74	8	POINT REPAIR/REHAB	1250H6	SPRUCE LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
131	65614	N155		5	N155	22	6	1/1/1960	100	8	VC	2.30%	2.44	2	POINT REPAIR/REHAB	1250H6	TOPAZ LAKE AV	NAVAJO	7	ADD CLEAN OUT	Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
132	65615	N155		6	N155	35	7	1/1/1960	85	8	VC	0.40%	3.61	2	REHAB	1250H6	TOPAZ LAKE AV	NAVAJO	7	ADD CLEAN OUT	Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
133	65616	N155	35	7	N155	58	11	1/1/1960	300	8	VC	0.40%	20.84	10	REHAB	1250H6	PEARL LAKE AV	NAVAJO	7		
134	65617	N155	36	6	N155	35	7	1/1/1960	261	8	VC	4.90%	10.5	4	REHAB	1250H6	TOPAZ LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
135	65618	N155	37	6	N155	36	6	1/1/1959	276	8	VC	5.20%	8.02	5	REHAB	1250H6	TOPAZ LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18
136	65619	N155	38	8	N155	37	6	1/1/1959	276	8	VC	2.70%	6.39	4	REHAB	1250H6	TOPAZ LAKE AV	NAVAJO	7		Overlay planning - AC Overlay Group 1801 - SC 3/15/18 EC 9/15/18

Pipeline Rehabilitation AD-1																					
NO	FSN	US FIELD BOOK PAGE	US MH	US MH Depth (ft)	DS FIELD BOOK PAGE	DS MH	DS MH Depth (ft)	INSTALLED DATE	LENGTH	SIZE	MATL	SLOPE	MAX d/D %	LATERALS	ACTION	THOMAS BRO	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	PEPC COMMENTS
137	65620	N155		5	N155	38	8	1/1/1959	65	8	VC	0.40%	2.7	2	REHAB	1250H6	LAKE BADIN AV	NAVAJO	7	ADD CLEAN OUT	
138	65621	N155	48	6	N155	38	8	1/1/1959	320	8	VC	1.60%	6.23	12	REHAB	1250H6	LAKE BADIN AV	NAVAJO	7		
139	65622	N155		7	N155	50	7	1/1/1959	170	8	VC	4.70%	3.46	5	REHAB	1250H6	BLUE LAKE DR	NAVAJO	7	ADD CLEAN OUT	
140	65623	N155	50	7	N155	55	8	1/1/1959	276	8	VC	5.00%	4.79	6	REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
141	65624	N155	51	6	N155	52	6	1/1/1959	155	8	VC	0.60%	6	6	REHAB	1250H6	MERCED LAKE AV	NAVAJO	7		
142	65625	N155	52	6	N155	37	6	1/1/1959	254	8	VC	1.70%	6.9	7	REHAB	1250H6	MERCED LAKE AV	NAVAJO	7		
143	65626	N155	53	6	N155	36	6	1/1/1959	287	8	VC	2.00%	7.94	8	POINT REPAIR/REHAB	1250H6	CRYSTAL LAKE AV	NAVAJO	7		
144	65627	N155	54	6	N155	53	6	1/1/1959	215	8	VC	0.60%	7.44	8	REHAB	1250H6	CRYSTAL LAKE AV	NAVAJO	7		
145	65628	N155		8	N155	56	15	1/1/1959	289	8	VC	7.70%	5.28	6	REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
146	65629	N155		13	N155	56	15	1/1/1959	250	8	VC	0.40%	22.5	6	REHAB	1250H6	PEARL LAKE AV	NAVAJO	7		
147	65630	N155	59	11	N155		13	1/1/1959	197	8	VC	0.40%	22.02	7	REHAB	1250H6	PEARL LAKE AV	NAVAJO	7		
148	65632	N155	59	8	N155	60	9	1/1/1959	350	8	VC	1.00%	10.43	9	POINT REPAIR/REHAB	1250G6	SPRUCE LAKE AV	NAVAJO	7		
149	65633	N155	60	9	M155	105	9	1/1/1960	200	8	VC	2.80%	17.36	6	REHAB	1250G6	BLUE LAKE DR	NAVAJO	7		Water Group 968 planning SC 1/2017 EC 8/2017
150	65634	N155	56	15	N155	60	9	1/1/1959	286	8	VC	2.70%	15.96	7	REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
151	65635	N155	61	8	N155	62	6	1/1/1959	175	8	VC	10.20%	2.77	5	REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
152	65636	N155	62	6	N155	62	6	1/1/1959	200	8	VC	2.00%	6.78	6	POINT REPAIR/REHAB	1250H6	EMERALD LAKE AV	NAVAJO	7		
153	65637	N155	69	6	N155	68	6	1/1/1959	199	8	VC	1.90%	5.67	9	POINT REPAIR/REHAB	1250H6	EMERALD LAKE AV	NAVAJO	7		
154	65638	N155	70	6	N155	71	6	1/1/1959	194	8	VC	2.40%	5.51	10	REHAB	1250H6	ROSE LAKE AV	NAVAJO	7		
155	65639	N155	71	6	N155	67	8	1/1/1959	185	8	VC	3.40%	5.89	5	REHAB	1250H6	ROSE LAKE AV	NAVAJO	7		
156	65640	N155	62	6	N155	67	8	1/1/1959	255	8	VC	4.70%	6.73	4	POINT REPAIR/REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
157	65646	N155	74	8	N155	67	8	1/1/1959	264	8	VC	4.10%	8.29	4	POINT REPAIR/REHAB	1250H6	BLUE LAKE DR	NAVAJO	7		
158	65648	N155	72	7	N155	73	7	1/1/1959	183	8	VC	1.00%	6.88	9	REHAB	1250H6	RUBY LAKE AV	NAVAJO	7		
159	65649	N155	77	6	N155	76	6	1/1/1959	315	8	VC	1.50%	5.5	10	REHAB	1250H6	BOULDER LAKE AV	NAVAJO	7		
160	65653	N155	82	12	N155	83	15	1/1/1959	260	8	VC	0.40%	28.5	1	POINT REPAIR/REHAB	1250H6	LAKE MURRAY BL	NAVAJO	7		
161	65654	N155	81	9	N155	82	12	1/1/1959	260	8	VC	0.40%	27.53	1	POINT REPAIR/REHAB	1250J6	LAKE MURRAY BL	NAVAJO	7		
162	65657	N155	80	7	N155	81	9	1/1/1959	259	8	VC	0.40%	26.87	1	REHAB	1250J6	LAKE MURRAY BL	NAVAJO	7		
163	65658	N155	126	8	N155	80	7	1/1/1959	310	8	VC	0.60%	22.71	0	POINT REPAIR/REHAB	1250J6	LAKE MURRAY BL	NAVAJO	7		Overlay moratorium end 7/23/18. If internal point repair is not feasible, then this FSN shall be removed from the project scope.
164	65661	N155	78	5	N155	89	9	8/23/1961	214	8	VC	4.30%	2.34	3	POINT REPAIR/REHAB	1250H6	BOULDER LAKE AV	NAVAJO	7		
165	65665	N155	93	6	N155	95	12	1/1/1959	250	8	VC	7.50%	3.75	7	POINT REPAIR/REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
166	65666	N155	96	6	N155	95	12	1/1/1959	309	8	VC	0.40%	27.89	5	POINT REPAIR/REHAB	1250H5	LAKE ANDRITA AV	NAVAJO	7		
167	65667	N155	97	12	N155	96	6	1/1/1959	280	8	VC	0.50%	24.66	5	POINT REPAIR/REHAB	1250H6	LAKE ANDRITA AV	NAVAJO	7		
168	65669	N155		7	N155	97	12	1/1/1959	70	8	VC	10.00%	1.73	2	REHAB	1250H6	LAKE ANDRITA AV	NAVAJO	7	ADD CLEAN OUT	
169	65670	N155		11	N155	89	9	1/0/1900	350	8	VC	3.50%	7.16	4	REHAB	1250H6	BOULDER LAKE AV	NAVAJO	7		
170	65671	N155	87	8	N155	126	8	2/24/1959	241	8	VC	3.70%	4.64	8	REHAB	1250J6	LAKE ALAMOR AV	NAVAJO	7		

Pipeline Rehabilitation AD-1

NO	FSN	US FIELD BOOK PAGE	US MH	US MH Depth (ft)	DS FIELD BOOK PAGE	DS MH	DS MH Depth (ft)	INSTALLED DATE	LENGTH	SIZE	MATL	SLOPE	MAX d/D %	LATERALS	ACTION	THOMAS BRO	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	PEPC COMMENTS
171	65672	N155	99	6	N155	98	11	1/1/1959	350	8	VC	3.90%	6.04	14	REHAB	1250J5	BOULDER LAKE AV	NAVAJO	7		
172	65673	N155	100	6	N155	101	6	1/1/1959	350	8	VC	3.00%	5.41	9	POINT REPAIR/REHAB	1250J5	BOULDER LAKE AV	NAVAJO	7		
173	65675	N145	353	33	N155	102	35	1/1/1959	350	8	VC	0.40%	24.06	9	REHAB	1250H5	BALSAM LAKE AV	NAVAJO	7		
174	65677	N155	104	8	N155	96	6	1/1/1959	187	8	VC	4.90%	6.15	4	REHAB	1250H5	BUDLONG LAKE AV	NAVAJO	7		
175	65678	N155		6	N155	104	8	1/1/1959	350	8	VC	7.70%	4.65	10	REHAB	1250H5	BUDLONG LAKE AV	NAVAJO	7		
176	65679	N155	108	6	N145	352	6	1/1/1959	250	8	VC	0.70%	7.22	8	REHAB	1250H5	BUDLONG LAKE AV	NAVAJO	7		
177	65680	N155	110	6	N155	111	6	1/1/1959	350	8	VC	8.40%	4.25	11	REHAB	1250H5	BADGER LAKE AV	NAVAJO	7		
178	65681	N155	111	6	N155	95	12	1/1/1959	227	8	VC	7.90%	5.11	4	REHAB	1250H5	BADGER LAKE AV	NAVAJO	7		
179	65682	N155	112	6	N155		7	1/1/1959	250	8	VC	7.30%	4.72	4	REHAB	1250H5	LAKE BADIN AV	NAVAJO	7		
180	65683	N155		6	N155	112	6	1/1/1959	275	8	VC	3.20%	4.81	10	REHAB	1250H5	LAKE BADIN AV	NAVAJO	7		
181	65684	N155	95	12	N155	92	9	1/1/1959	311	8	VC	1.50%	21.28	0	POINT REPAIR/REHAB	1250H5		NAVAJO	7		Non-ROW
182	65685	N155	115	10	N155	116	7	1/1/1959	270	8	VC	1.70%	6.63	10	POINT REPAIR/REHAB	1250J5	LAKE ARTEMUS AV	NAVAJO	7		
183	65686	N155	116	7	N155	117	12	1/1/1959	254	8	VC	2.60%	7.32	5	REHAB	1250J5	LAKE ARTEMUS AV	NAVAJO	7		
184	65687	N155	118	12	N155	117	12	1/1/1959	288	8	VC	1.80%	12.08	0	POINT REPAIR/REHAB	1250J5	LAKE MURRAY BL	NAVAJO	7		Overlay moratorium end 7/23/18. If internal point repair is not feasible, FSN shall be removed from the project scope.
185	65688	N145	280	13	N155	118	12	1/1/1959	301	8	VC	0.40%	17.07	9	REHAB	1250J5	LAKE ADLON DR	NAVAJO	7		
186	65699	N155	119	11	N155	122	11	5/22/1957	288	8	VC	0.80%	18.9	0	REHAB	1250J5	LAKE MURRAY BL	NAVAJO	7		Overlay moratorium end 7/23/18
187	65700	N155	117	12	N155	119	11	1/1/1959	309	8	VC	1.00%	16.51	0	POINT REPAIR/REHAB	1250J5	LAKE MURRAY BL	NAVAJO	7		Overlay moratorium end 7/23/18. If internal point repair is not feasible, then this FSN shall be removed from the project scope.
188	65701	N155	120	9	N155	119	11	1/1/1959	299	8	VC	4.30%	5.59	6	REHAB	1250J5	LAKE ASHWOOD AV	NAVAJO	7		
189	65703	N155		7	N155	122	11	7/19/1962	246	8	VC	4.00%	0	7	POINT REPAIR/REHAB	1250J5	LAKE ALTURAS AV	NAVAJO	7		
190	65705	N155	122	11	N155	126	8	1/1/1959	260	8	VC	0.60%	21.57	0	REHAB	1250J6	LAKE MURRAY BL	NAVAJO	7		Overlay moratorium end 7/23/18
191	65773	N155	114	6	N145	349	6	1/1/1959	210	8	VC	2.60%	4.82	6	REHAB	1250H5	LAKE BADIN AV	NAVAJO	7		
192	65774	N155	109	6	N145	351	6	1/1/1959	210	8	VC	2.40%	5.58	8	REHAB	1250H5	BADGER LAKE AV	NAVAJO	7		
193	5042260	N145	341	6	N155	220	0	1/1/1959	300	8	VC	3.40%	7.54	10	REHAB	1250H5	LAKE DORA AV	NAVAJO	7		

Total Footage (rehab) 44505 ft 992 =connections

Total Mileage 8.428977 mi

* Rehab if possible, otherwise check for GJ in the area; Add to existing/future GJ

SUMMARY	
Add Clean Out =	35
Rehab MH =	38
Replace MH =	20
Repair MH =	5
PR/Rehab =	56

APPENDIX J
SEWER CLEAN OUTS AND MANHOLES

Sewer Clean Outs and Manholes to be Rehabilitated, Repaired, or Replaced
Sewer Pipeline Rehabilitation AD-1

