

City of San Diego

CONTRACTOR'S NAME: _____
ADDRESS: _____
TELEPHONE NO.: _____ FAX NO.: _____
CITY CONTACT: Damian Singleton, Contract Specialist, Email: Dsingleton@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633
J. Myers / R Taleghani / LJI

CONTRACT DOCUMENTS



FOR

PIPELINE REHABILITATION AB-1

VOLUME 1 OF 2

BID NO.: _____ **K-15-1218-DBB-3-C**
SAP NO. (WBS/IO/CC): _____ **B-13222**
CLIENT DEPARTMENT: _____ **2011**
COUNCIL DISTRICT: _____ **6**
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 29, 2015
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101

ENGINEER OF WORK

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

JS
For City Engineer

12-4-14
Date

Seal



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CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracts at the location, time, and date shown on the cover of these specifications for performing work on **PIPELINE REHABILITATION AB-1** (Project).
2. **SUMMARY OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described in ATTACHMENT A.
3. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
4. **SUBCONTRACTING PARTICIPATION PERCENTAGES:**
 - 4.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	5.1%
2. ELBE participation	10.2%
3. Total mandatory participation	15.3%
 - 4.2. The Bidders are strongly encouraged to attend the Pre-Bid Meeting to better understand the Good Faith Effort requirements of this contract. See the City's document titled "SLBE Program, Instructions For Bidders Completing The Good Faith Effort Submittal" available at: <http://www.sandiego.gov/eoc/>
 - 4.3. The Bid will be declared **non-responsive** if the Bidder fails the following mandatory conditions:
 - 4.3.1. Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR.

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

4.4. For additional Funding Agency Equal Opportunity Contracting Program requirements and provisions, see Attachment D.

5. PRE-BID MEETING:

5.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, pre-qualification process, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracts, Conference Room at 1010 Second Avenue, 14th Floor, San Diego, CA 92101 at **10:00 A.M., on January 6, 2015.**

5.2. All potential bidders are encouraged to attend.

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

6. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

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

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

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

7. JOINT VENTURE CONTRACTORS: Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, "Joint Venture Contractors" in The WHITEBOOK for details.

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

- 8.1. Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
- 8.2.** Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
- 8.3.** The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
- 8.4. Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed.
- 8.5. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 8.6. 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 shall be held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.

- 8.7. Working Hours.** Contractor and subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 8.8. 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, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 8.9. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that “I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers’ compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract.”
- 8.10. Labor Compliance Program.** The City has its own Labor Compliance Program as authorized 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.

9. INSURANCE REQUIREMENTS:

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

10. PREQUALIFICATION OF CONTRACTORS:

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

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

- 10.2.** The completed questionnaire, financial statement, and bond letter or a copy of the contractor’s SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Contracts, Prequalification

Program, 1010 Second Avenue, 14th Floor, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.

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

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

- 12. CITY'S RESPONSES AND ADDENDA:** The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda on the form provided for this purpose in the Bid.
- 13. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- 14. CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2.
- 15. SUBMITTAL OF “OR EQUAL” ITEMS:** See Section 4-1.6, “Trade Names or Equals” in The WHITEBOOK and as amended in the SSP.

16. AWARD PROCESS:

- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.

17. SUBCONTRACT LIMITATIONS: The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.

18. AVAILABILITY OF PLANS AND SPECIFICATIONS: Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.

19. SUBMISSION OF QUESTIONS:

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

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

OR:

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

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

- 20. ELIGIBLE BIDDERS:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 21. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms with the Notice Inviting Bids and Contract forms.
- 22. PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 22.1.** Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
- 22.2.** The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 22.3.** Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- 22.4.** Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.
- 23. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 23.1.** With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.
- 23.2.** The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.

23.3. A Bid received without the specified bid security will be rejected as being **non-responsive**.

24. AWARD OF CONTRACT OR REJECTION OF BIDS:

24.1. This contract may be awarded to the lowest responsible and reliable Bidder.

24.2. Bidders shall complete the entire Bid schedule (also referred to as “schedule of prices” or Proposal form). Incomplete price schedules will be rejected as being non-responsive.

24.3. The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.

24.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.

24.5. A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written “Notice of Intent to Protest” including supporting documentation which shall be received by Public Works Contracts no later than 10 days after the City’s announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsive in accordance with San Diego Municipal Code Chapter 2, § 22.3029, “Protests of Contract Award.”

24.6. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.

24.7. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.

24.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2.

25. BID RESULTS:

25.1. The Bid opening by the City shall constitute the public announcement of the Apparent Low Bidder. In the event that the Apparent Low Bidder is subsequently deemed non-responsive or non-responsible, a public announcement will be posted in the City’s web page <http://www.sandiego.gov/cip/index.shtml>, with the name of the newly designated Apparent Low Bidder.

- 25.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

26. THE CONTRACT:

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

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

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

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

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

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

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

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

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

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

29. PRE-AWARD ACTIVITIES:

29.1. The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in "Required Documents," of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.

29.2. If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

30. PHASED FUNDING:

For additional Phased Funding Provisions, see Attachment B.

31. REQUIRED DOCUMENT SCHEDULE:

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

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

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

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 3 WORKING DAYS OF BID OPENING	ALL BIDDERS	SLBE Good Faith Efforts Documentation
9.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA60 – List of Work Made Available
10.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
11.	PRIOR TO PRE-CONSTRUCTION MEETING	LOW BIDDER	Contractor's Experience and Past Project Documentation. See Sections 500 and 700
12.	PRIOR TO PRE-CONSTRUCTION MEETING	LOW BIDDER	<ul style="list-style-type: none"> Manufacturer Certification per Section 500-1.1.2.1
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Phased Funding Schedule Agreement (when required)
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Pre-Award Schedule (Phased Funded Contracts Only)
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER	APPARENT	Names of the principal individual owners

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

**CONTRACT FORMS
AGREEMENT**

CONTRACT FORMS

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and SOUTHWEST PIPELINE AND TRENCHLESS CORPORATION, herein called "Contractor" for construction of Pipeline Rehabilitation AB-1 Bid No. K-15-1218-DBB-3-C in the amount of FOUR MILLION FIVE HUNDRED THIRTY-SEVEN THOUSAND FIFTY-ONE DOLLARS AND 65/100 (\$4,537,051.65), which is comprised of the Base Bid alone.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement, Long Term Revegetation Maintenance Contract, Long-Term Warranty Contract.
 - (e) That certain documents entitled Pipeline Rehabilitation AB-1 on file in the office of the Public Works Department as Document No. B-13222, 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 AB-1, Bid Number K-15-1218-DBB-3-C, San Diego, California
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.