	MH/PLUG FSN	FAC_TYP	FIELD BOOK	MAP ID	MAIN FSN	MH/PLUG DEPTH (ft)	INV. ELE	POSS. LAT'L	ACTION	STREET NAME	THOMAS BROS	COMMUNITY	COUNCIL DISTRICT	COMMENTS
1	129014	MH	M14S	107	62606	8	615.58	2	REHAB	LAKE LUCERNE	1250G5	CLAIREMONT MESA	7	-
2	129023	MH	M14S	116	62616	7	649.66	1	REHAB	GEM LAKE	1250G5	CLAIREMONT MESA	7	-
3	129043	MH	M14S	139	62636	7	671.78	2	REHAB	COMPASS LAKE	1250G5	CLAIREMONT MESA	7	-
4	129044	MH	M14S	140	62639	7	685.67	0	REHAB	LAKE ADLON	1250G5	CLAIREMONT MESA	7	-
5	129050	MH	M14S	146	62645	6	654.44	1	REHAB	LAKE TAHOE	1250G5	CLAIREMONT MESA	7	-
6	129051	MH	M14S	147	62646	7	647.97	0	REHAB	LAKE TAHOE	1250G5	CLAIREMONT MESA	7	-
7	129056	MH	M14S	152	62654	10	647.97	1	REHAB	LAKE ADLON	1250G5	CLAIREMONT MESA	7	-
8	129058	MH	M14S	154	62581	14	632.76	0	REHAB	LAKE SHORE	1250G5	CLAIREMONT MESA	7	-
9	129237	MH	M15S	77	62835	10	579.93	0	REHAB	LAKE LOMOND	1250G6	CLAIREMONT MESA	7	-
10	129239	MH	M15S	79	62834	7	602.96	1	REHAB	LAKE LOMOND	1250G5	CLAIREMONT MESA	7	-
11	129255	MH	M15S	95	62853	12	613.80	0	REHAB	TWIN LAKE	1250G6	CLAIREMONT MESA	7	-
12	129261	MH	M15S	102	62859	12	598.26	1	REHAB	BLUE LAKE	1250G6	CLAIREMONT MESA	7	-
13	129270	MH	M15S	111	62867	6	815.14	0	REHAB	CEDAR LAKE	1250G6	CLAIREMONT MESA	7	-
14	129273	MH	M15S	114	62871	6	618.05	0	REHAB	GLORIA LAKE	1250G6	CLAIREMONT MESA	7	-
15	129276	MH	M15S	117	62875	7	608.68	0	REHAB	COWLES MTN	1250G6	CLAIREMONT MESA	7	-
16	129277	MH	M15S	118	62876	8	613.54	2	REHAB	COWLES MTN	1250G6	CLAIREMONT MESA	7	-
17	129285	MH	M15S	128	62882	6	639.61	1	REHAB	TOPAZ LAKE	1250G5	CLAIREMONT MESA	7	-
18	129289	MH	M15S	132	62886	6	623.25	1	REHAB	TWIN LAKE	1250G5	CLAIREMONT MESA	7	-
19	129292	MH	M15S	135	62836	10	594.15	0	REHAB	LAKE REE	1250G6	CLAIREMONT MESA	7	-
20	129294	MH	M15S	137	62892	9	608.04	0	REHAB	LAKE LEVEN	1250G5	CLAIREMONT MESA	7	-
21	131943	MH	N14S	333	65593	6	665.16	0	REHAB	COWLES MTN	1250H5	CLAIREMONT MESA	7	-
22	131948	MH	N14S	339	65544	6	663.63	0	REHAB	LAKE DECATUR	1250H5	CLAIREMONT MESA	7	-
23	131950	MH	N14S	341	65546	6	658.23	1	REHAB	LAKE DORA	1250H5	CLAIREMONT MESA	7	-
24	132001	MH	N15S	3	65596	6	641.75	0	REHAB	LAKE DORA	1250H5	CLAIREMONT MESA	7	-
25	132017	MH	N15S	31	65592	9	626.61	0	REHAB	COWLES MTN	1250G5	CLAIREMONT MESA	7	-
26	132019	MH	N15S	36	65617	6	633.77	0	REHAB	TOPAZ LAKE	1250H6	CLAIREMONT MESA	7	-
27	132021	MH	N15S	38	65619	8	655.66	1	REHAB	TOPAZ LAKE	1250H6	CLAIREMONT MESA	7	-
28	132032	MH	N15S	58	65630	11	619.74	2	REHAB	PEARL LAKE	1250H6	CLAIREMONT MESA	7	-
29	132033	MH	N15S	59	65632	8	613.67	1	REHAB	SPRUCE LAKE	1250G6	CLAIREMONT MESA	7	-
30	132042	MH	N15S	68	65636	6	642.33	1	REHAB	EMERALD LAKE	1250H6	CLAIREMONT MESA	7	-
31	132045	MH	N15S	71	65639	6	632.57	2	REHAB	ROSE LAKE	1250H6	CLAIREMONT MESA	7	-
32	132050	MH	N15S	76	66649	6	645.32	1	REHAB	BOULDER LAKE	1250H6	CLAIREMONT MESA	7	-
33	132061	MH	N15S	87	65671	8	0.00	2	REHAB	LAKE ALAMOR	1250J6	CLAIREMONT MESA	7	-
34	132077	MH	N15S	104	65677	8	651.88	0	REHAB	BUDLONG LAKE	1250H5	CLAIREMONT MESA	7	-
35	132082	MH	N15S	111	65681	6	659.54	1	REHAB	BADGER LAKE	1250H5	CLAIREMONT MESA	7	-
36	132086	MH	N15S	115	65685	10	641.32	2	REHAB	LAKE ARTEMUS	1250J5	CLAIREMONT MESA	7	-
37	132093	MH	N15S	122	65699	11	624.70	0	REHAB	LAKE MURRAY	1250J6	CLAIREMONT MESA	7	-
38	132177	MH	N15S	213	65613	0	617.25	0	REHAB	SPRUCE LAKE	1250H6	CLAIREMONT MESA	7	-
39	129052	MH	M14S	148	62647	9	636.82	0	PT REPAIR	LAKE ADLON	1250G5	CLAIREMONT MESA	7	-
40	131938	MH	N14S	328	65538	10	680.62	2	PT REPAIR	CORAL LAKE	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6409 CORAL LAKE AV, 6412 CORAL LAKE AV

41	131965	MH	N14S	356	65555	9	658.48	0	PT REPAIR	LAKE ADLON	1250H5	CLAIREMONT MESA	7	-
42	132094	MH	N15S	124	65703	7	634.54	2	PT REPAIR	LAKE ALTURAS	1250J5	CLAIREMONT MESA	7	LOCATE LAT'L 6396 LAKE ALTURAS AV, 6397 LAKE ALTURAS AV
43	5042259	MH	N15S	220	65597	0	0.00	1	PT REPAIR	LAKE DORA	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6327 LAKE DORA AV
44	129036	MH	M14S	129	62629	6	657.50	1	REPLACE	LAKE ANDRITA	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7714 LAKE ANDRITA AV
45	129037	MH	M14S	133	62631	8	655.49	1	REPLACE	LAKE ANDRITA	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7825 LAKE ANDRITA AV
46	129057	MH	M14S	153	62655	7	640.91	0	REPLACE	GEM LAKE	1250G5	CLAIREMONT MESA	7	-
47	129236	MH	M15S	76	62837	8	598.24	0	REPLACE	LAKE LEVEN	1250G6	CLAIREMONT MESA	7	-
48	129248	MH	M15S	88	62844	8	582.56	0	REPLACE	LAKE LUCERNE	1250G6	CLAIREMONT MESA	7	-
49	129262	MH	M15S	103	62860	8	599.37	0	REPLACE	BLUE LAKE	1250G6	CLAIREMONT MESA	7	-
50	129290	MH	M15S	133	62888	6	617.30	0	REPLACE	TWIN LAKE	1250G5	CLAIREMONT MESA	7	-
51	131903	MH	N14S	292	65509	6	665.36	1	REPLACE	LAKE TAHOE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7844 LAKE TAHOE AV
52	131949	MH	N14S	340	65545	6	649.83	0	REPLACE	LAKE DECATUR	1250H5	CLAIREMONT MESA	7	-
53	131953	MH	N14S	344	65549	6	670.39	1	REPLACE	LAKE ADLON	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 7996 LAKE ADLON DR
54	131954	MH	N14S	345	65550	6	675.18	1	REPLACE	LAKE COMO	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6387 LAKE COMO AV
55	131959	MH	N14S	350	65555	9	664.26	0	REPLACE	LAKE ADLON	1250H5	CLAIREMONT MESA	7	-
56	131999	MH	N15S	1	65591	12	628.50	0	REPLACE	COWLES MTN	1250H5	CLAIREMONT MESA	7	-
57	132006	MH	N15S	8	65604	7	661.99	0	REPLACE	LAKE ANDRITA	1250H5	CLAIREMONT MESA	7	-
58	132015	MH	N15S	25	65614	6	619.15	1	REPLACE	TOPAZ LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 7924 TOPAZ LAKE AV
59	132029	MH	N15S	55	65628	8	640.12	1	REPLACE	BLUE LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 8003 BLUE LAKE DR
60	132031	MH	N15S	57	65629	13	618.95	1	REPLACE	PEARL LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 6225 PEARL LAKE AV
61	132062	MH	N15S	88	65670	11	651.97	0	REPLACE	BOULDER LAKE	1250H6	CLAIREMONT MESA	7	-
62	132078	MH	N15S	107	65678	6	678.90	1	REPLACE	BUDLONG LAKE	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6343 BUDLONG LAKE AV
63	132084	MH	N15S	113	65683	6	688.88	2	REPLACE	LAKE BADIN	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6349 LAKE BADIN AV, 6350 LAKE BADIN AV
64	129025	PLUG	M14S	118	62617	8	659.11	2	INST. C/O	FLAG LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7633 FLAG LAKE ST, 7634 FLAG LAKE ST
65	129026	PLUG	M14S	119	62618	6	666.45	1	INST. C/O	FLAG LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7644 FLAG LAKE ST
66	129029	PLUG	M14S	122	62620	7	666.31	1	INST. C/O	FLAG LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7673 FLAG LAKE ST
67	129030	PLUG	M14S	123	62624	7	665.52	2	INST. C/O	FLAG LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7683 FLAG LAKE ST, 7688 FLAG LAKE ST
68	129032	PLUG	M14S	125	62621	6	655.96	2	INST. C/O	TWIN LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 6386 TWIN LAKE DR, 7708 COMPASS LAKE DR
69	129040	PLUG	M14S	136	62634	6	684.49	1	INST. C/O	COMPASS LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7835 COMPASS LAKE DR
70	129041	PLUG	M14S	137	62635	6	685.03	1	INST. C/O	COMPASS LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7830 COMPASS LAKE DR
71	129046	PLUG	M14S	142	62640	7	663.12	3	INST. C/O	LAKE TAHOE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 6431 LAKE TAHOE CT, 6436 LAKE TAHOE CT, 6445 LAKE TAHOE CT

72	129158	PLUG	M14S	257	62629	6	662.50	1	INST. C/O	LAKE ANDRITA	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7740 LAKE ANDRITA AV
73	129159	PLUG	M14S	258	62630	7	661.49	1	INST. C/O	LAKE ANDRITA	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7741 LAKE ANDRITA AV
74	129240	PLUG	M15S	80	62833	8	612.27	1	INST. C/O	LAKE LOMOND	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 6387 LAKE LOMOND DR
75	129247	PLUG	M15S	87	62845	9	588.95	2	INST. C/O	LAKE LUCERNE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 6214 LAKE LUCERNE DR, 6217 LAKE LUCERNE DR
76	129250	PLUG	M15S	90	62842	8	599.95	2	INST. C/O	LAKE LOMOND	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 6213 LAKE LOMOND DR, 6214 LAKE LOMOND DR
77	129253	PLUG	M15S	93	62840	7	607.63	2	INST. C/O	LAKE LEVEN	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 6212 LAKE LEVEN DR, 6215 LAKE LEVEN DR
78	129256	PLUG	M15S	96	62868	5	615.42	2	INST. C/O	CEDAR LAKE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 7723 CEDAR LAKE AV, 7724 CEDAR LAKE AV
79	129263	PLUG	M15S	104	62861	4	601.00	1	INST. C/O	COWLES MTN	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 6206 COWLES MTN BL
80	129271	PLUG	M15S	112	62869	7	621.28	1	INST. C/O	GLORIA LAKE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 7733 GLORIA LAKE AV
81	129272	PLUG	M15S	113	62870	7	821.25	1	INST. C/O	GLORIA LAKE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 7743 GLORIA LAKE AV
82	129284	PLUG	M15S	127	62882	6	643.21	1	INST. C/O	TOPAZ LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7777 TOPAZ LAKE AV
83	129288	PLUG	M15S	131	62885	8	625.28	1	INST. C/O	TWIN LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7678 TOPAZ LAKE AV
84	129295	PLUG	M15S	139	62893	7	613.63	1	INST. C/O	LAKE LEVEN	1250G5	CLAIREMONT MESA	7	
85	129297	PLUG	M15S	141	62890	12	394.65	1	INST. C/O	LAKE REE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 7673 LAKE REE AV
86	129298	PLUG	M15S	142	62609	7	617.30	2	INST. C/O	TOPAZ LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7668 TOPAZ LAKE AV, 7669 TOPAZ LAKE AV
87	131936	PLUG	N14S	326	65542	6	681.36	1	INST. C/O	COWLES MTN	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 6403 COWLES MTN BL
88	131939	PLUG	N14S	329	62639	6	690.47	1	INST. C/O	LAKE ADLON	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7821 LAKE ADLON DR
89	131940	PLUG	N14S	330	65539	7	682.57	2	INST. C/O	CORAL LAKE	1250G5	CLAIREMONT MESA	7	LOCATE LAT'L 7829 LAKE ADLON DR, 7845 LAKE ADLON DR
90	131945	PLUG	N14S	335	65543	6	672.94	1	INST. C/O	LAKE ADLON	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 7910 LAKE ADLON DR
91	131947	PLUG	N14S	338	65547	7	663.44	1	INST. C/O	LAKE ADLON	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 7936 LAKE ADLON DR
92	131952	PLUG	N14S	343	65548	10	664.09	1	INST. C/O	LAKE ADLON	1250H5	CLAIREMONT MESA	7	LOCATE LAT'L 7986 LAKE ADLON DR
93	132008	PLUG	N15S	10	65620	5	655.92	1	INST. C/O	LAKE BADIN	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 6267 LAKE BADIN AV
94	132013	PLUG	N15S	18	65614	5	621.42	1	INST. C/O	TOPAZ LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 7936 TOPAZ LAKE AV
95	132014	PLUG	N15S	19	65615	6	621.38	1	INST. C/O	TOPAZ LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 7942 TOPAZ LAKE AV
96	132016	PLUG	N15S	28	65612	5	619.64	1	INST. C/O	TOPAZ LAKE	1250G6	CLAIREMONT MESA	7	LOCATE LAT'L 7912 TOPAZ LAKE AV
97	132023	PLUG	N15S	49	65622	7	661.91	2	INST. C/O	BLUE LAKE	1250H6	CLAIREMONT MESA	7	LOCATE LAT'L 6212 LAKE BADIN AV, 8087 BLUE LAKE DR
98	132071	PLUG	N15S	98	65669	7	651.10	0	INST. C/O	LAKE ANDRITA	1250H6	CLAIREMONT MESA	7	

APPENDIX K
SEWER LATERAL REHABS

PIPELINE REHABILITATION AD-1
SEWER LATERALS TO BE REHABILITATED

#	Main FSN	Lateral FSN	Street Number	Street Name	St. Suffix	Field Book Index	Council District	Thomas Bros Page
1	62878	0	0				7	
2	65556	0	0				7	
3	65559	0	0				7	
4	65592	0	0				7	
5	62611	0	0				7	
6	65555	0	0				7	
7	65609	0	0				7	
8	65658	0	0				7	
9	65699	0	0				7	
10	65700	0	0				7	
11	65684	0	0				7	
12	65705	0	0				7	
13	65687	0	0				7	
14	62864	0	0				7	
15	62645	197217	7784	LAKE TAHOE	AV	M14S	7	1250G5
16	62645	197230	7770	LAKE TAHOE	AV	M14S	7	1250G5
17	62652	197363	7666	LAKE ADLON	DR	M14S	7	1250G5
18	62652	197396	7650	LAKE ADLON	DR	M14S	7	1250G5
19	62581	197402	6498	LAKE SHORE	DR	M14S	7	1250G5
20	62647	197436	7728	LAKE TAHOE	AV	M14S	7	1250G5
21	62652	197443	6466	GAY LAKE	AV	M14S	7	1250G5
22	62640	197455	6459	LAKE TAHOE	CT	M14S	7	1250G5
23	62649	197458	7682	LAKE ADLON	DR	M14S	7	1250G5
24	62581	197488	6482	LAKE SHORE	DR	M14S	7	1250G5
25	62582	197510	6474	LAKE SHORE	DR	M14S	7	1250G5
26	62581	197510	6474	LAKE SHORE	DR	M14S	7	1250G5
27	62641	197534	7821	LAKE TAHOE	AV	N14S	7	1250G5
28	62641	197556	7834	LAKE TAHOE	AV	N14S	7	1250G5
29	62652	197570	7646	LAKE ADLON	DR	M14S	7	1250G5
30	62647	197586	7723	LAKE TAHOE	AV	M14S	7	1250G5
31	62649	197599	7698	LAKE ADLON	DR	M14S	7	1250G5
32	62581	197607	6491	LAKE SHORE	DR	M14S	7	1250G5
33	62649	197625	7679	LAKE ADLON	DR	M14S	7	1250G5
34	62641	197645	7844	LAKE TAHOE	AV	N14S	7	1250G5
35	65509	197645	7844	LAKE TAHOE	AV	N14S	7	1250G5
36	62582	197655	6466	LAKE SHORE	DR	M14S	7	1250G5
37	62640	197671	6436	LAKE TAHOE	CT	M14S	7	1250G5
38	62581	197676	6475	LAKE SHORE	DR	M14S	7	1250G5
39	62647	197701	7709	LAKE TAHOE	AV	M14S	7	1250G5
40	62649	197729	7695	LAKE ADLON	DR	M14S	7	1250G5
41	65509	197731	7854	LAKE TAHOE	AV	N14S	7	1250H5
42	62582	197748	6458	LAKE SHORE	DR	M14S	7	1250G5
43	62654	197768	6447	LAKE ADLON	CT	M14S	7	1250G5
44	62616	197781	6453	GEM LAKE	AV	M14S	7	1250G5
45	62640	197782	6431	LAKE TAHOE	CT	M14S	7	1250G5
46	65509	197826	7864	LAKE TAHOE	AV	N14S	7	1250H5