CONTRACT FORMS (continued)

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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM AND LEGALITY

Jan I. Goldsmith, City Attorney

By 

By 

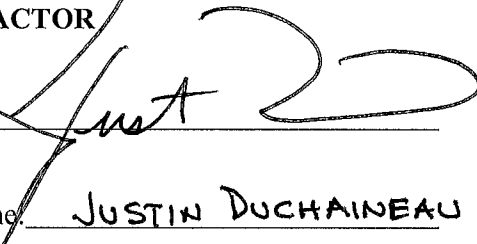
Print Name: _____
Stephen Samara
Principal Contract Specialist

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

Date: 4/14/15

Date: 4/14/15

CONTRACTOR

By 

Print Name: JUSTIN DUCHAINEAU

Title: PRESIDENT

Date: 2-23-2015

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

**CONTRACT FORMS
ATTACHMENTS**

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

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

SOUTHWEST PIPELINE AND TRENCHLESS CORPORATION, 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 FIVE HUNDRED THIRTY-SEVEN THOUSAND FIFTY-ONE DOLLARS AND 65/100 (\$4,537,051.65) for the faithful performance of the annexed contract, and in the sum of FOUR MILLION FIVE HUNDRED THIRTY-SEVEN THOUSAND FIFTY-ONE DOLLARS AND 65/100 (\$4,537,051.65) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract **Pipeline Rehabilitation AB-1**, Bid Number **K-15-1218-DBB-3-C**, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

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

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

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

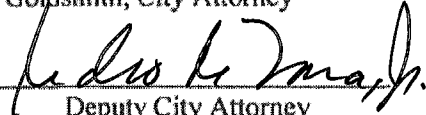
Dated February 18, 2015

Approved as to Form and Legality


Southwest Pipeline and Trenchless Corp.
Principal

By 
JUSTIN DUCHAINEAU
Printed Name of Person Signing for Principal


Jan I. Goldsmith, City Attorney

By 
Deputy City Attorney

LibertyMutual Insurance Company
Surety

By 
Maria Pena, Attorney-in-fact

Approved:

By 
Stephen Samara
Principal Contract Specialist

790 The City Drive South
Local Address of Surety

Orange, CA 92868
Local Address (City, State) of Surety

714-634-3311
Local Telephone No. of Surety

Premium \$ 33,627.00

Bond No. 024061502

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

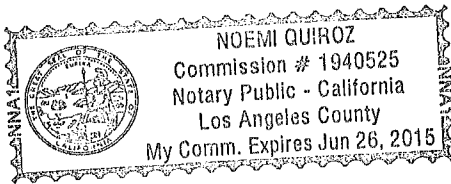
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

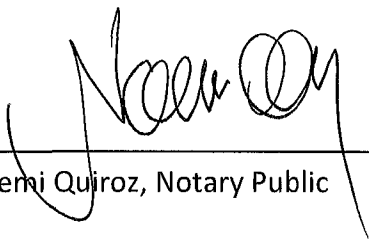
On FEB 18 2015, before me, Noemi Quiroz, Notary Public, personally appeared Maria Pena, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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, Notary Public

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

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6640670

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, C. K. Nakamura; E. S. Albrecht, Jr.; Lisa L. Thornton; Maria Pena; Noemi Quiroz; Tim M. Tomko

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of July, 2014.



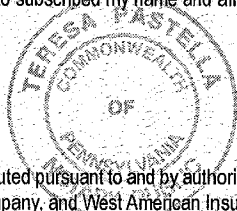
American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

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

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 14th day of July, 2014, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



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

By: Teresa Pastella
Teresa Pastella, Notary Public

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

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this _____ day of _____, 20_____.



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

FEB 18 2015

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

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

PROJECT TITLE: Pipeline Rehabilitation AB-1

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

SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

(Name under which business is conducted)

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

Signed 

Printed Name

JUSTIN DUCHAINEAU

Title

PRESIDENT

CONTRACTOR CERTIFICATION

**AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE
CERTIFICATION**

PROJECT TITLE: Pipeline Rehabilitation AB-1

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

SOUTHWEST PIPELINE AND

TRENCHLESS CORP.

(Name under which business is conducted)

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

Signed

Printed Name

Title

Justin Duchaneau

PRESIDENT

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Pipeline Rehabilitation AB-1

I declare under penalty of perjury that I am authorized to make this certification on behalf of _____, as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3224.

Dated this 23RD Day of FEBRUARY, 2015

Signed 

Printed Name

JUSTIN DUCHAINEAU

Title

PRESIDENT

AFFIDAVIT OF DISPOSAL

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

Pipeline Rehabilitation AB-1

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-15-1218-DBB-3-C** SAP No. (WBS/IO/CC) **B-13222** and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

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

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

Dated this _____ DAY OF _____, _____.

_____ Contractor

by

ATTEST:

State of _____

County of _____

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

Notary Public in and for said County and State

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** This project involves trenchless rehabilitation of approximately 8.00 miles of existing 8-inch deteriorated sewer mains. The project also 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, if needed. The contractor shall install the sewer main rehabilitation before any lateral work is done.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids, inclusive.
2. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$5,890,000.00**.
3. **LOCATION OF WORK:** See the Location Map attached as Appendix E.
4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **242 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 licenses at the time of Bid.
 - 5.1. The City has determined the following licensing classification(s) for this contract:

Option	Classification(s)
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

32. PHASED FUNDING:

- 32.1.** 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.
- 32.2.** 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.
- 32.3.** 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.
- 32.4.** 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.
- 32.5.** 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.
- 32.6.** 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

Check one:

- First Phased Funding Schedule Agreement
 Final Phased Funding Schedule Agreement

BID NUMBER: K-15-1218-DBB-3-C

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AB-1


CONTRACTOR: Southwest Pipeline & Trenchless Corporation

Funding Phase	Phase Description	Phase Start	Phase Finish	Phase Duration (Working Days)	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, Main Sewer Rehab, installation of top hats.	NTP	8/28/15		Sewer: \$1,361,115.50
2	Continue installation lateral clean-outs, rehabilitate/line laterals, Main Sewer Rehab, Top Hats, final inspection of laterals and Mains,, slurry seal/paving, concrete repair, Curb Ramps, and job close out.	8/31/15	10/27/16		Sewer: \$3,175,936.15
Total				242	\$4,537,051.65

Notes:

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

CITY OF SAN DIEGO

By: 

Name: Joe Myers
Project Manager

Department Name: PW

Date: 2/26/15

CONTRACTOR

By: 

Name: Luis Salcedo

Title: Project Manager

Date: 2/25/15

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

ATTACHMENT C
EQUAL OPPORTUNITY CONTRACTING PROGRAM

EQUAL OPPORTUNITY CONTRACTING PROGRAM

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

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

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

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

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

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

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

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

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

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

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

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

ATTACHMENT D
INTENTIONALLY LEFT BLANK

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

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

1-2 TERMS AND DEFINITIONS.

Normal Working Hours. To the City Supplement, ADD the following:

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

SECTION 2 - SCOPE AND CONTROL OF WORK

2-3.2 Self Performance. DELETE in its entirety and SUBSTITUTE with the following:

1. You must perform, with your own organization, Contract work amounting to at least 50% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.
2. The self performance percentage requirement will be waived for contracts when a “B” License is required or allowed.