47	62650	197835	6454	GAY LAKE	AV	M14S	7	1250G5
48	62616	197850	6450	GEM LAKE	AV	M14S	7	1250G5
49	65509	197889	7874	LAKE TAHOE	AV	N14S	7	1250H5
50	65538	197976	6465	CORAL LAKE	AV	N14S	7	1250H5
51	62650	198007	6447	GAY LAKE	AV	M14S	7	1250G5
52	65538	198029	6460	CORAL LAKE	AV	N14S	7	1250H5
53	62621	198106	6386	TWIN LAKE	DR	M14S	7	1250G5
54	65538	198129	6451	CORAL LAKE	AV	N14S	7	1250H5
55	62619	198146	6430	GAY LAKE	AV	M14S	7	1250G5
56	62621	198155	7708	COMPASS LAKE	DR	M14S	7	1250G5
57	62621	198216	6380	TWIN LAKE	DR	M14S	7	1250G5
58	65538	198305	6427	CORAL LAKE	AV	N14S	7	1250H5
59	65538	198395	6428	CORAL LAKE	AV	N14S	7	1250G5
60	62619	198477	7650	FLAG LAKE	ST	M14S	7	1250G5
61	65538	198490	6423	CORAL LAKE	AV	N14S	7	1250H5
62	62617	198520	7634	FLAG LAKE	ST	M14S	7	1250G5
63	62619	198530	6411	GAY LAKE	AV	M14S	7	1250G5
64	62637	198531	7732	COMPASS LAKE	DR	M14S	7	1250G5
65	62639	198534	7768	LAKE ADLON	DR	M14S	7	1250G5
66	62616	198537	6402	GEM LAKE	AV	M14S	7	1250G5
67	62618	198542	7644	FLAG LAKE	ST	M14S	7	1250G5
68	65538	198568	6412	CORAL LAKE	AV	N14S	7	1250G5
69	65538	198627	6409	CORAL LAKE	AV	N14S	7	1250H5
70	62639	198642	7818	LAKE ADLON	DR	N14S	7	1250G5
71	62637	198652	7729	COMPASS LAKE	DR	M14S	7	1250G5
72	62617	198702	7633	FLAG LAKE	ST	M14S	7	1250G5
73	62617	198706	7623	FLAG LAKE	ST	M14S	7	1250G5
74	62618	198729	7643	FLAG LAKE	ST	M14S	7	1250G5
75	62636	198764	7756	COMPASS LAKE	DR	M14S	7	1250G5
76	62618	198782	7653	FLAG LAKE	ST	M14S	7	1250G5
77	62625	198784	7688	FLAG LAKE	ST	M14S	7	1250G5
78	62639	198818	7813	LAKE ADLON	DR	N14S	7	1250G5
79	62620	198839	7663	FLAG LAKE	ST	M14S	7	1250G5
80	65542	198842	6402	COWLES MTN	BL	N14S	7	1250H5
81	62639	198858	7821	LAKE ADLON	DR	N14S	7	1250G5
82	62620	198878	7673	FLAG LAKE	ST	M14S	7	1250G5
83	62625	198932	7683	FLAG LAKE	ST	M14S	7	1250G5
84	62636	198963	7806	COMPASS LAKE	DR	M14S	7	1250G5
85	62625	198987	7691	FLAG LAKE	ST	M14S	7	1250G5
86	62636	199001	7769	COMPASS LAKE	DR	M14S	7	1250G5
87	65539	199014	7829	LAKE ADLON	DR	N14S	7	1250G5
88	62635	199057	7818	COMPASS LAKE	DR	M14S	7	1250G5
89	65539	199075	7845	LAKE ADLON	DR	N14S	7	1250H5
90	65543	199103	7910	LAKE ADLON	DR	N14S	7	1250H5
91	62635	199117	7830	COMPASS LAKE	DR	M14S	7	1250G5
92	65543	199123	7916	LAKE ADLON	DR	N14S	7	1250H5
93	65543	199135	7926	LAKE ADLON	DR	N14S	7	1250H5
94	65544	199135	7926	LAKE ADLON	DR	N14S	7	1250H5
95	65541	199139	6384	COWLES MTN	BL	N14S	7	1250H5
96	65547	199169	7936	LAKE ADLON	DR	N14S	7	1250H5
97	65547	199185	7946	LAKE ADLON	DR	N14S	7	1250H5

98	65546	199200	7956	LAKE ADLON	DR	N14S	7	1250H5
99	65548	199200	7956	LAKE ADLON	DR	N14S	7	1250H5
100	65547	199200	7956	LAKE ADLON	DR	N14S	7	1250H5
101	65548	199229	7976	LAKE ADLON	DR	N14S	7	1250H5
102	65548	199237	7986	LAKE ADLON	DR	N14S	7	1250H5
103	65539	199256	6371	CORAL LAKE	AV	N14S	7	1250H5
104	65549	199258	7996	LAKE ADLON	DR	N14S	7	1250H5
105	65549	199267	8002	LAKE ADLON	DR	N14S	7	1250H5
106	65549	199280	8012	LAKE ADLON	DR	N14S	7	1250H5
107	65549	199291	8022	LAKE ADLON	DR	N14S	7	1250H5
108	65541	199302	6374	COWLES MTN	BL	N14S	7	1250H5
109	62629	199343	7714	LAKE ANDRITA	AV	M14S	7	1250G5
110	62634	199348	7854	COMPASS LAKE	DR	M14S	7	1250G5
111	65541	199352	6375	COWLES MTN	BL	N14S	7	1250H5
112	62634	199370	7835	COMPASS LAKE	DR	M14S	7	1250G5
113	65546	199409	6393	LAKE DORA	AV	N14S	7	1250H5
114	65540	199444	6359	CORAL LAKE	AV	N14S	7	1250H5
115	62629	199454	7720	LAKE ANDRITA	AV	M14S	7	1250G5
116	65541	199457	6366	COWLES MTN	BL	N14S	7	1250H5
117	62634	199480	7847	COMPASS LAKE	DR	M14S	7	1250G5
118	65541	199484	6367	COWLES MTN	BL	N14S	7	1250H5
119	65544	199516	6387	LAKE DECATUR	AV	N14S	7	1250H5
120	65546	199542	6382	LAKE DORA	AV	N14S	7	1250H5
121	65546	199563	6383	LAKE DORA	AV	N14S	7	1250H5
122	65557	199583	6392	BUDLONG LAKE	AV	N14S	7	1250H5
123	65540	199621	6347	CORAL LAKE	AV	N14S	7	1250G5
124	62629	199634	7740	LAKE ANDRITA	AV	M14S	7	1250G5
125	65541	199645	6359	COWLES MTN	BL	N14S	7	1250H5
126	65545	199678	6376	LAKE DECATUR	AV	N14S	7	1250H5
127	65545	199680	6377	LAKE DECATUR	AV	N14S	7	1250H5
128	65558	199690	6393	BALSAM LAKE	AV	N14S	7	1250H5
129	62633	199703	7871	COMPASS LAKE	DR	N14S	7	1250G5
130	65550	199709	6386	LAKE COMO	AV	N14S	7	1250H5
131	5042260	199727	6372	LAKE DORA	AV	N14S	7	1250H5
132	65553	199741	6387	LAKE BADIN	AV	N14S	7	1250H5
133	65455	199743	8318	LAKE ADLON	DR	N14S	7	1250J5
134	65551	199783	6389	LAKE KATHLEEN	AV	N14S	7	1250H5
135	65541	199788	6351	COWLES MTN	BL	N14S	7	1250H5
136	65593	199793	6350	COWLES MTN	BL	N14S	7	1250H5
137	65554	199809	6393	BADGER LAKE	AV	N14S	7	1250H5
138	65545	199822	6364	LAKE DECATUR	AV	N14S	7	1250H5
139	65553	199830	6382	LAKE BADIN	AV	N14S	7	1250H5
140	62630	199860	7741	LAKE ANDRITA	AV	M14S	7	1250G5
141	62630	199871	7756	LAKE ANDRITA	AV	M14S	7	1250G5
142	65553	199885	6381	LAKE BADIN	AV	N14S	7	1250H5
143	65455	199887	8319	LAKE ADLON	DR	N14S	7	1250J5
144	65550	199897	6377	LAKE COMO	AV	N14S	7	1250H5
145	65593	199928	6343	COWLES MTN	BL	N14S	7	1250H5
146	65551	199936	6381	LAKE KATHLEEN	AV	N14S	7	1250H5
147	65454	199947	6392	BOULDER LAKE	AV	N14S	7	1250J5
148	65774	199948	6387	BADGER LAKE	AV	N14S	7	1250H5

149	62606	199952	7552	TOPAZ LAKE	AV	M14S	7	1250G5
150	65557	199963	6379	BUDLONG LAKE	AV	N14S	7	1250H5
151	65545	199964	6354	LAKE DECATUR	AV	N14S	7	1250H5
152	65558	199965	6380	BALSAM LAKE	AV	N14S	7	1250H5
153	62630	199973	7818	LAKE ANDRITA	AV	M14S	7	1250G5
154	65456	200013	8358	LAKE ADLON	DR	N14S	7	1250J5
155	65688	200013	8358	LAKE ADLON	DR	N14S	7	1250J5
156	62631	200066	7832	LAKE ANDRITA	AV	M14S	7	1250G5
157	65551	200068	6373	LAKE KATHLEEN	AV	N14S	7	1250H5
158	65679	200069	6373	BUDLONG LAKE	AV	N14S	7	1250H5
159	65773	200076	6375	LAKE BADIN	AV	N14S	7	1250H5
160	62630	200079	7811	LAKE ANDRITA	AV	M14S	7	1250G5
161	65545	200086	6347	LAKE DECATUR	AV	N14S	7	1250H5
162	65545	200088	6344	LAKE DECATUR	AV	N14S	7	1250H5
163	65454	200091	6386	BOULDER LAKE	AV	N14S	7	1250J5
164	65550	200093	6360	LAKE COMO	AV	N14S	7	1250H5
165	65601	200093	6360	LAKE COMO	AV	N14S	7	1250H5
166	65456	200100	8355	LAKE ADLON	DR	N14S	7	1250J5
167	62608	200104	7628	TOPAZ LAKE	AV	M14S	7	1250G5
168	65774	200118	6381	BADGER LAKE	AV	N14S	7	1250H5
169	62608	200136	7638	TOPAZ LAKE	AV	M14S	7	1250G5
170	62606	200154	6381	LAKE LUCERNE	DR	M14S	7	1250G5
171	65774	200157	6374	BADGER LAKE	AV	N14S	7	1250H5
172	65550	200160	6361	LAKE COMO	AV	N14S	7	1250H5
173	62606	200166	6378	LAKE LUCERNE	DR	M14S	7	1250G5
174	65456	200171	8365	LAKE ADLON	DR	N14S	7	1250J5
175	65688	200171	8365	LAKE ADLON	DR	N14S	7	1250J5
176	62609	200180	7648	TOPAZ LAKE	AV	M14S	7	1250G5
177	62607	200182	6394	LAKE LOMOND	DR	M14S	7	1250G5
178	65558	200185	6372	BALSAM LAKE	AV	N14S	7	1250H5
179	65602	200186	6365	LAKE KATHLEEN	AV	N14S	7	1250H5
180	65679	200198	6369	BUDLONG LAKE	AV	N14S	7	1250H5
181	65774	200206	6373	BADGER LAKE	AV	N14S	7	1250H5
182	65593	200209	6327	COWLES MTN	BL	N14S	7	1250H5
183	65593	200215	6326	COWLES MTN	BL	N14S	7	1250G5
184	65774	200216	6366	BADGER LAKE	AV	N14S	7	1250H5
185	65773	200223	6369	LAKE BADIN	AV	N14S	7	1250H5
186	65688	200233	8384	LAKE ADLON	DR	N14S	7	1250J5
187	62608	200247	6397	LAKE LOMOND	DR	M14S	7	1250G5
188	62609	200252	7658	TOPAZ LAKE	AV	M14S	7	1250G5
189	65602	200262	6360	LAKE KATHLEEN	AV	N14S	7	1250H5
190	62631	200281	7839	LAKE ANDRITA	AV	M14S	7	1250G5
191	62631	200282	0			M14S	7	1250G5
192	5042260	200287	6334	LAKE DORA	AV	N15S	7	1250H5
193	62609	200298	7668	TOPAZ LAKE	AV	M14S	7	1250G5
194	62832	200316	6372	LAKE LUCERNE	DR	M14S	7	1250G5
195	65602	200341	6350	LAKE KATHLEEN	AV	N15S	7	1250H5
196	65454	200360	8305	LAKE ARTEMUS	AV	N15S	7	1250J5
197	62609	200365	6395	LAKE LEVEN	DR	M15S	7	1250G5
198	62833	200385	6387	LAKE LOMOND	DR	M15S	7	1250G5
199	62833	200399	6384	LAKE LOMOND	DR	M15S	7	1250G5

200	65675	200421	6356	BALSAM LAKE	AV	N15S	7	1250H5
201	65685	200444	8315	LAKE ARTEMUS	AV	N15S	7	1250J5
202	65774	200447	6350	BADGER LAKE	AV	N15S	7	1250H5
203	65595	200450	6317	LAKE DECATUR	AV	N15S	7	1250H5
204	65602	200456	6342	LAKE KATHLEEN	AV	N15S	7	1250H5
205	65774	200459	6357	BADGER LAKE	AV	N15S	7	1250H5
206	62832	200463	6366	LAKE LUCERNE	DR	M15S	7	1250G5
207	65685	200467	8348	LAKE ARTEMUS	AV	N15S	7	1250J5
208	65601	200469	6337	LAKE COMO	AV	N15S	7	1250H5
209	65591	200484	7881	LAKE ANDRITA	AV	N15S	7	1250G5
210	65685	200487	8325	LAKE ARTEMUS	AV	N15S	7	1250J5
211	62893	200491	6390	LAKE LEVEN	DR	M15S	7	1250G5
212	65685	200499	8360	LAKE ARTEMUS	AV	N15S	7	1250J5
213	62833	200500	6377	LAKE LOMOND	DR	M15S	7	1250G5
214	65602	200519	6341	LAKE KATHLEEN	AV	N15S	7	1250H5
215	62832	200522	6360	LAKE LUCERNE	DR	M15S	7	1250G5
216	65594	200537	7912	LAKE ANDRITA	AV	N15S	7	1250H5
217	65601	200540	6328	LAKE COMO	AV	N15S	7	1250H5
218	65675	200545	6355	BALSAM LAKE	AV	N15S	7	1250H5
219	65683	200552	6350	LAKE BADIN	AV	N15S	7	1250H5
220	65595	200569	6307	LAKE DECATUR	AV	N15S	7	1250H5
221	62893	200570	6385	LAKE LEVEN	DR	M15S	7	1250G5
222	65601	200576	6329	LAKE COMO	AV	N15S	7	1250H5
223	65683	200578	6349	LAKE BADIN	AV	N15S	7	1250H5
224	65602	200579	6334	LAKE KATHLEEN	AV	N15S	7	1250H5
225	65679	200584	6349	BUDLONG LAKE	AV	N15S	7	1250H5
226	65679	200587	6346	BUDLONG LAKE	AV	N15S	7	1250H5
227	65683	200596	6344	LAKE BADIN	AV	N15S	7	1250H5
228	65594	200602	7920	LAKE ANDRITA	AV	N15S	7	1250H5
229	65686	200606	8372	LAKE ARTEMUS	AV	N15S	7	1250J5
230	65680	200611	6351	BADGER LAKE	AV	N15S	7	1250H5
231	65597	200626	6311	LAKE DORA	AV	N15S	7	1250H5
232	65602	200631	6333	LAKE KATHLEEN	AV	N15S	7	1250H5
233	65594	200645	7901	LAKE ANDRITA	AV	N15S	7	1250H5
234	65686	200648	8382	LAKE ARTEMUS	AV	N15S	7	1250J5
235	65673	200672	6356	BOULDER LAKE	AV	N15S	7	1250J5
236	65602	200684	6326	LAKE KATHLEEN	AV	N15S	7	1250H5
237	62886	200696	6285	TWIN LAKE	DR	M15S	7	1250G5
238	65594	200698	7911	LAKE ANDRITA	AV	N15S	7	1250H5
239	65675	200712	6344	BALSAM LAKE	AV	N15S	7	1250H5
240	65680	200716	6345	BADGER LAKE	AV	N15S	7	1250H5
241	65602	200731	6325	LAKE KATHLEEN	AV	N15S	7	1250H5
242	62832	200733	6354	LAKE LUCERNE	DR	M15S	7	1250G5
243	65594	200734	7919	LAKE ANDRITA	AV	N15S	7	1250H5
244	65597	200736	6303	LAKE DORA	AV	N15S	7	1250H5
245	65675	200749	6349	BALSAM LAKE	AV	N15S	7	1250H5
246	62892	200752	6375	LAKE LEVEN	DR	M15S	7	1250G5
247	65678	200754	6343	BUDLONG LAKE	AV	N15S	7	1250H5
248	62887	200769	6278	TWIN LAKE	DR	M15S	7	1250G5
249	65595	200788	7927	LAKE ANDRITA	AV	N15S	7	1250H5
250	65594	200788	7927	LAKE ANDRITA	AV	N15S	7	1250H5

251	65596	200788	7927	LAKE ANDRITA	AV	N15S	7	1250H5
252	65680	200803	6339	BADGER LAKE	AV	N15S	7	1250H5
253	62834	200804	6357	LAKE LOMOND	DR	M15S	7	1250G5
254	65675	200834	6341	BALSAM LAKE	AV	N15S	7	1250H5
255	62832	200864	6351	LAKE LUCERNE	DR	M15S	7	1250G5
256	62832	200871	6348	LAKE LUCERNE	DR	M15S	7	1250G5
257	62882	200872	7752	TOPAZ LAKE	AV	M15S	7	1250G5
258	65683	200873	6331	LAKE BADIN	AV	N15S	7	1250H5
259	65683	200904	6326	LAKE BADIN	AV	N15S	7	1250H5
260	65678	200932	6334	BUDLONG LAKE	AV	N15S	7	1250H5
261	62882	200945	7762	TOPAZ LAKE	AV	M15S	7	1250G5
262	62834	200949	6347	LAKE LOMOND	DR	M15S	7	1250G5
263	65675	200962	6333	BALSAM LAKE	AV	N15S	7	1250H5
264	62831	200981	6342	LAKE LUCERNE	DR	M15S	7	1250G5
265	65683	201007	6325	LAKE BADIN	AV	N15S	7	1250H5
266	65678	201011	6331	BUDLONG LAKE	AV	N15S	7	1250H5
267	62882	201024	7772	TOPAZ LAKE	AV	M15S	7	1250G5
268	65678	201032	6328	BUDLONG LAKE	AV	N15S	7	1250H5
269	65682	201040	6320	LAKE BADIN	AV	N15S	7	1250H5
270	62892	201053	6352	LAKE LEVEN	DR	M15S	7	1250G5
271	62887	201077	6270	TWIN LAKE	DR	M15S	7	1250G5
272	65673	201092	6343	BOULDER LAKE	AV	N15S	7	1250J5
273	62829	201110	0			M15S	7	1250G5
274	62834	201115	6337	LAKE LOMOND	DR	M15S	7	1250G5
275	62834	201153	6334	LAKE LOMOND	DR	M15S	7	1250G5
276	65682	201162	6317	LAKE BADIN	AV	N15S	7	1250H5
277	62881	201170	7782	TOPAZ LAKE	AV	M15S	7	1250G5
278	65678	201180	6325	BUDLONG LAKE	AV	N15S	7	1250H5
279	62829	201185	6335	LAKE LUCERNE	DR	M15S	7	1250G5
280	65682	201192	6314	LAKE BADIN	AV	N15S	7	1250H5
281	65701	201208	8378	LAKE ASHWOOD	AV	N15S	7	1250J5
282	62881	201215	7804	TOPAZ LAKE	AV	M15S	7	1250G5
283	65701	201218	8353	LAKE ASHWOOD	AV	N15S	7	1250J5
284	62892	201234	6342	LAKE LEVEN	DR	M15S	7	1250G5
285	62891	201234	6342	LAKE LEVEN	DR	M15S	7	1250G5
286	65672	201235	6338	BOULDER LAKE	AV	N15S	7	1250H5
287	65681	201236	6312	BADGER LAKE	AV	N15S	7	1250H5
288	65599	201237	8001	LAKE ANDRITA	AV	N15S	7	1250H5
289	65598	201237	8001	LAKE ANDRITA	AV	N15S	7	1250H5
290	65678	201244	6322	BUDLONG LAKE	AV	N15S	7	1250H5
291	65672	201247	6332	BOULDER LAKE	AV	N15S	7	1250H5
292	65680	201250	6319	BADGER LAKE	AV	N15S	7	1250H5
293	65681	201250	6319	BADGER LAKE	AV	N15S	7	1250H5
294	62882	201257	7777	TOPAZ LAKE	AV	M15S	7	1250G5
295	62834	201266	6327	LAKE LOMOND	DR	M15S	7	1250G5
296	65701	201272	8390	LAKE ASHWOOD	AV	N15S	7	1250J5
297	65672	201282	6337	BOULDER LAKE	AV	N15S	7	1250J5
298	65599	201295	8015	LAKE ANDRITA	AV	N15S	7	1250H5
299	65678	201298	6315	BUDLONG LAKE	AV	N15S	7	1250H5
300	62881	201303	7816	TOPAZ LAKE	AV	M15S	7	1250G5
301	65701	201324	8377	LAKE ASHWOOD	AV	N15S	7	1250J5

302	62881	201335	7787	TOPAZ LAKE	AV	M15S	7	I250G5
303	65599	201351	8027	LAKE ANDRITA	AV	N15S	7	I250H5
304	65682	201360	6306	LAKE BADIN	AV	N15S	7	I250H5
305	62887	201368	6266	TWIN LAKE	DR	M15S	7	I250G5
306	62881	201380	7828	TOPAZ LAKE	AV	M15S	7	I250G5
307	65672	201390	6331	BOULDER LAKE	AV	N15S	7	I250J5
308	65677	201400	6316	BUDLONG LAKE	AV	N15S	7	I250H5
309	62891	201409	6332	LAKE LEVEN	DR	M15S	7	I250G5
310	65672	201418	6326	BOULDER LAKE	AV	N15S	7	I250H5
311	62881	201427	7811	TOPAZ LAKE	AV	M15S	7	I250G5
312	62834	201453	6319	LAKE LOMOND	DR	M15S	7	I250G5
313	62828	201478	6320	LAKE LUCERNE	DR	M15S	7	I250G6
314	65672	201500	6325	BOULDER LAKE	AV	N15S	7	I250J5
315	65604	201531	8063	LAKE ANDRITA	AV	N15S	7	I250H5
316	62881	201539	7852	TOPAZ LAKE	AV	M15S	7	I250G5
317	62888	201547	6262	TWIN LAKE	DR	M15S	7	I250G5
318	62891	201561	6325	LAKE LEVEN	DR	M15S	7	I250G6
319	65665	201569	8104	LAKE ANDRITA	AV	N15S	7	I250H5
320	65677	201570	6304	BUDLONG LAKE	AV	N15S	7	I250H5
321	65665	201603	8118	LAKE ANDRITA	AV	N15S	7	I250H5
322	62879	201607	7864	TOPAZ LAKE	AV	M15S	7	I250G5
323	65672	201610	6319	BOULDER LAKE	AV	N15S	7	I250J5
324	62828	201613	6312	LAKE LUCERNE	DR	M15S	7	I250G6
325	62835	201633	6311	LAKE LOMOND	DR	M15S	7	I250G6
326	62888	201642	6269	TWIN LAKE	DR	M15S	7	I250G6
327	65665	201651	8128	LAKE ANDRITA	AV	N15S	7	I250H5
328	65604	201659	8087	LAKE ANDRITA	AV	N15S	7	I250H5
329	65672	201664	6314	BOULDER LAKE	AV	N15S	7	I250H5
330	62879	201674	7876	TOPAZ LAKE	AV	M15S	7	I250G5
331	65703	201698	6396	LAKE ALTURAS	AV	N15S	7	I250J5
332	65703	201716	6387	LAKE ALTURAS	AV	N15S	7	I250J5
333	62879	201736	7888	TOPAZ LAKE	AV	M15S	7	I250G5
334	62891	201750	6315	LAKE LEVEN	DR	M15S	7	I250G6
335	65672	201762	6313	BOULDER LAKE	AV	N15S	7	I250J5
336	62828	201778	6304	LAKE LUCERNE	DR	M15S	7	I250G6
337	65665	201790	8109	LAKE ANDRITA	AV	N15S	7	I250H5
338	62891	201800	6312	LAKE LEVEN	DR	M15S	7	I250G6
339	62835	201806	7608	LAKE REE	AV	M15S	7	I250G6
340	65672	201808	6308	BOULDER LAKE	AV	N15S	7	I250H5
341	62879	201827	7863	TOPAZ LAKE	AV	M15S	7	I250G6
342	65665	201830	8117	LAKE ANDRITA	AV	N15S	7	I250H6
343	65703	201835	6386	LAKE ALTURAS	AV	N15S	7	I250J5
344	65665	201854	8127	LAKE ANDRITA	AV	N15S	7	I250H6
345	62879	201856	7877	TOPAZ LAKE	AV	M15S	7	I250G6
346	65666	201875	8139	LAKE ANDRITA	AV	N15S	7	I250H6
347	65666	201898	8151	LAKE ANDRITA	AV	N15S	7	I250H6
348	65703	201908	6369	LAKE ALTURAS	AV	N15S	7	I250J5
349	65612	201909	7912	TOPAZ LAKE	AV	N15S	7	I250G6
350	65672	201914	6307	BOULDER LAKE	AV	N15S	7	I250H5
351	65666	201926	8165	LAKE ANDRITA	AV	N15S	7	I250H6
352	65666	201937	8179	LAKE ANDRITA	AV	N15S	7	I250H6

353	65703	201953	6376	LAKE ALTURAS	AV	N15S	7	1250J6
354	65666	201955	8195	LAKE ANDRITA	AV	N15S	7	1250H6
355	65612	201972	7918	TOPAZ LAKE	AV	N15S	7	1250H6
356	65667	201978	8207	LAKE ANDRITA	AV	N15S	7	1250H6
357	62827	201982	7578	LAKE REE	AV	M15S	7	1250G6
358	65667	201989	8227	LAKE ANDRITA	AV	N15S	7	1250H6
359	65672	201995	6301	BOULDER LAKE	AV	N15S	7	1250H6
360	65667	202009	8241	LAKE ANDRITA	AV	N15S	7	1250H6
361	65612	202014	7924	TOPAZ LAKE	AV	N15S	7	1250H6
362	62877	202022	6287	COWLES MTN	BL	N15S	7	1250G6
363	62836	202035	7620	LAKE REE	AV	M15S	7	1250G6
364	65667	202039	8253	LAKE ANDRITA	AV	N15S	7	1250H6
365	62825	202060	6286	LAKE LUCERNE	DR	M15S	7	1250G6
366	62890	202103	7672	LAKE REE	AV	M15S	7	1250G6
367	65670	202108	6297	BOULDER LAKE	AV	N15S	7	1250H6
368	62827	202129	7567	LAKE REE	AV	M15S	7	1250G6
369	62877	202132	6281	COWLES MTN	BL	M15S	7	1250G6
370	62876	202142	7850	COWLES MTN	PL	M15S	7	1250G6
371	65671	202145	6370	LAKE ALAMOR	AV	N15S	7	1250J6
372	65615	202160	7942	TOPAZ LAKE	AV	N15S	7	1250H6
373	62836	202176	7609	LAKE REE	AV	M15S	7	1250G6
374	65613	202190	6288	SPRUCE LAKE	AV	N15S	7	1250G6
375	65670	202199	8297	LAKE ANDRITA	AV	N15S	7	1250H6
376	62825	202235	6278	LAKE LUCERNE	DR	M15S	7	1250G6
377	65613	202243	6291	SPRUCE LAKE	AV	N15S	7	1250H6
378	65671	202261	6331	LAKE ALAMOR	AV	N15S	7	1250J6
379	62875	202273	6275	COWLES MTN	BL	M15S	7	1250G6
380	62877	202273	6275	COWLES MTN	BL	M15S	7	1250G6
381	62876	202273	6275	COWLES MTN	BL	M15S	7	1250G6
382	62890	202294	7673	LAKE REE	AV	M15S	7	1250G6
383	65617	202300	7966	TOPAZ LAKE	AV	N15S	7	1250H6
384	62837	202328	7661	LAKE REE	AV	M15S	7	1250G6
385	65671	202331	6350	LAKE ALAMOR	AV	N15S	7	1250J6
386	62876	202335	7863	COWLES MTN	PL	M15S	7	1250G6
387	65671	202351	6311	LAKE ALAMOR	AV	N15S	7	1250J6
388	65617	202353	7976	TOPAZ LAKE	AV	N15S	7	1250H6
389	62876	202357	7877	COWLES MTN	PL	M15S	7	1250G6
390	62838	202362	6284	LAKE LOMOND	DR	M15S	7	1250G6
391	65613	202364	6280	SPRUCE LAKE	AV	N15S	7	1250G6
392	65670	202395	6385	JACKSON	DR	N15S	7	1250H6
393	65671	202418	6330	LAKE ALAMOR	AV	N15S	7	1250J6
394	62844	202419	6270	LAKE LUCERNE	DR	M15S	7	1250G6
395	65616	202420	6281	PEARL LAKE	AV	N15S	7	1250H6
396	62875	202438	6269	COWLES MTN	BL	M15S	7	1250G6
397	65618	202462	7996	TOPAZ LAKE	AV	N15S	7	1250H6
398	62839	202467	6275	LAKE LEVEN	DR	M15S	7	1250G6
399	65671	202499	6310	LAKE ALAMOR	AV	N15S	7	1250J6
400	65618	202522	8002	TOPAZ LAKE	AV	N15S	7	1250H6
401	62843	202525	6273	LAKE LOMOND	DR	M15S	7	1250G6
402	62843	202539	6274	LAKE LOMOND	DR	M15S	7	1250G6
403	65613	202546	6272	SPRUCE LAKE	AV	N15S	7	1250G6

404	62844	202554	6262	LAKE LUCERNE	DR	M15S	7	1250G6
405	65616	202568	6273	PEARL LAKE	AV	N15S	7	1250H6
406	65618	202569	8018	TOPAZ LAKE	AV	N15S	7	1250H6
407	65613	202570	6275	SPRUCE LAKE	AV	N15S	7	1250H6
408	62875	202602	6263	COWLES MTN	BL	M15S	7	1250G6
409	65616	202638	6264	PEARL LAKE	AV	N15S	7	1250H6
410	62843	202689	6263	LAKE LOMOND	DR	M15S	7	1250G6
411	65616	202691	6265	PEARL LAKE	AV	N15S	7	1250H6
412	65620	202703	6267	LAKE BADIN	AV	N15S	7	1250H6
413	62873	202710	7854	GLORIA LAKE	AV	M15S	7	1250G6
414	62873	202712	7864	GLORIA LAKE	AV	M15S	7	1250G6
415	62873	202713	7874	GLORIA LAKE	AV	M15S	7	1250G6
416	62873	202717	7884	GLORIA LAKE	AV	M15S	7	1250G6
417	65626	202718	6262	CRYSTAL LAKE	AV	N15S	7	1250H6
418	62844	202722	6254	LAKE LUCERNE	DR	M15S	7	1250G6
419	62873	202747	6257	COWLES MTN	BL	M15S	7	1250G6
420	62874	202747	6257	COWLES MTN	BL	M15S	7	1250G6
421	65616	202748	6258	PEARL LAKE	AV	N15S	7	1250H6
422	65616	202787	6257	PEARL LAKE	AV	N15S	7	1250H6
423	65625	202788	6272	MERCED LAKE	AV	N15S	7	1250H6
424	65619	202801	8094	TOPAZ LAKE	AV	N15S	7	1250H6
425	62844	202830	6249	LAKE LUCERNE	DR	M15S	7	1250G6
426	65625	202845	6271	MERCED LAKE	AV	N15S	7	1250H6
427	65626	202852	6254	CRYSTAL LAKE	AV	N15S	7	1250H6
428	62869	202862	7723	GLORIA LAKE	AV	M15S	7	1250G6
429	62869	202865	7713	GLORIA LAKE	AV	M15S	7	1250G6
430	65616	202867	6250	PEARL LAKE	AV	N15S	7	1250H6
431	62869	202868	7733	GLORIA LAKE	AV	M15S	7	1250G6
432	62870	202876	7743	GLORIA LAKE	AV	M15S	7	1250G6
433	62870	202882	7763	GLORIA LAKE	AV	M15S	7	1250G6
434	62871	202886	7783	GLORIA LAKE	AV	M15S	7	1250G6
435	62871	202887	7811	GLORIA LAKE	AV	M15S	7	1250G6
436	65619	202889	6257	LAKE BADIN	AV	N15S	7	1250H6
437	65620	202889	6257	LAKE BADIN	AV	N15S	7	1250H6
438	65621	202889	6257	LAKE BADIN	AV	N15S	7	1250H6
439	62871	202894	7821	GLORIA LAKE	AV	M15S	7	1250G6
440	62871	202895	7831	GLORIA LAKE	AV	M15S	7	1250G6
441	62843	202897	6253	LAKE LOMOND	DR	M15S	7	1250G6
442	62871	202898	7841	GLORIA LAKE	AV	M15S	7	1250G6
443	62873	202907	7871	GLORIA LAKE	AV	M15S	7	1250G6
444	62873	202908	7881	GLORIA LAKE	AV	M15S	7	1250G6
445	62839	202916	6252	LAKE LEVEN	DR	M15S	7	1250G6
446	65626	202920	6253	CRYSTAL LAKE	AV	N15S	7	1250H6
447	65630	202938	6249	PEARL LAKE	AV	N15S	7	1250H6
448	65616	202938	6249	PEARL LAKE	AV	N15S	7	1250H6
449	65621	202983	6247	LAKE BADIN	AV	N15S	7	1250H6
450	62844	202996	6241	LAKE LUCERNE	DR	M15S	7	1250G6
451	62839	203014	6245	LAKE LEVEN	DR	M15S	7	1250G6
452	65625	203019	6257	MERCED LAKE	AV	N15S	7	1250H6
453	65621	203027	6248	LAKE BADIN	AV	N15S	7	1250H6
454	65637	203037	6272	EMERALD LAKE	AV	N15S	7	1250H6