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

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

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

The Product Submittal Form is available for download at:

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

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

Other adjacent City project(s) is (are) scheduled for construction for the same time period in the vicinity of Pipeline Rehab AB-1. See Appendix F for approximate location. Coordinate the Work with the adjacent project(s) as listed below:

- a) FY 15 Asphalt Overlay Group 1, Ikhlass Shamoun (619-527-7511)
- b) FY 16 Asphalt Overlay Group 1, Ikhlass Shamoun (619-527-7511)
- c) Water Group Job 936, Daniel Tittle (619-533-7468)
- d) Pipeline Rehabilitation Phase "F-2", Parita Ammerlahn (619-533-4162)
- e) Mount Alifan Drive, Mario Reyes (619-533-4162)
- f) Tecolote Canyon TS, Stephanie Pang (858-292-6428)
- g) Sewer Lateral Rehabilitation J-2, Maryam Liaghat (619-533-5192)

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) [Doliva Dr from Kesling St to Clairemont Mesa Bl] from [6/18/2012] to [6/18/2015] (inclusive).
- b) [Mt Herbert Ave from Genesee Ave to Mt Laudo Dr] from [4/19/2010] to [4/19/2015] (inclusive).
- c) [Mt Etna Dr from Mt Herbert Ave to Mt Castle Ave] from [4/19/2010] to [4/19/2015] (inclusive).
- d) [Genesee Ave from Bannock Ave to Chateau Dr] from [8/16/2013] to [8/16/2018] (inclusive).
- e) [Doliva Dr from Triana St to Limerick Ave] from [6/19/2012] to [6/19/2015] (inclusive).
- f) [Clairemont Mesa Bl frontage road from Clairemont Dr to Rolfe Rd] from [12/20/2010] to [12/20/2015] (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.

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You must provide at your expense or require Subcontractor to provide, as described below Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.
2. All costs of defense must be outside the limits of the policy. The deductible must not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you must be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
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. Occurrence based policies must be procured before the Work commences and must be maintained for the duration of this contract. Claims Made policies must be procured before the Work commences, must be

maintained for the duration of this contract, 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 under this contract without advancing the retroactive date.

5. 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.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 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.

7-3.5.4.2 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.

7-3.5.4.3 Severability of Interest. For Contractors Hazardous Transporters 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 LIASON. To the City Supplement, DELETE in its entirety and SUSBTITUTE with the following:

ADD:

7-16 COMMUNITY OUTREACH.

7-16.1 General.

1. To ensure consistency with the City's community outreach plan for the project, the City will work with the Contractor to inform the public (which includes, but is not limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Efforts by the Contractor to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. The Contractor will perform the community outreach activities required throughout the Contract Time.
3. The Contractor shall closely coordinate the Work with the businesses, institutions, residents and property owners impacted by the Project. Example duties of the Contractor include notification to the businesses, institutions and residents of the commencement of construction activities not less than 5 days in advance, coordination of access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project, reporting of Contractor activities at all Project progress meetings scheduled by the Engineer, attendance to the Project Pre-construction Meeting, attendance at 2 community meetings, response to community questions and complaints related to Contractor activities, and written documentation including logging in all inquiries and complaints received into the City's Public Contact Log located on the City's SDSShare site:

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

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

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

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

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

All graphics, photos, and other electronic files associated with the inquiries and or complaints shall be saved into the individual record.
6. **When specified**, present your Exclusive Community Liaison to the Engineer, in writing, within 15 days of the award of the Contract.

7-16.2 Submittals.

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

7-16.3 Public Notice by Contractor.

1. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets where Work is to be performed at least 5 days before starting the Work as directed by the Resident Engineer.
2. For all Work on private property, contact each owner and occupant individually a minimum of 15 days prior to the Work. If the Work has been delayed, re-notify owners and occupants of the new Work schedule, as directed by the Resident Engineer.

7-16.4 Quality Assurance.

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

7-16.5 Communications with the Public.

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

7-16.6 Communications with Media.

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

7-16.7 Exclusive Community Liaison Services.

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

1. Develop a contact list of community, tenants, property owners, and agencies with a stake in the project.
2. Notify businesses, institutions, property owners, and residents of the commencement of construction activities and utility service interruptions not less than 5 days in advance.
3. Coordinate access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project.
4. Prepare and present of materials in coordination with the Resident Engineer (the City's standards and guidelines for the communication materials are available for review by Bidders by sending a request to the Contract Specialist).

5. Respond to community questions and complaints related to Contractor activities.
6. Write, edit, update, or produce brochures, pamphlets and news releases.
7. Provide standard telephone inquiries and e-mail responses:
 - a) Respond to telephone calls and e-mails from the public.
 - b) Record calls and e-mails on the City's SDSshare site.
8. Report Exclusive Community Liaison activities at all progress meetings scheduled by the Resident Engineer.
9. Attendance at pre-construction, community and stakeholders meetings.

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

7-16.8 Payment. The Payment for the community outreach and public notices is included in the various Bid items. The payment for exclusive community liaison is in the bid item for "Exclusive Community Liaison Services" when provided as a separate Bid item." If no Bid item has been provided the payment 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**.

207-27 FUSIBLE NON-PRESSURE POLYVINYLCHLORIDE PIPE. DELETE in its entirety.

SECTION 300 – EARTHWORK

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

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

SECTION 302 – ROADWAY SURFACING

302-3 Preparatory Repair Work. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

302-3 Preparatory Repair Work.

1. Prior to roadway resurfacing or the application of slurry, the Contractor shall complete all necessary preparation and repair work to the road segment e.g., tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc. and as specified in the Special Provisions.
2. Preparatory work shall include, but not be limited to, tree trimming, weed spray, weed abatement, crack sealing, asphalt repair i.e., mill and pave, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc.

3. The Contractor shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2” for Residential streets, and a minimum depth of 3” for all others to expose firm and unyielding pavement. The Contractor shall prepare subgrade as needed and install a minimum of 2” for residential streets, and a minimum of 3” for all others, of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
4. If, in order to achieve the minimum specified depth, the base material is exposed, the material shall be compacted to 95% relative compaction to a depth 10” below the finished grade (dig out). Compaction tests shall be made to ensure compliance with the specifications. The Engineer will determine when and where the test will occur. The City will pay for the soils testing required by the Engineer, which meets the required compaction. The Contractor shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, the Contractor shall use Class 2 Aggregate Base in accordance with 400-2.4, “Class 2 Aggregate Base.”
5. Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, “Class 2 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 400-2.4, “Class 2 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 Sub-grade 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

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
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.

306-22 PIPE FUSION. DELETE in its entirety.

SECTION 500 – PIPELINE

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

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

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

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

500-1.1.9 Measurement and Payment. Third Paragraph, DELETE in its entirety.

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

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

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

ADD:

500-1.6 Service Lateral Rehabilitation.

500-1.6.1 General.

- a) The rehabilitation shall be accomplished using a fabric or fiberglass tube of particular length and a thermoset resin with physical and chemical properties appropriate for the application without excavation and disturbing surface improvements. The tube is vacuum impregnated with the resin. Access to an upstream end of the service lateral is made by excavation in the public right of way. Installation of the resin-impregnated tube into the service lateral may be performed either by Type A inversion in accordance with ASTM F1216 or by Type B pull-in in accordance with ASTM F 1743, and may be performed from either the mainline or the excavated end of the lateral.
- b) The cured-in-place liner shall extend the entire length of the lateral from the access point to the mainline. The liner shall be extended sufficiently to create a water tight seal at the main and the liner interface. Once the tube or resin composite is cured, the installation equipment shall be removed and the protruding end in the collector shall be cut using a robotic cutting device. A sewer cleanout in accordance with the Standard Drawing SDS-102 "Sewer Lateral Cleanout (In Driveway, Paved Alley, Sidewalk, or Other Area Subject to Traffic)" or SDS-103 "Sewer Lateral Cleanout Outside Traveled Way" shall be installed at the access point and properly backfilled.

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

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

500-1.6.2 Material.