455	65637	203041	6259	EMERALD LAKE	AV	N15S	7	1250H6
456	65637	203050	6262	EMERALD LAKE	AV	N15S	7	1250H6
457	65626	203067	6245	CRYSTAL LAKE	AV	N15S	7	1250H6
458	65638	203073	6264	ROSE LAKE	AV	N15S	7	1250H6
459	62843	203078	6244	LAKE LOMOND	DR	M15S	7	1250G6
460	62853	203095	7712	CEDAR LAKE	AV	M15S	7	1250G6
461	65632	203108	6240	SPRUCE LAKE	AV	N15S	7	1250G6
462	65661	203117	6264	BOULDER LAKE	AV	N15S	7	1250H6
463	65627	203150	6238	CRYSTAL LAKE	AV	N15S	7	1250H6
464	65638	203155	6255	ROSE LAKE	AV	N15S	7	1250H6
465	65630	203164	6234	PEARL LAKE	AV	N15S	7	1250H6
466	62843	203173	6234	LAKE LOMOND	DR	M15S	7	1250G6
467	62845	203195	6233	LAKE LUCERNE	DR	M15S	7	1250G6
468	65625	203198	6245	MERCED LAKE	AV	N15S	7	1250H6
469	65637	203202	6247	EMERALD LAKE	AV	N15S	7	1250H6
470	62853	203207	6222	TWIN LAKE	DR	M15S	7	1250G6
471	65648	203210	6266	RUBY LAKE	AV	N15S	7	1250H6
472	65648	203211	6267	RUBY LAKE	AV	N15S	7	1250H6
473	65621	203212	6239	LAKE BADIN	AV	N15S	7	1250H6
474	65648	203217	6256	RUBY LAKE	AV	N15S	7	1250H6
475	62842	203231	6233	LAKE LOMOND	DR	M15S	7	1250G6
476	65637	203232	6242	EMERALD LAKE	AV	N15S	7	1250H6
477	65648	203234	6257	RUBY LAKE	AV	N15S	7	1250H6
478	62845	203244	6230	LAKE LUCERNE	DR	M15S	7	1250G6
479	65649	203269	6258	BOULDER LAKE	AV	N15S	7	1250H6
480	65627	203273	6230	CRYSTAL LAKE	AV	N15S	7	1250H6
481	65621	203280	6233	LAKE BADIN	AV	N15S	7	1250H6
482	62868	203281	7724	CEDAR LAKE	AV	M15S	7	1250G6
483	65621	203282	6236	LAKE BADIN	AV	N15S	7	1250H6
484	65630	203285	6226	PEARL LAKE	AV	N15S	7	1250H6
485	62867	203288	7760	CEDAR LAKE	AV	M15S	7	1250G6
486	62866	203292	7802	CEDAR LAKE	AV	M15S	7	1250G6
487	62866	203295	7812	CEDAR LAKE	AV	M15S	7	1250G6
488	62866	203297	7822	CEDAR LAKE	AV	M15S	7	1250G6
489	62866	203299	7832	CEDAR LAKE	AV	M15S	7	1250G6
490	62866	203300	7842	CEDAR LAKE	AV	M15S	7	1250G6
491	62865	203302	7852	CEDAR LAKE	AV	M15S	7	1250G6
492	62865	203305	7862	CEDAR LAKE	AV	M15S	7	1250G6
493	62865	203310	7872	CEDAR LAKE	AV	M15S	7	1250G6
494	62865	203316	7882	CEDAR LAKE	AV	M15S	7	1250G6
495	65637	203323	6235	EMERALD LAKE	AV	N15S	7	1250H6
496	65627	203331	6229	CRYSTAL LAKE	AV	N15S	7	1250H6
497	65629	203332	6225	PEARL LAKE	AV	N15S	7	1250H6
498	65630	203332	6225	PEARL LAKE	AV	N15S	7	1250H6
499	62840	203334	6225	LAKE LEVEN	DR	M15S	7	1250G6
500	62842	203337	6223	LAKE LOMOND	DR	M15S	7	1250G6
501	65648	203340	6247	RUBY LAKE	AV	N15S	7	1250H6
502	65624	203347	6232	MERCED LAKE	AV	N15S	7	1250H6
503	62845	203350	6225	LAKE LUCERNE	DR	M15S	7	1250G6
504	65637	203361	6232	EMERALD LAKE	AV	N15S	7	1250H6
505	62842	203364	6224	LAKE LOMOND	DR	M15S	7	1250G6

506	65638	203369	6234	ROSE LAKE	AV	N15S	7	1250H6
507	62840	203374	6222	LAKE LEVEN	DR	M15S	7	1250G6
508	65638	203383	6235	ROSE LAKE	AV	N15S	7	1250H6
509	62845	203388	6222	LAKE LUCERNE	DR	M15S	7	1250G6
510	65629	203395	6218	PEARL LAKE	AV	N15S	7	1250H6
511	62868	203437	7723	CEDAR LAKE	AV	M15S	7	1250G6
512	62867	203441	7735	CEDAR LAKE	AV	M15S	7	1250G6
513	62867	203450	7773	CEDAR LAKE	AV	M15S	7	1250G6
514	65627	203452	6221	CRYSTAL LAKE	AV	N15S	7	1250H6
515	65629	203453	6217	PEARL LAKE	AV	N15S	7	1250H6
516	62863	203460	6228	COWLES MTN	BL	M15S	7	1250G6
517	65637	203461	6221	EMERALD LAKE	AV	N15S	7	1250H6
518	62866	203470	7835	CEDAR LAKE	AV	M15S	7	1250G6
519	62865	203473	7845	CEDAR LAKE	AV	M15S	7	1250G6
520	62866	203473	7845	CEDAR LAKE	AV	M15S	7	1250G6
521	62865	203478	7855	CEDAR LAKE	AV	M15S	7	1250G6
522	62840	203488	6215	LAKE LEVEN	DR	M15S	7	1250G6
523	65636	203493	6222	EMERALD LAKE	AV	N15S	7	1250H6
524	65638	203500	6224	ROSE LAKE	AV	N15S	7	1250H6
525	65639	203500	6224	ROSE LAKE	AV	N15S	7	1250H6
526	65624	203501	6222	MERCED LAKE	AV	N15S	7	1250H6
527	62845	203503	6217	LAKE LUCERNE	DR	M15S	7	1250G6
528	65638	203510	6223	ROSE LAKE	AV	N15S	7	1250H6
529	62842	203517	6213	LAKE LOMOND	DR	M15S	7	1250G6
530	62842	203518	6214	LAKE LOMOND	DR	M15S	7	1250G6
531	62854	203521	6214	TWIN LAKE	DR	M15S	7	1250G6
532	65629	203529	6210	PEARL LAKE	AV	N15S	7	1250H6
533	62845	203542	6214	LAKE LUCERNE	DR	M15S	7	1250G6
534	62863	203543	6222	COWLES MTN	BL	M15S	7	1250G6
535	65648	203550	6226	RUBY LAKE	AV	N15S	7	1250H6
536	65649	203566	6247	BOULDER LAKE	AV	N15S	7	1250H6
537	65624	203572	6212	MERCED LAKE	AV	N15S	7	1250H6
538	65624	203573	6211	MERCED LAKE	AV	N15S	7	1250H6
539	65627	203579	6213	CRYSTAL LAKE	AV	N15S	7	1250H6
540	65627	203581	6214	CRYSTAL LAKE	AV	N15S	7	1250H6
541	65629	203583	6209	PEARL LAKE	AV	N15S	7	1250H6
542	65621	203588	6221	LAKE BADIN	AV	N15S	7	1250H6
543	65636	203619	6211	EMERALD LAKE	AV	N15S	7	1250H6
544	65632	203642	7934	BLUE LAKE	DR	N15S	7	1250H6
545	65649	203696	6238	BOULDER LAKE	AV	N15S	7	1250H6
546	65629	203720	6201	PEARL LAKE	AV	N15S	7	1250H6
547	65636	203728	6201	EMERALD LAKE	AV	N15S	7	1250H6
548	62863	203740	6216	COWLES MTN	BL	M15S	7	1250G6
549	65639	203746	6203	ROSE LAKE	AV	N15S	7	1250H6
550	65649	203787	6233	BOULDER LAKE	AV	N15S	7	1250H6
551	62860	203805	7880	BLUE LAKE	DR	M15S	7	1250G6
552	62859	203806	7816	BLUE LAKE	DR	M15S	7	1250G6
553	62858	203807	7804	BLUE LAKE	DR	M15S	7	1250G6
554	62859	203808	7828	BLUE LAKE	DR	M15S	7	1250G6
555	62859	203809	7840	BLUE LAKE	DR	M15S	7	1250G6
556	62859	203810	7854	BLUE LAKE	DR	M15S	7	1250G6

557	62859	203811	7866	BLUE LAKE	DR	M15S	7	1250G6
558	62858	203812	7794	BLUE LAKE	DR	M15S	7	1250G6
559	62858	203815	7782	BLUE LAKE	DR	M15S	7	1250G6
560	62862	203825	7910	BLUE LAKE	DR	M15S	7	1250G6
561	65633	203825	7910	BLUE LAKE	DR	M15S	7	1250G6
562	65634	203837	7956	BLUE LAKE	DR	N15S	7	1250H6
563	65628	203841	6206	CRYSTAL LAKE	AV	N15S	7	1250H6
564	65623	203849	6205	CRYSTAL LAKE	AV	N15S	7	1250H6
565	65623	203853	6202	MERCED LAKE	AV	N15S	7	1250H6
566	65622	203865	6212	LAKE BADIN	AV	N15S	7	1250H6
567	65635	203876	6215	LAKE BADIN	AV	N15S	7	1250H6
568	65654	203899	8350	LAKE MURRAY	BL	N15S	7	1250H6
569	65649	203934	6225	BOULDER LAKE	AV	N15S	7	1250H6
570	62862	203935	6209	COWLES MTN	BL	M15S	7	1250G6
571	62859	203956	7815	BLUE LAKE	DR	M15S	7	1250G6
572	62861	203957	6212	COWLES MTN	BL	M15S	7	1250G6
573	62858	203958	7759	BLUE LAKE	DR	M15S	7	1250G6
574	62858	203964	7771	BLUE LAKE	DR	M15S	7	1250G6
575	62862	203969	7905	BLUE LAKE	DR	M15S	7	1250G6
576	65634	203984	7933	BLUE LAKE	DR	N15S	7	1250H6
577	65634	203987	7947	BLUE LAKE	DR	N15S	7	1250H6
578	65634	203989	7957	BLUE LAKE	DR	N15S	7	1250H6
579	65628	203993	7977	BLUE LAKE	DR	N15S	7	1250H6
580	65628	203996	7967	BLUE LAKE	DR	N15S	7	1250H6
581	65623	204000	8015	BLUE LAKE	DR	N15S	7	1250H6
582	65622	204010	8087	BLUE LAKE	DR	N15S	7	1250H6
583	65635	204016	8117	BLUE LAKE	DR	N15S	7	1250H6
584	65635	204021	8131	BLUE LAKE	DR	N15S	7	1250H6
585	65635	204024	8155	BLUE LAKE	DR	N15S	7	1250H6
586	65640	204024	8155	BLUE LAKE	DR	N15S	7	1250H6
587	65636	204024	8155	BLUE LAKE	DR	N15S	7	1250H6
588	65640	204025	8167	BLUE LAKE	DR	N15S	7	1250H6
589	65640	204027	8191	BLUE LAKE	DR	N15S	7	1250H6
590	65646	204030	8205	BLUE LAKE	DR	N15S	7	1250H6
591	62861	204049	6206	COWLES MTN	BL	M15S	7	1250G6
592	62861	204059	6205	COWLES MTN	BL	M15S	7	1250G6
593	65646	204075	8229	BLUE LAKE	DR	N15S	7	1250H6
594	65646	204105	8243	BLUE LAKE	DR	N15S	7	1250H6
595	65621	280078	6218	LAKE BADIN	AV	N15S	7	1250H6
596	62645	319349	7750	LAKE TAHOE	AV	M14S	7	1250G5
597	62641	319350	7804	LAKE TAHOE	AV	M14S	7	1250G5
598	62641	319358	7818	LAKE TAHOE	AV	N14S	7	1250G5
599	62646	319394	7742	LAKE TAHOE	AV	M14S	7	1250G5
600	62652	319445	7658	LAKE ADLON	DR	M14S	7	1250G5
601	62649	319448	7674	LAKE ADLON	DR	M14S	7	1250G5
602	62645	319457	6458	LAKE TAHOE	CT	M14S	7	1250G5
603	62652	319461	7642	LAKE ADLON	DR	M14S	7	1250G5
604	62581	319472	6490	LAKE SHORE	DR	M14S	7	1250G5
605	62641	319482	7824	LAKE TAHOE	AV	N14S	7	1250G5
606	62646	319505	7739	LAKE TAHOE	AV	M14S	7	1250G5
607	62647	319514	7714	LAKE TAHOE	AV	M14S	7	1250G5

608	62649	319535	7690	LAKE ADLON	DR	M14S	7	1250G5
609	62651	319552	6466	GAY LAKE	AV	M14S	7	1250G5
610	62655	319566	6465	GEM LAKE	AV	M14S	7	1250G5
611	62654	319599	6455	LAKE ADLON	CT	M14S	7	1250G5
612	62640	319606	6445	LAKE TAHOE	CT	M14S	7	1250G5
613	62649	319621	7687	LAKE ADLON	DR	M14S	7	1250G5
614	62641	319633	7835	LAKE TAHOE	AV	N14S	7	1250G5
615	65509	319784	7855	LAKE TAHOE	AV	N14S	7	1250G5
616	62650	319785	6459	GAY LAKE	AV	M14S	7	1250G5
617	62616	319847	6441	GEM LAKE	AV	M14S	7	1250G5
618	62650	319883	6442	GAY LAKE	AV	M14S	7	1250G5
619	62616	319892	6438	GEM LAKE	AV	M14S	7	1250G5
620	62616	319975	6429	GEM LAKE	AV	M14S	7	1250G5
621	62616	320013	6426	GEM LAKE	AV	M14S	7	1250G5
622	62619	320023	6435	GAY LAKE	AV	M14S	7	1250G5
623	65538	320037	6444	CORAL LAKE	AV	N14S	7	1250G5
624	62619	320116	6418	GAY LAKE	AV	M14S	7	1250G5
625	62616	320128	7620	FLAG LAKE	ST	M14S	7	1250G5
626	62619	320148	6423	GAY LAKE	AV	M14S	7	1250G5
627	62616	320163	6414	GEM LAKE	AV	M14S	7	1250G5
628	62637	320188	7720	COMPASS LAKE	DR	M14S	7	1250G5
629	62637	320259	6371	TWIN LAKE	DR	M14S	7	1250G5
630	62639	320300	7808	LAKE ADLON	DR	N14S	7	1250G5
631	62636	320351	7744	COMPASS LAKE	DR	M14S	7	1250G5
632	62617	320391	7613	FLAG LAKE	ST	M14S	7	1250G5
633	62639	320392	7761	LAKE ADLON	DR	M14S	7	1250G5
634	62639	320429	7805	LAKE ADLON	DR	M14S	7	1250G5
635	62637	320449	7741	COMPASS LAKE	DR	M14S	7	1250G5
636	62636	320484	7768	COMPASS LAKE	DR	M14S	7	1250G5
637	65542	320507	6403	COWLES MTN	BL	N14S	7	1250H5
638	62636	320534	7753	COMPASS LAKE	DR	M14S	7	1250G5
639	62624	320594	7699	FLAG LAKE	ST	M14S	7	1250G5
640	62635	320684	7811	COMPASS LAKE	DR	M14S	7	1250G5
641	65548	320734	7966	LAKE ADLON	DR	N14S	7	1250H5
642	65541	320739	6385	COWLES MTN	BL	N14S	7	1250H5
643	62635	320762	7823	COMPASS LAKE	DR	M14S	7	1250G5
644	65540	320767	6366	CORAL LAKE	AV	N14S	7	1250G5
645	62634	320768	7842	COMPASS LAKE	DR	M14S	7	1250G5
646	62627	320789	6320	TWIN LAKE	DR	M14S	7	1250G5
647	65549	320792	8032	LAKE ADLON	DR	N14S	7	1250H5
648	65549	320809	8042	LAKE ADLON	DR	N14S	7	1250H5
649	65544	320813	6396	LAKE DECATUR	AV	N14S	7	1250H5
650	65544	320841	6397	LAKE DECATUR	AV	N14S	7	1250H5
651	65546	320857	6392	LAKE DORA	AV	N14S	7	1250H5
652	65548	320895	7985	LAKE ADLON	DR	N14S	7	1250H5
653	62633	320906	7866	COMPASS LAKE	DR	M14S	7	1250G5
654	65549	320915	6396	LAKE COMO	AV	N14S	7	1250H5
655	65549	320940	8011	LAKE ADLON	DR	N14S	7	1250H5
656	65549	320946	8025	LAKE ADLON	DR	N14S	7	1250H5
657	65545	320958	6386	LAKE DECATUR	AV	N14S	7	1250H5
658	65549	320963	8037	LAKE ADLON	DR	N14S	7	1250H5

659	62629	320966	7715	LAKE ANDRITA	AV	M14S	7	1250G5
660	65554	320984	6398	BADGER LAKE	AV	N14S	7	1250H5
661	62629	320998	7730	LAKE ANDRITA	AV	M14S	7	1250G5
662	62633	321026	7859	COMPASS LAKE	DR	M14S	7	1250G5
663	65553	321032	6397	LAKE BADIN	AV	N14S	7	1250H5
664	65541	321043	6358	COWLES MTN	BL	N14S	7	1250H5
665	65455	321049	8302	LAKE ADLON	DR	N14S	7	1250J5
666	65554	321052	6397	BADGER LAKE	AV	N14S	7	1250H5
667	62629	321054	7729	LAKE ANDRITA	AV	M14S	7	1250G5
668	65557	321076	6391	BUDLONG LAKE	AV	N14S	7	1250H5
669	65455	321091	8310	LAKE ADLON	DR	N14S	7	1250J5
670	65558	321096	6394	BALSAM LAKE	AV	N14S	7	1250H5
671	65546	321107	6373	LAKE DORA	AV	N14S	7	1250H5
672	65454	321121	6398	BOULDER LAKE	AV	N14S	7	1250J5
673	62629	321135	7733	LAKE ANDRITA	AV	M14S	7	1250G5
674	65557	321138	6384	BUDLONG LAKE	AV	N14S	7	1250H5
675	65550	321147	6387	LAKE COMO	AV	N14S	7	1250H5
676	65558	321164	6387	BALSAM LAKE	AV	N14S	7	1250H5
677	62630	321166	7748	LAKE ANDRITA	AV	M14S	7	1250G5
678	65456	321168	8326	LAKE ADLON	DR	N14S	7	1250J5
679	62632	321172	6335	CORAL LAKE	AV	N14S	7	1250G5
680	65558	321174	6386	BALSAM LAKE	AV	N14S	7	1250H5
681	65455	321180	8303	LAKE ADLON	DR	N14S	7	1250J5
682	65557	321187	6385	BUDLONG LAKE	AV	N14S	7	1250H5
683	65554	321191	6390	BADGER LAKE	AV	N14S	7	1250H5
684	65545	321198	6367	LAKE DECATUR	AV	N14S	7	1250H5
685	65551	321203	6390	LAKE KATHLEEN	AV	N14S	7	1250H5
686	65456	321210	8334	LAKE ADLON	DR	N14S	7	1250J5
687	65550	321220	6376	LAKE COMO	AV	N14S	7	1250H5
688	65455	321239	8311	LAKE ADLON	DR	N14S	7	1250J5
689	65456	321241	8342	LAKE ADLON	DR	N14S	7	1250J5
690	5042260	321250	6362	LAKE DORA	AV	N14S	7	1250H5
691	5042260	321251	6363	LAKE DORA	AV	N14S	7	1250H5
692	65593	321280	6342	COWLES MTN	BL	N14S	7	1250H5
693	65774	321289	6382	BADGER LAKE	AV	N14S	7	1250H5
694	62607	321290	7562	TOPAZ LAKE	AV	M14S	7	1250G5
695	62632	321299	6323	CORAL LAKE	AV	N14S	7	1250G5
696	62607	321300	7572	TOPAZ LAKE	AV	M14S	7	1250G5
697	65456	321301	8350	LAKE ADLON	DR	N14S	7	1250J5
698	65545	321302	6357	LAKE DECATUR	AV	N14S	7	1250H5
699	65550	321304	6368	LAKE COMO	AV	N14S	7	1250H5
700	65558	321315	6381	BALSAM LAKE	AV	N14S	7	1250H5
701	65557	321317	6378	BUDLONG LAKE	AV	N14S	7	1250H5
702	65456	321322	8327	LAKE ADLON	DR	N14S	7	1250J5
703	65551	321328	6380	LAKE KATHLEEN	AV	N14S	7	1250H5
704	62630	321331	7751	LAKE ANDRITA	AV	M14S	7	1250G5
705	62607	321336	7582	TOPAZ LAKE	AV	M14S	7	1250G5
706	65456	321351	8335	LAKE ADLON	DR	N14S	7	1250J5
707	5042260	321359	6352	LAKE DORA	AV	N14S	7	1250H5
708	65550	321360	6369	LAKE COMO	AV	N14S	7	1250H5
709	5042260	321363	6353	LAKE DORA	AV	N14S	7	1250H5

710	62607	321365	7592	TOPAZ LAKE	AV	M14S	7	1250G5
711	65773	321368	6374	LAKE BADIN	AV	N14S	7	1250H5
712	65456	321391	8345	LAKE ADLON	DR	N14S	7	1250J5
713	62608	321392	7608	TOPAZ LAKE	AV	M14S	7	1250G5
714	65593	321400	6335	COWLES MTN	BL	N14S	7	1250H5
715	65593	321403	6334	COWLES MTN	BL	N14S	7	1250H5
716	62608	321411	7618	TOPAZ LAKE	AV	M14S	7	1250G5
717	65688	321415	8366	LAKE ADLON	DR	N14S	7	1250J5
718	65558	321425	6375	BALSAM LAKE	AV	N14S	7	1250H5
719	62632	321430	6311	CORAL LAKE	AV	N14S	7	1250G5
720	65679	321437	6372	BUDLONG LAKE	AV	N14S	7	1250H5
721	65602	321440	6370	LAKE KATHLEEN	AV	N14S	7	1250H5
722	5042260	321458	6342	LAKE DORA	AV	N14S	7	1250H5
723	65773	321466	6368	LAKE BADIN	AV	N14S	7	1250H5
724	5042260	321467	6343	LAKE DORA	AV	N14S	7	1250H5
725	65688	321471	8374	LAKE ADLON	DR	N14S	7	1250J5
726	65454	321474	8304	LAKE ARTEMUS	AV	N14S	7	1250J5
727	62631	321483	7846	LAKE ANDRITA	AV	M14S	7	1250G5
728	62631	321490	7825	LAKE ANDRITA	AV	M14S	7	1250G5
729	65454	321491	6380	BOULDER LAKE	AV	N14S	7	1250J5
730	65595	321516	6337	LAKE DECATUR	AV	N14S	7	1250H5
731	65601	321529	6352	LAKE COMO	AV	N14S	7	1250H5
732	65595	321534	6334	LAKE DECATUR	AV	N14S	7	1250H5
733	65601	321536	6353	LAKE COMO	AV	N14S	7	1250H5
734	65688	321538	8375	LAKE ADLON	DR	N14S	7	1250J5
735	62608	321563	6398	LAKE LEVEN	DR	M14S	7	1250G5
736	65593	321565	6318	COWLES MTN	BL	N15S	7	1250G5
737	5042260	321566	6335	LAKE DORA	AV	N14S	7	1250H5
738	65602	321567	6357	LAKE KATHLEEN	AV	N14S	7	1250H5
739	65688	321568	8394	LAKE ADLON	DR	N14S	7	1250J5
740	65679	321575	6366	BUDLONG LAKE	AV	N15S	7	1250H5
741	65773	321579	6362	LAKE BADIN	AV	N15S	7	1250H5
742	65688	321592	8385	LAKE ADLON	DR	N15S	7	1250J5
743	65601	321603	6344	LAKE COMO	AV	N15S	7	1250H5
744	65673	321630	6374	BOULDER LAKE	AV	N15S	7	1250J5
745	62885	321637	7678	TOPAZ LAKE	AV	M15S	7	1250G5
746	65597	321638	6327	LAKE DORA	AV	N15S	7	1250H5
747	5042260	321638	6327	LAKE DORA	AV	N15S	7	1250H5
748	65688	321640	8395	LAKE ADLON	DR	N15S	7	1250J5
749	65602	321657	6349	LAKE KATHLEEN	AV	N15S	7	1250H5
750	62609	321676	7669	TOPAZ LAKE	AV	M15S	7	1250G5
751	65675	321677	6361	BALSAM LAKE	AV	N15S	7	1250H5
752	62832	321689	6369	LAKE LUCERNE	DR	M15S	7	1250G5
753	65591	321692	7867	LAKE ANDRITA	AV	M15S	7	1250G5
754	65679	321695	6357	BUDLONG LAKE	AV	N15S	7	1250H5
755	65673	321698	6368	BOULDER LAKE	AV	N15S	7	1250J5
756	65773	321702	6355	LAKE BADIN	AV	N15S	7	1250H5
757	65679	321707	6352	BUDLONG LAKE	AV	N15S	7	1250H5
758	65597	321729	6318	LAKE DORA	AV	N15S	7	1250H5
759	65594	321745	7902	LAKE ANDRITA	AV	N15S	7	1250H5
760	65597	321747	6319	LAKE DORA	AV	N15S	7	1250H5

761	65591	321772	7895	LAKE ANDRITA	AV	N15S	7	1250G5
762	65673	321777	6362	BOULDER LAKE	AV	N15S	7	1250J5
763	62833	321779	6374	LAKE LOMOND	DR	M15S	7	1250G5
764	65685	321799	8337	LAKE ARTEMUS	AV	N15S	7	1250J5
765	62832	321812	6363	LAKE LUCERNE	DR	M15S	7	1250G5
766	62893	321819	6380	LAKE LEVEN	DR	M15S	7	1250G5
767	65680	321821	6344	BADGER LAKE	AV	N15S	7	1250H5
768	65597	321824	6310	LAKE DORA	AV	N15S	7	1250H5
769	65685	321836	8349	LAKE ARTEMUS	AV	N15S	7	1250J5
770	65675	321857	6350	BALSAM LAKE	AV	N15S	7	1250H5
771	65683	321882	6343	LAKE BADIN	AV	N15S	7	1250H5
772	65673	321888	8306	LAKE ASHWOOD	AV	N15S	7	1250J5
773	65685	321892	8363	LAKE ARTEMUS	AV	N15S	7	1250J5
774	62833	321900	6364	LAKE LOMOND	DR	M15S	7	1250G5
775	65683	321909	6338	LAKE BADIN	AV	N15S	7	1250H5
776	62833	321911	6367	LAKE LOMOND	DR	M15S	7	1250G5
777	65601	321912	6321	LAKE COMO	AV	N15S	7	1250H5
778	62832	321921	6357	LAKE LUCERNE	DR	M15S	7	1250G5
779	62887	321925	7679	TOPAZ LAKE	AV	M15S	7	1250G5
780	65597	321929	6302	LAKE DORA	AV	N15S	7	1250H5
781	65686	321946	8392	LAKE ARTEMUS	AV	N15S	7	1250J5
782	62892	321952	6372	LAKE LEVEN	DR	M15S	7	1250G5
783	65680	321966	6338	BADGER LAKE	AV	N15S	7	1250H5
784	65686	321972	8379	LAKE ARTEMUS	AV	N15S	7	1250J5
785	65683	321987	6337	LAKE BADIN	AV	N15S	7	1250H5
786	65678	322016	6340	BUDLONG LAKE	AV	N15S	7	1250H5
787	65683	322018	6332	LAKE BADIN	AV	N15S	7	1250H5
788	65596	322037	7935	LAKE ANDRITA	AV	N15S	7	1250H5
789	62834	322038	6354	LAKE LOMOND	DR	M15S	7	1250G5
790	65686	322047	8389	LAKE ARTEMUS	AV	N15S	7	1250J5
791	62892	322055	6365	LAKE LEVEN	DR	M15S	7	1250G5
792	65678	322064	6337	BUDLONG LAKE	AV	N15S	7	1250H5
793	62892	322065	6362	LAKE LEVEN	DR	M15S	7	1250G5
794	65673	322073	6350	BOULDER LAKE	AV	N15S	7	1250J5
795	65680	322078	6332	BADGER LAKE	AV	N15S	7	1250H5
796	65596	322079	7945	LAKE ANDRITA	AV	N15S	7	1250H5
797	65675	322085	6338	BALSAM LAKE	AV	N15S	7	1250H5
798	62887	322095	6274	TWIN LAKE	DR	M15S	7	1250G5
799	65673	322096	6344	BOULDER LAKE	AV	N15S	7	1250J5
800	65596	322124	7955	LAKE ANDRITA	AV	N15S	7	1250H5
801	65680	322130	6333	BADGER LAKE	AV	N15S	7	1250H5
802	65680	322133	6326	BADGER LAKE	AV	N15S	7	1250H5
803	62882	322145	7747	TOPAZ LAKE	AV	M15S	7	1250G5
804	62834	322147	6344	LAKE LOMOND	DR	M15S	7	1250G5
805	65673	322160	6349	BOULDER LAKE	AV	N15S	7	1250J5
806	65598	322173	7965	LAKE ANDRITA	AV	N15S	7	1250H5
807	62892	322181	6355	LAKE LEVEN	DR	M15S	7	1250G5
808	65598	322219	7975	LAKE ANDRITA	AV	N15S	7	1250H5
809	62882	322226	7757	TOPAZ LAKE	AV	M15S	7	1250G5
810	65680	322245	6318	BADGER LAKE	AV	N15S	7	1250H5
811	65680	322247	6327	BADGER LAKE	AV	N15S	7	1250H5