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

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

- a) The Property Owner of the lateral being reconstructed shall be informed, and the flow stopped, for the period of reconstruction work.
- b) The Contractor shall excavate an access pit at the appropriate upstream point on the service lateral in accordance with the reconstruction length determined by the Engineer.
- c) The Contractor shall always clean and color video the lateral line immediately prior to reconstruction and determine the structural condition of the pipeline. Roots, debris, and protruding service connections shall be removed prior to reconstruction.
- d) The tube shall be inspected for torn or frayed sections. The tube in good condition shall then be vacuum impregnated with the thermoset resin.
- e) No open pans or uncontrolled open-air pouring of resin shall be allowed during tube saturation. Resin shall be contained within the inflation bladder during vacuum impregnation and insertion. The Contractor shall ensure that no public property is exposed to contamination by liquid resin compounds or components.
- f) The saturated tube along with the inflation bladder shall be inserted into the installation equipment and the end closed. The entire installation equipment shall be placed in the pipe access pit and aligned with the exposed end of the pipe.
- g) The resin and tube shall be completely protected during the placement. The resin shall not be contaminated or diluted by exposure to dirt, debris, or water during the placement.
- h) The tube shall be installed from the installation equipment by controlled air, water or steam pressure as in accordance with manufacturer instructions. The installation shall be stopped when the tube extends the entire length of the lateral section to be lined. The tube is held tightly in place against the wall of the host pipe by the pressure until the cure is complete.

- i) When the curing process is complete, the pressure is released and the inflation bladder reverted back into the installation equipment and removed from the pit.
- 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 Work 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 final televising of the service laterals shall be included in the payment for lateral rehabilitation.
- 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 AB-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
OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121

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

PROJECT NO.: WBS# B-13222.02.06

PROJECT TITLE: PIPELINE REHABILITATION AB-1

PROJECT LOCATION-SPECIFIC: In the developed public right-of-way along the following streets: Hiawatha Way, Clairemont Drive, Clairemont Mesa Blvd., Manitou Way, Frink Ave., Boise Ave., Bannock Ave., Sauk Ave., Acoma Ave., Shoshoni Ave., Chicksaw Ct., Chinook Ct., Carib Ct., Winnebago Ave., Mt. Plata Place, Mt. Plata Ct., Mt. Plata Dr., Mt. La Paloma Dr., Mt. Herbert Ave., Mt. Harris Dr., Mt. Hay Dr., Mt. Gaywas Dr., Mt. Frissell Dr., Mt. Lindsey Ave., Mt. Lindsey Place, Mt. Henry Ave., Mt. King Dr., Mt. Etna Dr., Mt. Foraker Ave., Mt. Elbrus Dr., Mt. Elbrus Ct., Mt. Davis Ave., Mt. Everest Blvd., Umerick Way, Paola Way, Castleton Way, Limerick Ave., Castleton Dr., Doliva Dr., Vergara St., Paola Pl., Lyric Lane, Livering Lane, Limerick Way, Kesling St. It will also occur in the alley between Kesling St. and Clairemont Mesa Blvd., in the backyards of residences located between Onate Ave. and Doliva Dr., and between Mt. Plata Dr. and Chateau Dr. This project is located in the Clairemont Mesa community plan area, in Council Districts 2 and 6.

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

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: This project will rehabilitate 40,190 linear feet of existing 8" diameter vitrified clay sewer pipeline, and perform 5000 linear feet of point repairs. The rehabilitation will be performed by pulling linings through the pipelines between manholes and then sealing the linings to the interior surfaces with heated air. The stretches of rehabilitation that are outside of the public right-of-way are located in urban developed areas, and construction crews will hand carry their tools to those manholes. The point repairs will replace existing pipeline with 8" diameter poly vinyl chloride pipe, and will only occur in the developed public right-of-way in existing trenches in previously disturbed soils. Associated appurtenances include installation of new manholes in the developed public right-of-way. The manhole installation would require excavation of up to 7 feet deep in previously undisturbed soils. The project would use approximately 10,000 square feet of paved public right-of-way as the staging area.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, E&CP Dept/Joe Myers 525 B Street, Suite 750 (MS 908A) San Diego, CA 92101 (619) 533- 6632

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
(X) CATEGORICAL EXEMPTION: §15301(b) [Existing Facilities] & §15302(c) [Replacement or Reconstruction]

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review and determined the project meets the categorical exemption criteria set forth in the CEQA State Guidelines §15301(B) [EXISTING FACILITIES], which allows for the repair and maintenance of existing public facilities, including publicly owned sewerage utilities, involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination; and §15302(C) [REPLACEMENT OR RECONSTRUCTION], which allows for the replacement or reconstruction of existing utility systems, where the new structure 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.

LEAD AGENCY CONTACT PERSON: JEFF SZYMANSKI

TELEPHONE: (619) 446-3402

IF FILED BY APPLICANT:

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

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

Signature of Jeff Szymanski, Senior Planner

CHECK ONE: (X) SIGNED BY LEAD AGENCY CLERK OR OPR:

6/24/2019 DATE

DATE RECEIVED FOR FILING WITH COUNTY

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.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
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2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

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

Process for Issuance

- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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

APPENDIX E

Location Map

Pipeline Rehabilitation AB-1

SHEET 1 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

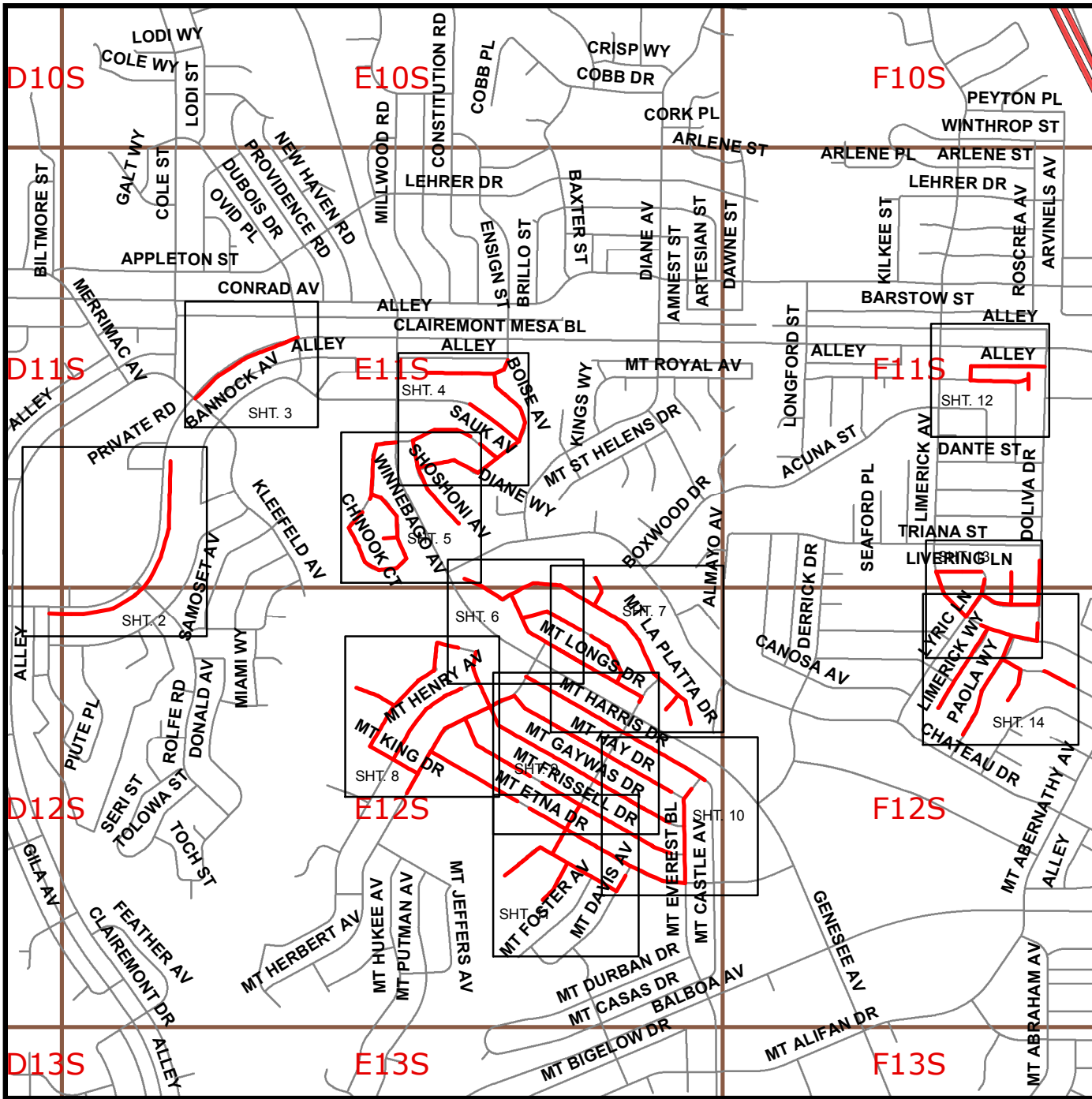
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