812	65598	322265	7985	LAKE ANDRITA	AV	N15S	7	1250H5
813	65701	322275	8364	LAKE ASHWOOD	AV	N15S	7	1250J5
814	62882	322282	7767	TOPAZ LAKE	AV	M15S	7	1250G5
815	65598	322309	7995	LAKE ANDRITA	AV	N15S	7	1250H5
816	62892	322311	6345	LAKE LEVEN	DR	M15S	7	1250G5
817	62829	322321	6336	LAKE LUCERNE	DR	M15S	7	1250G5
818	62891	322419	6335	LAKE LEVEN	DR	M15S	7	1250G5
819	62834	322421	6324	LAKE LOMOND	DR	M15S	7	1250G5
820	62829	322430	6328	LAKE LUCERNE	DR	M15S	7	1250G5
821	62829	322432	6325	LAKE LUCERNE	DR	M15S	7	1250G5
822	65599	322457	8039	LAKE ANDRITA	AV	N15S	7	1250H5
823	65681	322461	6311	BADGER LAKE	AV	N15S	7	1250H5
824	65678	322463	6309	BUDLONG LAKE	AV	N15S	7	1250H5
825	65701	322469	8389	LAKE ASHWOOD	AV	N15S	7	1250J5
826	62881	322483	7840	TOPAZ LAKE	AV	M15S	7	1250G5
827	65681	322487	6305	BADGER LAKE	AV	N15S	7	1250H5
828	65604	322490	8051	LAKE ANDRITA	AV	N15S	7	1250H5
829	62834	322491	6316	LAKE LOMOND	DR	M15S	7	1250G5
830	65672	322516	6320	BOULDER LAKE	AV	N15S	7	1250H5
831	62881	322522	7823	TOPAZ LAKE	AV	M15S	7	1250G5
832	65677	322532	6308	BUDLONG LAKE	AV	N15S	7	1250H5
833	62828	322561	6315	LAKE LUCERNE	DR	M15S	7	1250G6
834	65604	322572	8075	LAKE ANDRITA	AV	N15S	7	1250H5
835	62881	322585	7831	TOPAZ LAKE	AV	M15S	7	1250G5
836	62891	322605	6322	LAKE LEVEN	DR	M15S	7	1250G6
837	62835	322608	6310	LAKE LOMOND	DR	M15S	7	1250G6
838	65677	322614	6303	BUDLONG LAKE	AV	N15S	7	1250H5
839	65611	322629	7906	TOPAZ LAKE	AV	N15S	7	1250G6
840	62881	322635	7843	TOPAZ LAKE	AV	M15S	7	1250G6
841	62888	322658	6258	TWIN LAKE	DR	M15S	7	1250G6
842	65665	322681	8101	LAKE ANDRITA	AV	N15S	7	1250H5
843	62881	322683	7853	TOPAZ LAKE	AV	M15S	7	1250G6
844	62828	322708	7554	LAKE REE	AV	M15S	7	1250G6
845	65703	322720	6377	LAKE ALTURAS	AV	N15S	7	1250J5
846	62888	322777	6254	TWIN LAKE	DR	M15S	7	1250G6
847	62879	322789	7887	TOPAZ LAKE	AV	M15S	7	1250G6
848	62891	322803	7660	LAKE REE	AV	M15S	7	1250G6
849	65672	322812	6302	BOULDER LAKE	AV	N15S	7	1250H5
850	65667	322831	8195	LAKE ANDRITA	AV	N15S	7	1250H6
851	62827	322834	7566	LAKE REE	AV	M15S	7	1250G6
852	62827	322855	0			M15S	7	1250G6
853	65703	322877	6368	LAKE ALTURAS	AV	N15S	7	1250J6
854	62827	322882	7579	LAKE REE	AV	M15S	7	1250G6
855	65614	322885	7930	TOPAZ LAKE	AV	N15S	7	1250H6
856	62836	322886	7632	LAKE REE	AV	M15S	7	1250G6
857	65669	322897	8265	LAKE ANDRITA	AV	N15S	7	1250H6
858	62888	322902	7684	LAKE REE	AV	M15S	7	1250G6
859	65669	322904	8281	LAKE ANDRITA	AV	N15S	7	1250H6
860	65614	322911	7936	TOPAZ LAKE	AV	N15S	7	1250H6
861	62825	322955	7555	LAKE REE	AV	M15S	7	1250G6
862	62876	322956	7854	COWLES MTN	PL	M15S	7	1250G6

863	65671	322958	6371	LAKE ALAMOR	AV	N15S	7	1250J6
864	62876	322965	7878	COWLES MTN	PL	M15S	7	1250G6
865	65671	322980	6351	LAKE ALAMOR	AV	N15S	7	1250J6
866	65615	322981	7950	TOPAZ LAKE	AV	N15S	7	1250H6
867	62838	322982	7579	LAKE REE	AV	M15S	7	1250G6
868	62836	322983	7621	LAKE REE	AV	M15S	7	1250G6
869	62876	322990	6278	COWLES MTN	BL	M15S	7	1250G6
870	62836	323006	7633	LAKE REE	AV	M15S	7	1250G6
871	65617	323024	7956	TOPAZ LAKE	AV	N15S	7	1250H6
872	62825	323059	6275	LAKE LUCERNE	DR	M15S	7	1250G6
873	62889	323087	7685	LAKE REE	AV	M15S	7	1250G6
874	62875	323098	6268	COWLES MTN	BL	M15S	7	1250G6
875	65616	323099	6282	PEARL LAKE	AV	N15S	7	1250H6
876	62838	323117	6283	LAKE LOMOND	DR	M15S	7	1250G6
877	65617	323126	7986	TOPAZ LAKE	AV	N15S	7	1250H6
878	65613	323128	6283	SPRUCE LAKE	AV	N15S	7	1250H6
879	62839	323136	6282	LAKE LEVEN	DR	M15S	7	1250G6
880	65670	323148	6401	JACKSON	DR	N15S	7	1250H6
881	62844	323159	6267	LAKE LUCERNE	DR	M15S	7	1250G6
882	62889	323192	6238	TWIN LAKE	DR	M15S	7	1250G6
883	65616	323194	6274	PEARL LAKE	AV	N15S	7	1250H6
884	62839	323231	6272	LAKE LEVEN	DR	M15S	7	1250G6
885	65626	323239	6270	CRYSTAL LAKE	AV	N15S	7	1250H6
886	65618	323257	8034	TOPAZ LAKE	AV	N15S	7	1250H6
887	65626	323276	6269	CRYSTAL LAKE	AV	N15S	7	1250H6
888	62844	323279	6259	LAKE LUCERNE	DR	M15S	7	1250G6
889	62839	323285	6265	LAKE LEVEN	DR	M15S	7	1250G6
890	65618	323291	8056	TOPAZ LAKE	AV	N15S	7	1250H6
891	65613	323297	6264	SPRUCE LAKE	AV	N15S	7	1250G6
892	62870	323311	6269	TWIN LAKE	DR	M15S	7	1250G6
893	62853	323321	6234	TWIN LAKE	DR	M15S	7	1250G6
894	62843	323328	6264	LAKE LOMOND	DR	M15S	7	1250G6
895	65619	323329	8068	TOPAZ LAKE	AV	N15S	7	1250H6
896	65613	323330	6267	SPRUCE LAKE	AV	N15S	7	1250H6
897	65619	323347	8080	TOPAZ LAKE	AV	N15S	7	1250H6
898	62839	323349	6262	LAKE LEVEN	DR	M15S	7	1250G6
899	65626	323363	6261	CRYSTAL LAKE	AV	N15S	7	1250H6
900	62853	323415	6230	TWIN LAKE	DR	M15S	7	1250G6
901	62870	323444	7753	GLORIA LAKE	AV	M15S	7	1250G6
902	62870	323445	7773	GLORIA LAKE	AV	M15S	7	1250G6
903	62873	323452	7851	GLORIA LAKE	AV	M15S	7	1250G6
904	62873	323459	7861	GLORIA LAKE	AV	M15S	7	1250G6
905	62844	323462	6246	LAKE LUCERNE	DR	M15S	7	1250G6
906	62843	323465	6254	LAKE LOMOND	DR	M15S	7	1250G6
907	65625	323499	6262	MERCED LAKE	AV	N15S	7	1250H6
908	65630	323526	6242	PEARL LAKE	AV	N15S	7	1250H6
909	65626	323543	6246	CRYSTAL LAKE	AV	N15S	7	1250H6
910	62853	323546	6226	TWIN LAKE	DR	M15S	7	1250G6
911	65661	323552	6271	BOULDER LAKE	AV	N15S	7	1250H6
912	62843	323568	6243	LAKE LOMOND	DR	M15S	7	1250G6
913	65625	323574	6252	MERCED LAKE	AV	N15S	7	1250H6

914	65638	323575	6265	ROSE LAKE	AV	N15S	7	1250H6
915	65630	323578	6241	PEARL LAKE	AV	N15S	7	1250H6
916	62844	323580	6238	LAKE LUCERNE	DR	M15S	7	1250G6
917	65637	323581	6252	EMERALD LAKE	AV	N15S	7	1250H6
918	62839	323584	6242	LAKE LEVEN	DR	M15S	7	1250G6
919	65638	323604	6254	ROSE LAKE	AV	N15S	7	1250H6
920	65632	323607	6239	SPRUCE LAKE	AV	N15S	7	1250H6
921	65621	323637	6242	LAKE BADIN	AV	N15S	7	1250H6
922	65661	323647	6265	BOULDER LAKE	AV	N15S	7	1250H6
923	62840	323654	6235	LAKE LEVEN	DR	M15S	7	1250G6
924	65627	323658	6235	CRYSTAL LAKE	AV	N15S	7	1250H6
925	65625	323667	6242	MERCED LAKE	AV	N15S	7	1250H6
926	65630	323675	6233	PEARL LAKE	AV	N15S	7	1250H6
927	62840	323695	6232	LAKE LEVEN	DR	M15S	7	1250G6
928	65638	323699	6244	ROSE LAKE	AV	N15S	7	1250H6
929	65638	323700	6245	ROSE LAKE	AV	N15S	7	1250H6
930	65632	323706	6232	SPRUCE LAKE	AV	N15S	7	1250G6
931	62867	323719	7736	CEDAR LAKE	AV	M15S	7	1250G6
932	62867	323723	7748	CEDAR LAKE	AV	M15S	7	1250G6
933	65632	323726	6231	SPRUCE LAKE	AV	N15S	7	1250H6
934	62867	323727	7772	CEDAR LAKE	AV	M15S	7	1250G6
935	65649	323729	6259	BOULDER LAKE	AV	N15S	7	1250H6
936	65648	323731	6246	RUBY LAKE	AV	N15S	7	1250H6
937	62867	323732	7784	CEDAR LAKE	AV	M15S	7	1250G6
938	62865	323757	7892	CEDAR LAKE	AV	M15S	7	1250G6
939	62853	323774	6218	TWIN LAKE	DR	M15S	7	1250G6
940	65624	323791	6233	MERCED LAKE	AV	N15S	7	1250H6
941	65632	323801	6223	SPRUCE LAKE	AV	N15S	7	1250H6
942	65632	323808	6224	SPRUCE LAKE	AV	N15S	7	1250G6
943	65627	323814	6222	CRYSTAL LAKE	AV	N15S	7	1250H6
944	65649	323815	6252	BOULDER LAKE	AV	N15S	7	1250H6
945	65649	323816	6253	BOULDER LAKE	AV	N15S	7	1250H6
946	62853	323821	7711	CEDAR LAKE	AV	M15S	7	1250G6
947	65648	323823	6236	RUBY LAKE	AV	N15S	7	1250H6
948	65621	323826	6230	LAKE BADIN	AV	N15S	7	1250H6
949	62867	323842	7749	CEDAR LAKE	AV	M15S	7	1250G6
950	62867	323847	7761	CEDAR LAKE	AV	M15S	7	1250G6
951	65621	323852	6227	LAKE BADIN	AV	N15S	7	1250H6
952	62867	323853	7785	CEDAR LAKE	AV	M15S	7	1250G6
953	62866	323855	7805	CEDAR LAKE	AV	M15S	7	1250G6
954	62866	323858	7815	CEDAR LAKE	AV	M15S	7	1250G6
955	62866	323864	7825	CEDAR LAKE	AV	M15S	7	1250G6
956	65632	323866	6216	SPRUCE LAKE	AV	N15S	7	1250G6
957	65648	323869	6237	RUBY LAKE	AV	N15S	7	1250H6
958	62865	323874	7865	CEDAR LAKE	AV	M15S	7	1250G6
959	65624	323896	6221	MERCED LAKE	AV	N15S	7	1250H6
960	62840	323898	6212	LAKE LEVEN	DR	M15S	7	1250G6
961	62863	323899	6227	COWLES MTN	BL	M15S	7	1250G6
962	65657	323917	8350	LAKE MURRAY	BL	N15S	7	1250J6
963	65621	323920	6224	LAKE BADIN	AV	N15S	7	1250H6
964	65632	323928	6213	SPRUCE LAKE	AV	N15S	7	1250H6

965	65649	323929	6246	BOULDER LAKE	AV	N15S	7	1250H6
966	65639	323983	6214	ROSE LAKE	AV	N15S	7	1250H6
967	65639	323986	6213	ROSE LAKE	AV	N15S	7	1250H6
968	65636	323991	6212	EMERALD LAKE	AV	N15S	7	1250H6
969	65649	324019	6241	BOULDER LAKE	AV	N15S	7	1250H6
970	65636	324054	6202	EMERALD LAKE	AV	N15S	7	1250H6
971	65639	324060	6204	ROSE LAKE	AV	N15S	7	1250H6
972	62858	324104	7770	BLUE LAKE	DR	M15S	7	1250G6
973	62858	324105	7758	BLUE LAKE	DR	M15S	7	1250G6
974	62862	324112	7904	BLUE LAKE	DR	M15S	7	1250G6
975	65633	324120	7916	BLUE LAKE	DR	N15S	7	1250G6
976	65633	324128	7920	BLUE LAKE	DR	N15S	7	1250G6
977	65634	324131	7944	BLUE LAKE	DR	N15S	7	1250H6
978	65622	324145	6201	MERCED LAKE	AV	N15S	7	1250H6
979	62859	324213	7827	BLUE LAKE	DR	M15S	7	1250G6
980	62858	324214	7803	BLUE LAKE	DR	M15S	7	1250G6
981	62858	324216	7783	BLUE LAKE	DR	M15S	7	1250G6
982	62859	324217	7853	BLUE LAKE	DR	M15S	7	1250G6
983	62859	324219	7839	BLUE LAKE	DR	M15S	7	1250G6
984	65633	324226	7909	BLUE LAKE	DR	M15S	7	1250G6
985	65633	324229	7915	BLUE LAKE	DR	N15S	7	1250G6
986	65633	324233	7921	BLUE LAKE	DR	N15S	7	1250G6
987	65634	324236	7927	BLUE LAKE	DR	N15S	7	1250H6
988	65634	324238	7937	BLUE LAKE	DR	N15S	7	1250H6
989	65628	324243	7987	BLUE LAKE	DR	N15S	7	1250H6
990	65628	324245	7997	BLUE LAKE	DR	N15S	7	1250H6
991	65628	324247	8003	BLUE LAKE	DR	N15S	7	1250H6
992	65623	324249	8027	BLUE LAKE	DR	N15S	7	1250H6
993	65623	324250	8039	BLUE LAKE	DR	N15S	7	1250H6
994	65623	324252	8051	BLUE LAKE	DR	N15S	7	1250H6
995	65622	324256	8063	BLUE LAKE	DR	N15S	7	1250H6
996	65622	324257	8075	BLUE LAKE	DR	N15S	7	1250H6
997	65635	324270	8143	BLUE LAKE	DR	N15S	7	1250H6
998	65640	324272	8179	BLUE LAKE	DR	N15S	7	1250H6
999	65646	324285	8217	BLUE LAKE	DR	N15S	7	1250H6
1000	65653	324376	8312	LAKE MURRAY	BL	N15S	7	1250H6
1001	62831	375114	6345	LAKE LUCERNE	DR	M15S	7	1250G5
1002	65540	1141144	6344	CORAL LAKE	AV	N14S	7	1250G5
1003	62839	1149878	6255	LAKE LEVEN	DR	M15S	7	1250G6
1004	65685	5618847	8336	LAKE ARTEMUS	AV	N15S	7	1250J5
1005	65685	5618848	8324	LAKE ARTEMUS	AV	N14S	7	1250J5
1006	65685	5618849	8314	LAKE ARTEMUS	AV	N14S	7	1250J5

APPENDIX L

TELEVISION INSPECTION REPORTS AND SAMPLE FORMATS, CODES

Appendix L

All video inspection will follow the White Book 2012, Section 306-9

- Laterals videos
 - Shall follow White Book 2012 specs regarding file format, quality, and information on the video.
 - Naming convention will consist of: Number (of listing on Appendix K Sewer Lateral Rehabs), the lateral FSN – or 0 if a found lateral*; street number and street name. Example:
“1309812_7605MagellanDr.wmv”
- Lateral Final videos
 - The submittal shall include a summary of the included videos listing the Downstream Facility FSN of each Lateral
 - An As-Built, per sample

*When a lateral is found that is not on the Appendix K list, it should be added to the list, given the next number, and the Engineer notified of the new number assignment. It is the responsibility of the Engineer or PM to apply for a new FSN for the facility.