Rehab Main



COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Claremont Mesa
Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec. 2014)

Date: December 03, 2014

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Pipeline Rehabilitation AB-1

SHEET 2 OF 14

SENIOR ENGINEER
LUIS SCHAAR
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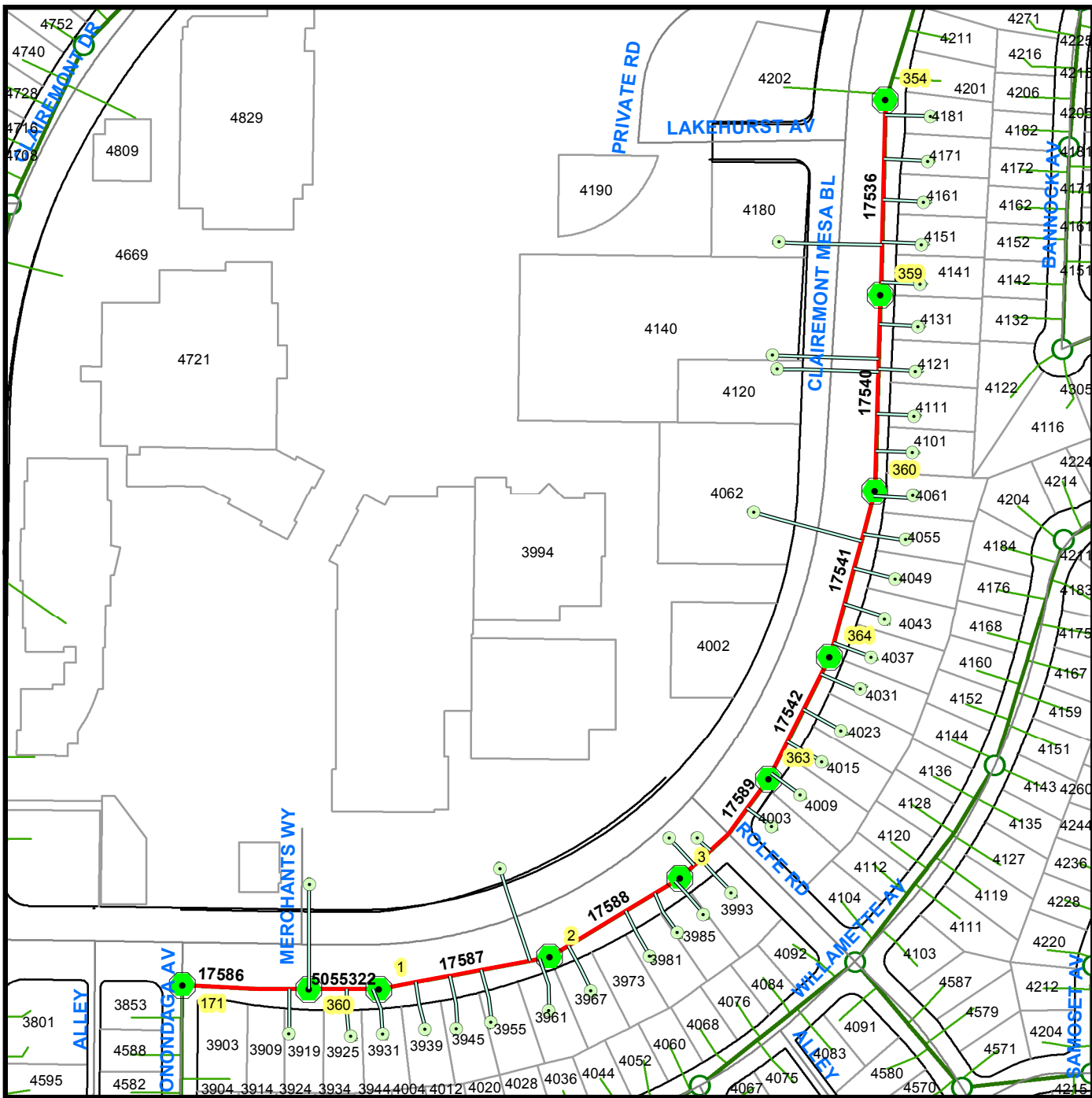
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec 2014), 1248 1E, 1248 2E