An Excel file of the Appendix K can be provided upon request. A copy of the database example for Mains will also be provided, however, a disk must be submitted for the transfer of the Access file.

Contractor is responsible for QA/QC of all submittals.

A Lined-To-Date report for Laterals is to be submitted monthly. See Appendix M, Part 4.

INSPECTION

INSPECTION_SEQ_NUM	INSPECTION_DT	CAMERA_OPERATOR	PRECIPITATION_QTY	VIDEO_DIRECTION_TXT	STREET_NM
1	8/9/2012	BRANDON WALK		US	RUTGERS
2	8/9/2012	BRANDON WALK		US	RUTGERS
3	8/9/2012	BRANDON WALK		US	PASEO BONITA
4	8/9/2012	BRANDON WALK		US	RUTGERS
5	8/15/2012	BRANDON WALK		US	GAGE DR

SURFACE_TYP_TXT	UPSTREAM_MANH_FLD_BK_PAGE_NUM	UPSTREAM_MANH_MAPID	UPSTREAM_MANH_FLD_BK_GRID_NUM	DOWNSTRM_MANH_FLD_BK_PAGE_NUM	DOWNSTRM_MANH_FLD_BK_GRID_NUM
	B12S	327		B12S	
	B12S	329		B12S	
	B12S	332		B12S	
	B12S	330		B12S	
	C21S	363		C21S	

DOWNSTREAM_MANH_MAPID	START_FOOTAGE_QTY	END_FOOTAGE_QTY	QC_PERSON_NM	QC_DT	VIDEO_FILE_NAME
314	0				B12S-0327-B12S-0314-09090812.WMV
327	0				B12S-0329-B12S-0327-09090812.WMV
330	0				B12S-0332-B12S-0330-08090812.WMV
329	0				B12S-0330-B12S-0329-08090812.WMV
346	0				C21S-0363-C21S-0346-10150812.WMV

OBSERVATION

INSPECTION_SEQ_NUM	FAC_SEQ_NUM	OBSERVATION_SEQ_NUM	OBSERVATION_CD	FOOTAGE_QTY	OBSERVATION_COMMENT
1	3539	7581	ST-N	0	
1	3539	7582	CN-N	5	
1	3539	7583	CN-N	89	
1	3539	7584	CN-N	160	
1	3539	7585	CN-N	227	
1	3539	7586	FH-N	233	
2	3540	7587	ST-N	0	
2	3540	7588	CN-N	24	
2	3540	7589	CN-N	78	
2	3540	7590	CN-N	100	
2	3540	7591	CN-N	168	
2	3540	7592	CN-N	235	
2	3540	7593	CN-N	238	
2	3540	7594	FH-N	267	
3	3543	7595	ST-N	0	
3	3543	7596	CN-N	2	

PIPE SEGMENT

INSPECTION_SEQ_NUM	FAC_SEQ_NUM	LGTH_QTY	DEPTH	JOINT_SPACING_NUM	INSD_DIAM_SIZE_NUM
1	3539	233	0	0	8
2	3540	267	0	0	8
3	3543	305	0	0	8
4	3544	154	0	0	8
5	11052	333	0	0	8
6	11072	127	0	0	8
7	11074	219	0	0	8
8	11081	238	0	0	8
9	11082	215	0	0	8
10	11084	117	0	0	8
11	11085	147	0	0	8
12	11086	252	0	0	8

START_FOOTAGE_QTY	END_FOOTAGE_QTY	PIPE_SEGMENT_COMMENT_TXT	MATL_CD	REHAB
0			RIBLC	LINED
0			RIBLC	LINED
0			RIBLC	LINED
0			RIBLC	LINED
0			NATIONAL LINER	LINED
0			NATIONAL LINER	LINED
0			NATIONAL LINER	LINED
0			RIBLC	LINED
0			RIBLC	LINED
0			RIBLC	LINED
0			NATIONAL LINER	LINED
0			RIBLC	LINED

STILL IMAGE

INSPECTION_SEQ_NUM	FAC_SEQ_NUM	OBSERVATION_SEQ_NUM	ONLINE_STORAGE_FILE_NM	STILL_IMAGE_SEQ_NUM

VENDOR RECOMMENDATION

VENDOR_RECOMMENDATION_SEQ_NUM	INSPECTION_SEQ_NUM	FAC_SEQ_NUM	RECOMMENDATION_CD	RECOMMENDATION_CD2	PRIORITY_CD
1	1	3539	N		
1	2	3540	N		
1	3	3543	N		
1	4	3544	N		
1	5	11052	N		
1	6	11072	N		
1	7	11074	N		
1	8	11081	N		
1	9	11082	N		
1	10	11084	N		
1	11	11085	N		
1	12	11086	N		

APPENDIX M
LINED TO DATE SAMPLE REPORT

APPENDIX N
SAMPLE OF PUBLIC NOTICES



CONSTRUCTION NOTICE

Pipeline Rehabilitation AD-1

Winter 2016 – Spring 2017

What you need to know:

- Pipeline Rehabilitation AD-1 is rehabilitating the major sewer pipeline in the street and the service laterals up to the property lines in your area.

How your neighborhood may be impacted:

- For a limited time, crews will need to block off your sewer connection. **PLEASE AVOID USING YOUR WATER** since it is possible your system **MAY BACK UP AND FLOOD YOUR HOME**. Please **AVOID** doing laundry, washing dishes, bathing, showering or flushing toilets during the hours of construction. Please observe the parking restrictions posted. "No Parking" and "Tow Away" signs will be posted 48 hrs. in advance of enforcement in affected areas. Access to your driveway may be temporarily restricted.
- Two-way traffic will be maintained at all times.

Anticipated Construction Schedule

- The project upgrades for aging pipelines have been ongoing and now are scheduled to start on your street.
- Estimated construction dates: Mar 2016 – May 2017

Hours and Days of Operation

- Monday to Friday 7:00 AM to 5:00 PM

For questions related to this work

Call: (619) 533-4207

Email: engineering@sandiego.gov

Visit: sandiego.gov/CIP

e-Bidding Pipeline Rehabilitation AD-1 Appendix N – Sample of Public Notices (Rev. July 2015)



This information is available in alternative formats upon request.



CONSTRUCTION NOTICE

Pipeline Rehabilitation AD-1

Winter 2016 – Spring 2017

What you need to know:

- Pipeline Rehabilitation AD-1 is rehabilitating the major sewer pipeline in the street and the service laterals up to the property lines in your area.

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Email: engineering@sandiego.gov

Visit: sandiego.gov/CIP



This information is available in alternative formats upon request.

ATTACHMENT F
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CERTIFICATIONS AND FORMS

Instruction to Bidders, Section 1 - The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this bid are true and correct.

Bidder's General Information

To the City of San Diego:

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

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

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

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

AFFIDAVIT OF DISPOSAL

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

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

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. K-16-1315-DBB-3; SAP No (WBS/IO/CC). B-14009; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

Contractor
by

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That Southwest Pipeline and Trenchless Corp. as Principal, and
Liberty Mutual Insurance Company as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

Pipeline Rehabilitation AD-1; K-16-1315-DBB-3

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

SIGNED AND SEALED, this 2nd day of December, 2015

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

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

By: [Signature]
(Signature)

Patricia S. Arana, Attorney-In-Fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

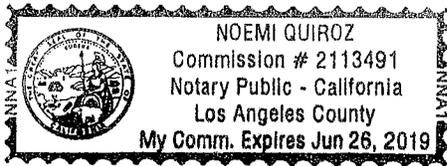
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

On DEC 02 2015, before me, Noemi Quiroz, Notary Public, personally appeared Patricia S. Arana, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/~~she~~/~~they~~ executed the same in ~~his~~/~~her~~/~~their~~ authorized capacity(ies), and that by ~~his~~/~~her~~/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.



(Seal)

Signature: *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, Patricia S. Arana of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: City of San Diego

Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

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



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

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 18th day of November, 2013, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 23, 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 2nd day of December, 2015.



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

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

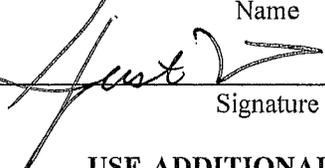
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the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

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By Justin Duchaineau Title President

Name



Signature

Date 1-4-2016

USE ADDITIONAL FORMS AS NECESSARY

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



For additional information, contact:
CITY OF SAN DIEGO
EQUAL BENEFITS PROGRAM
 202 C Street, MS 9A, San Diego, CA 92101
 Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name: Southwest Pipeline & 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 AD-1;	Start Date:
Contract Number (if no number, state location): K-16-1315-DBB-3	End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

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

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

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

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

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

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

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

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

Justin Duchaineau		1/4/2016
Name/Title of Signatory	Signature	Date

FOR OFFICIAL CITY USE ONLY

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

Bid Results for Project Pipeline Rehabilitation AD-1 (K-16-1315-DBB-3)
 Issued on 12/01/2015
 Bid Due on January 7, 2016 2:00 PM (Pacific)
 Exported on 01/06/2016

VendorID	Company Name	Address	Address 2	City	State	Zip Code	Country	Contact	Phone	Fax	Email	Vendor Type
302463	Southwest Pipeline and Trenchless Corp.	22118 S. Vermont Avenue		Torrance		90502	United States	Justin Duchaineau	310-329-8717 ext. 103	310-329-0981	justin@swpipeline.com	PQUAL,CADIR

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

Bid Format	Submitted Date	Delivery Method	Responsive	Status	Confirmation #	Ranking
Electronic	January 7, 2016 1:46:30 PM (Pacific)			Submitted	69899	0

Attachments		
File Title	File Name	File Type
Bid Bond	Bid Bond.pdf	General Attachments
Contractor Certification Pending	Contractor Certification Pending Action.pdf	General Attachments
Equal Benefits Ordinance Cert	Equal Benefits Ordinance Certificate of Compliance.pdf	General Attachments
Bid Bond	Bid Bond.pdf	Bid Bond

Item Num	Section	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total
1	Main Bid		Bonds (Payment and Performance)	LS	1	\$50,000.00	\$50,000.00
2	Main Bid		Video Recording of Pre-existing Conditions	LS	1	\$1,500.00	\$1,500.00
3	Main Bid		Traffic Control	LS	1	\$10,000.00	\$10,000.00
4	Main Bid		Mobilization	LS	-	\$50,000.00	\$50,000.00
5	Main Bid		Field Orders - Type II	AL	-	\$100,000.00	\$100,000.00
6	Main Bid		Asphalt Pavement Repair	TON	115	\$200.00	\$23,000.00
7	Main Bid		Rubber Polymer Modified Slurry Type II and Striping	SF	69000	\$0.33	\$22,770.00
8	Main Bid		Pavement Restoration Adjacent to Trench	SF	5000	\$2.25	\$11,250.00
9	Main Bid		1-1/2 Inch Asphalt Concrete Overlay and Striping	TON	275	\$110.00	\$30,250.00
10	Main Bid		Concrete Pavement	CY	100	\$256.00	\$25,600.00
11	Main Bid		Additional Curb and Gutter	LF	200	\$27.50	\$5,500.00
12	Main Bid		Additional Sidewalk Removal and Replacement	SF	100	\$6.85	\$685.00
13	Main Bid		Curb Ramp Type A with Stainless Steel Detectable Warning Tiles	EA	5	\$2,550.00	\$12,750.00
14	Main Bid		Curb Ramp Type B with Stainless Steel Detectable Warning Tiles	EA	2	\$2,550.00	\$5,100.00
15	Main Bid		Curb Ramp Type C-1 with Stainless Steel Detectable Warning Tiles	EA	1	\$2,550.00	\$2,550.00
16	Main Bid		Curb Ramp Type C-2 with Stainless Steel Detectable Warning Tiles	EA	2	\$2,550.00	\$5,100.00
17	Main Bid		Curb Ramp Type D with Stainless Steel Detectable Warning Tiles	EA	1	\$2,350.00	\$2,350.00
18	Main Bid		Curb Ramp Type A with Detectable Warning Tiles	EA	50	\$2,350.00	\$117,500.00
19	Main Bid		Curb Ramp Type B with Detectable Warning Tiles	EA	5	\$2,350.00	\$11,750.00
20	Main Bid		Curb Ramp Type C-1 with Detectable Warning Tiles	EA	1	\$2,350.00	\$2,350.00
21	Main Bid		Curb Ramp Type C-2 with Detectable Warning Tiles	EA	10	\$2,350.00	\$23,500.00
22	Main Bid		Curb Ramp Type D with Detectable Warning Tiles	EA	1	\$2,250.00	\$2,250.00
23	Main Bid		Trench Shoring	LS	1	\$5,000.00	\$5,000.00
24	Main Bid		Additional Bedding	CY	20	\$20.00	\$400.00
25	Main Bid		Temporary Resurfacing	TON	50	\$20.00	\$1,000.00
26	Main Bid		Imported Backfill	TON	50	\$25.00	\$1,250.00
27	Main Bid		Water Pollution Control Program Development	LS	1	\$500.00	\$500.00
28	Main Bid		Water Pollution Control Program Implementation	LS	1	\$1,500.00	\$1,500.00
29	Main Bid		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$5,000.00	\$5,000.00
30	Main Bid		Video Inspecting Pipelines and Culverts for Acceptance	LF	44505	\$9.35	\$415,576.75
31	Main Bid		Cleaning and Video Inspecting Pipelines and Culverts	LF	44505	\$0.65	\$28,928.25
32	Main Bid		Sewer Main Cleanout	EA	35	\$4,000.00	\$140,000.00
33	Main Bid		Rehabilitate 8-Inch Sewer Main	LF	44505	\$22.00	\$979,110.00
34	Main Bid		Point Repair for Existing 8-Inch Sewer Main	EA	60	\$1,750.00	\$105,000.00
35	Main Bid		Additional Point Repair for Existing 8-Inch Sewer Main	LF	100	\$75.00	\$7,500.00
36	Main Bid		Manholes (4 x 3) Replace in Place	EA	20	\$8,500.00	\$170,000.00
37	Main Bid		Rehabilitate Existing Manhole/Point Repair	EA	45	\$2,000.00	\$90,000.00
38	Main Bid		Replace-in-place 8-Inch Sewer Main	LF	775	\$150.00	\$116,250.00
39	Main Bid		Replace-in-place 4-Inch Sewer Lateral and Cleanout (Street)	EA	25	\$2,000.00	\$50,000.00
40	Main Bid		Sewer Lateral Connection	EA	25	\$500.00	\$12,500.00
41	Main Bid		Connection to Existing Manhole and Rechanneling	EA	5	\$1,800.00	\$9,000.00
42	Main Bid		Lateral Launch Video	EA	1000	\$90.00	\$90,000.00
43	Main Bid		Service Lateral Connection & Sealing	EA	1000	\$80.00	\$80,000.00
44	Main Bid		Rehabilitate Sewer Lateral (Up to 7-feet of Depth)	EA	650	\$1,725.00	\$1,121,250.00
45	Main Bid		Rehabilitate Sewer Lateral (Greater than 7-feet of Depth)	EA	350	\$1,725.00	\$603,750.00
46	Main Bid		Lateral Point Repairs	EA	10	\$2,500.00	\$25,000.00
						Subtotal	\$4,834,270.00
						Total	\$4,834,270.00

Name	Description	License Num	Amount	Type	Address	Address 2	City	State	Zip Code	Country
Kirk Paving, Inc.	Asphalt Repair, AC Overlay	749206	\$51,920.00	PQUAL,SLBE,CADIR	8722 Winter Gardens Blvd.		Lakeside	CA	92040	United States
Arthur G Ortiz Concrete Inc.	Curb Ramps, Concrete Pmnt, Remove/Replace	782096	\$217,335.00	LAT,MALE	po box 121177		chula vista	CA	91912	United States
Piperin Corporation	Main Line Open Cur, Lateral Cleanouts (partial)	964028	\$1,388,750.00	ELBE,PQUAL,CADIR	1185 Park Center Dr	Suite 5	Vista	CA	92081	United States
Easy Flow	Clean CCTV, Fnal CCTV, Lateral Launch, Latera	960845	\$724,505.00	CAU,MALE,ELBE,CADIR	14275 Crystal View Lane		Poway	CA	92064	United States

Self Performance
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