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 3 OF 14

SENIOR ENGINEER
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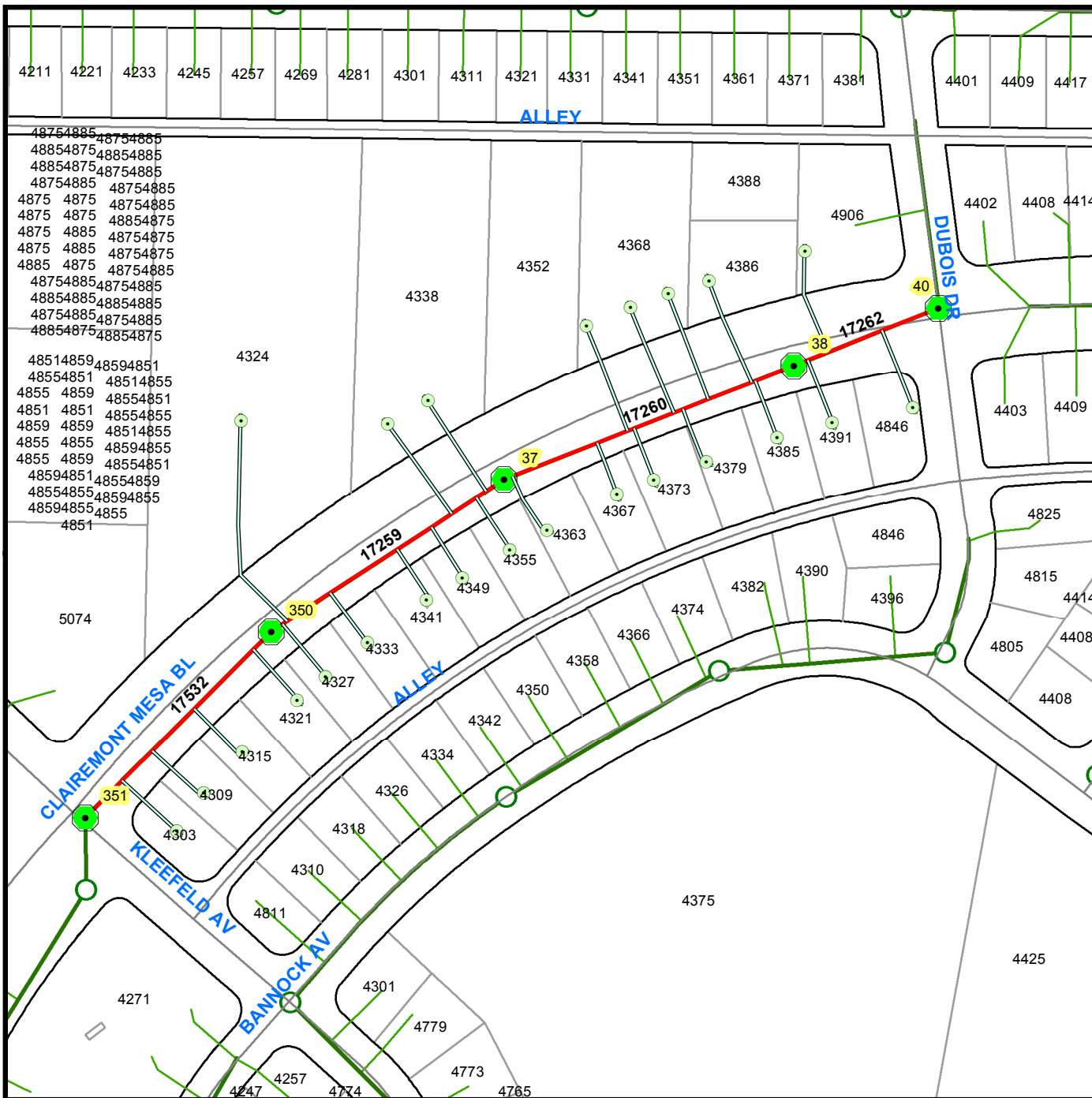
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale



COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec. 2014), 1248 1F

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 4 OF 14

SENIOR ENGINEER
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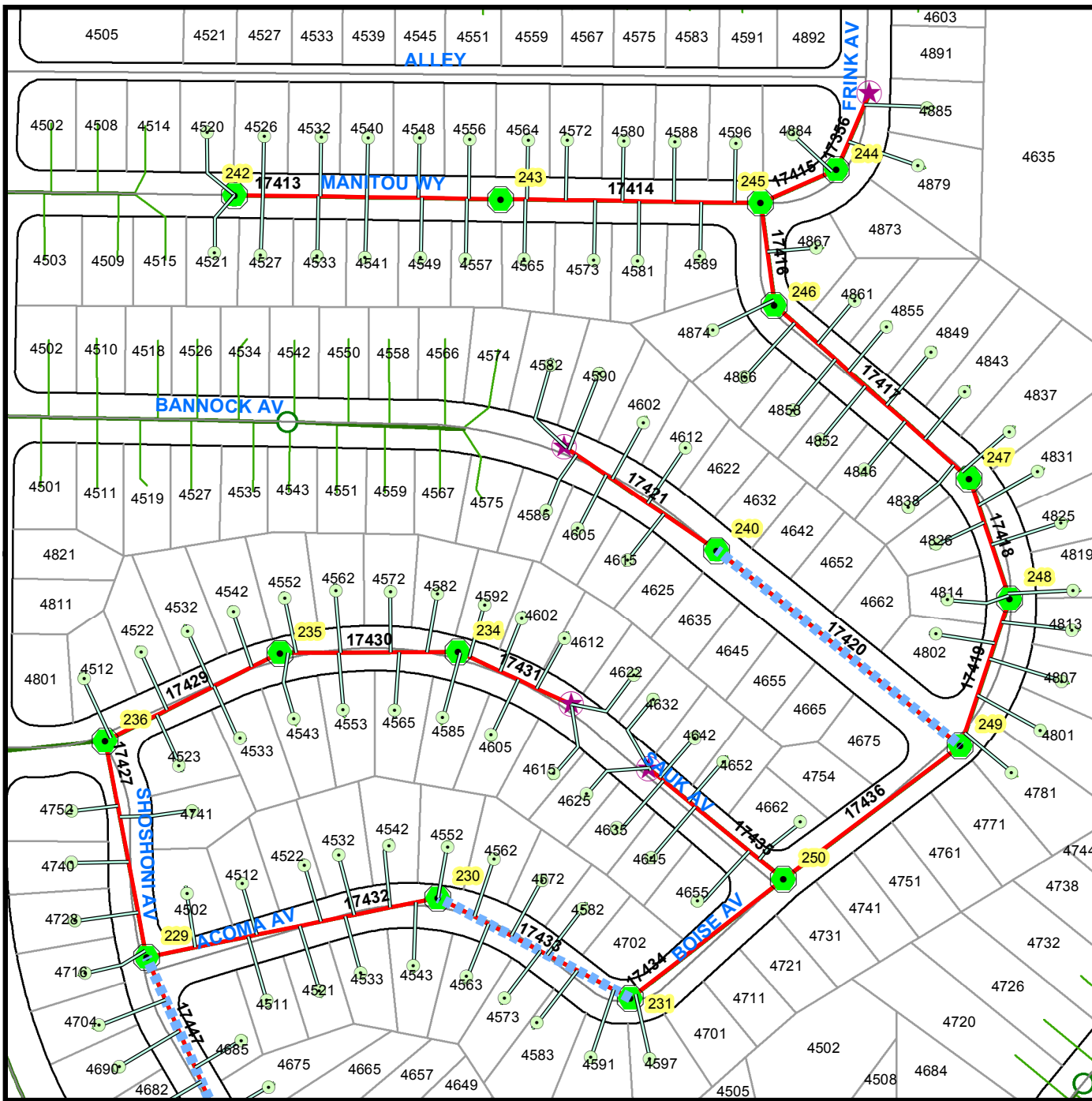
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 102 (Rev. Dec 2014)

Date: February 25, 2014



Pipeline Rehabilitation AB-1

SHEET 5 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

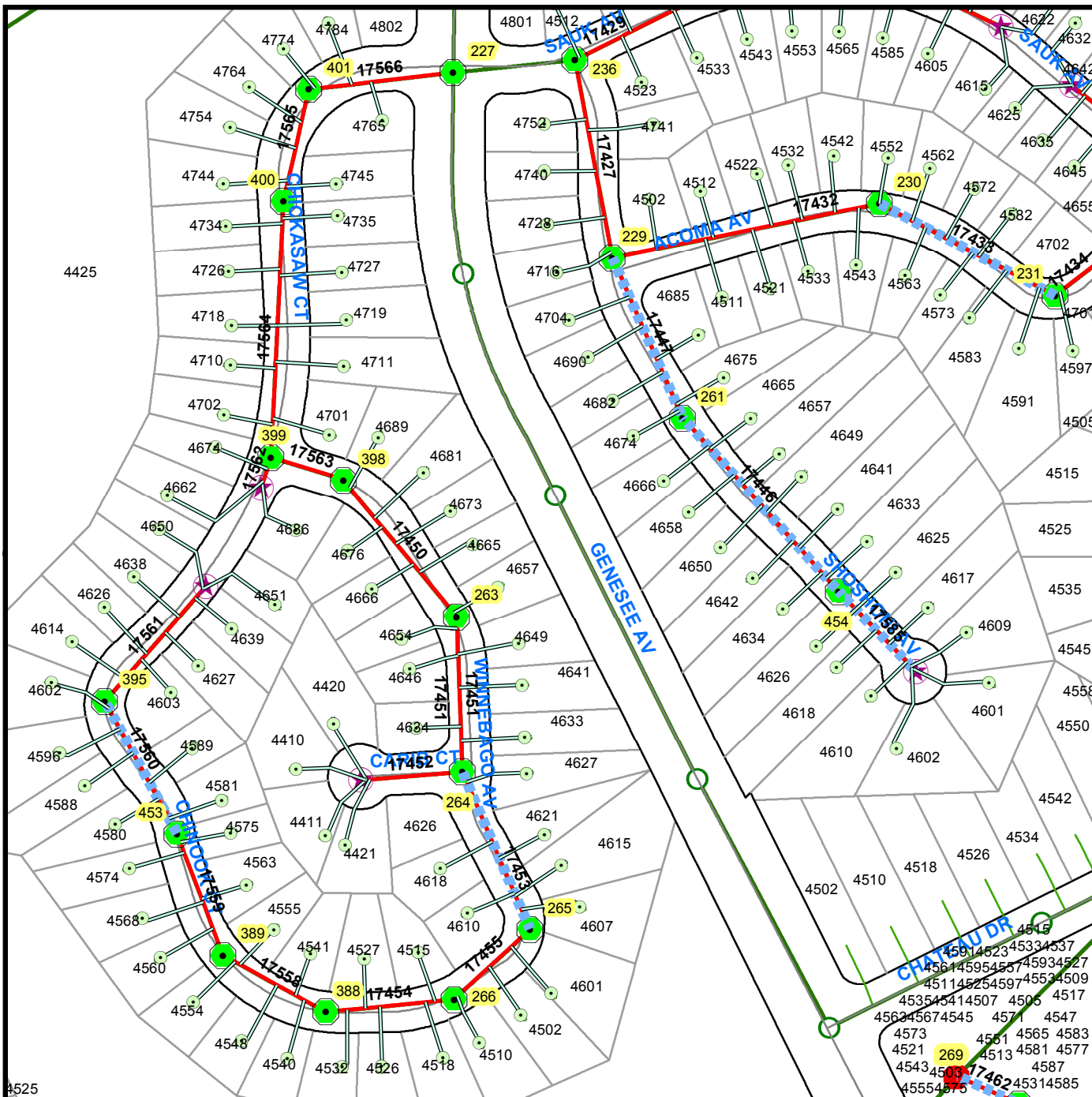
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 102 (Rev. Dec 2014)

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 6 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

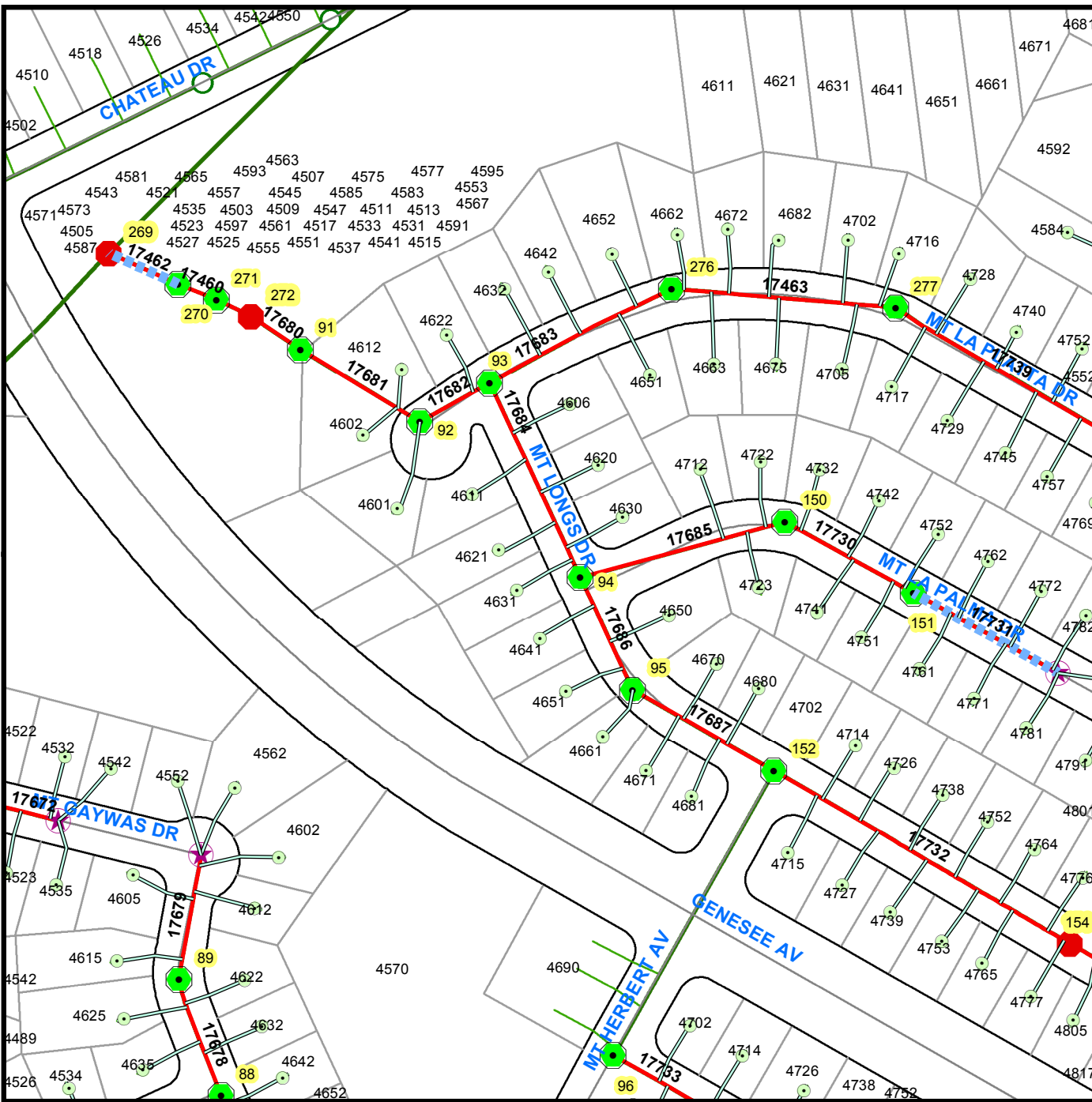
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

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Pipeline Rehabilitation AB-1

SHEET 7 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

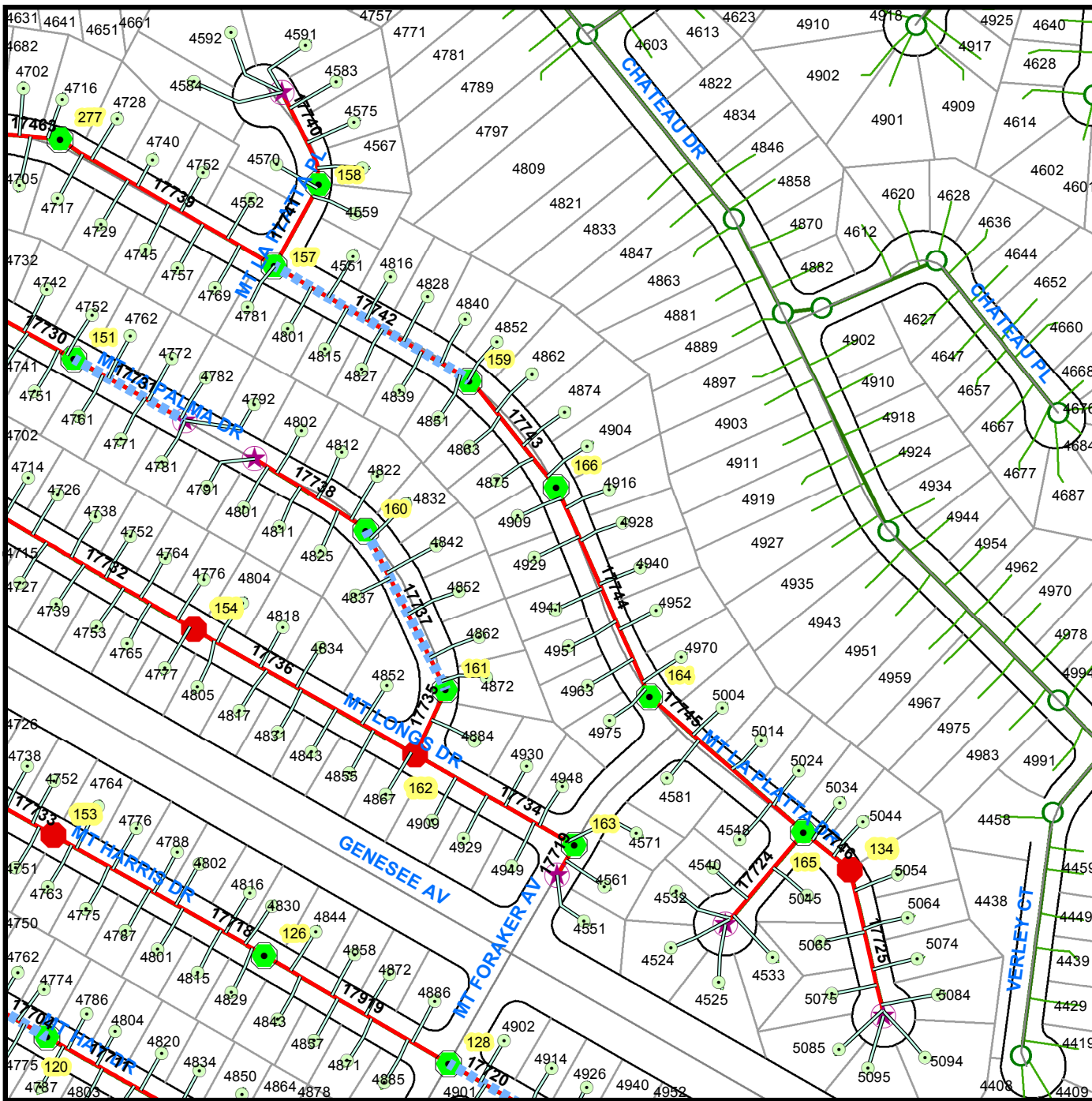
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
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- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 102 (Rev. Dec. 2014)

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 8 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

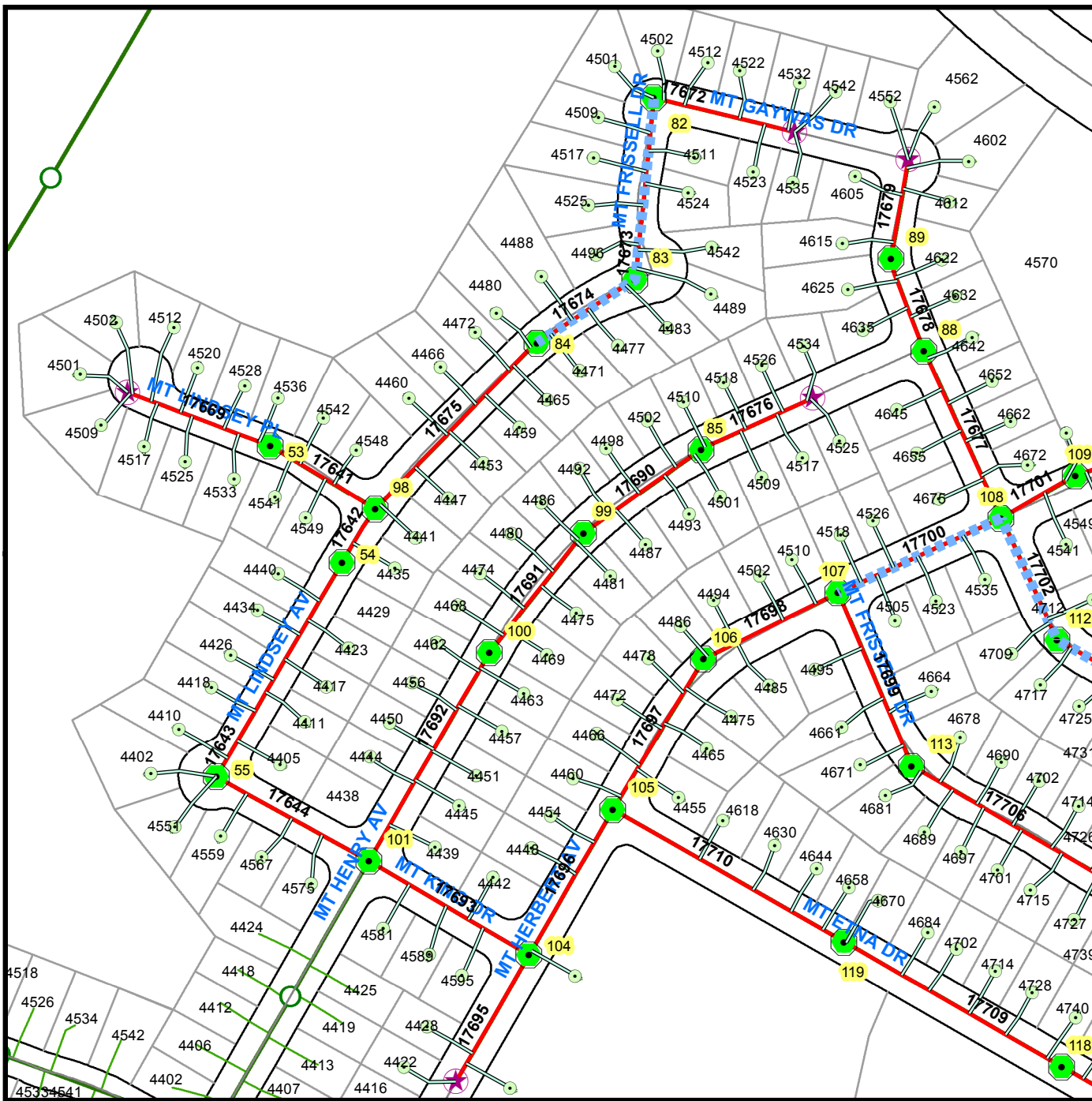
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
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- Cleanouts
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COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairmont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec 2014)

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 9 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

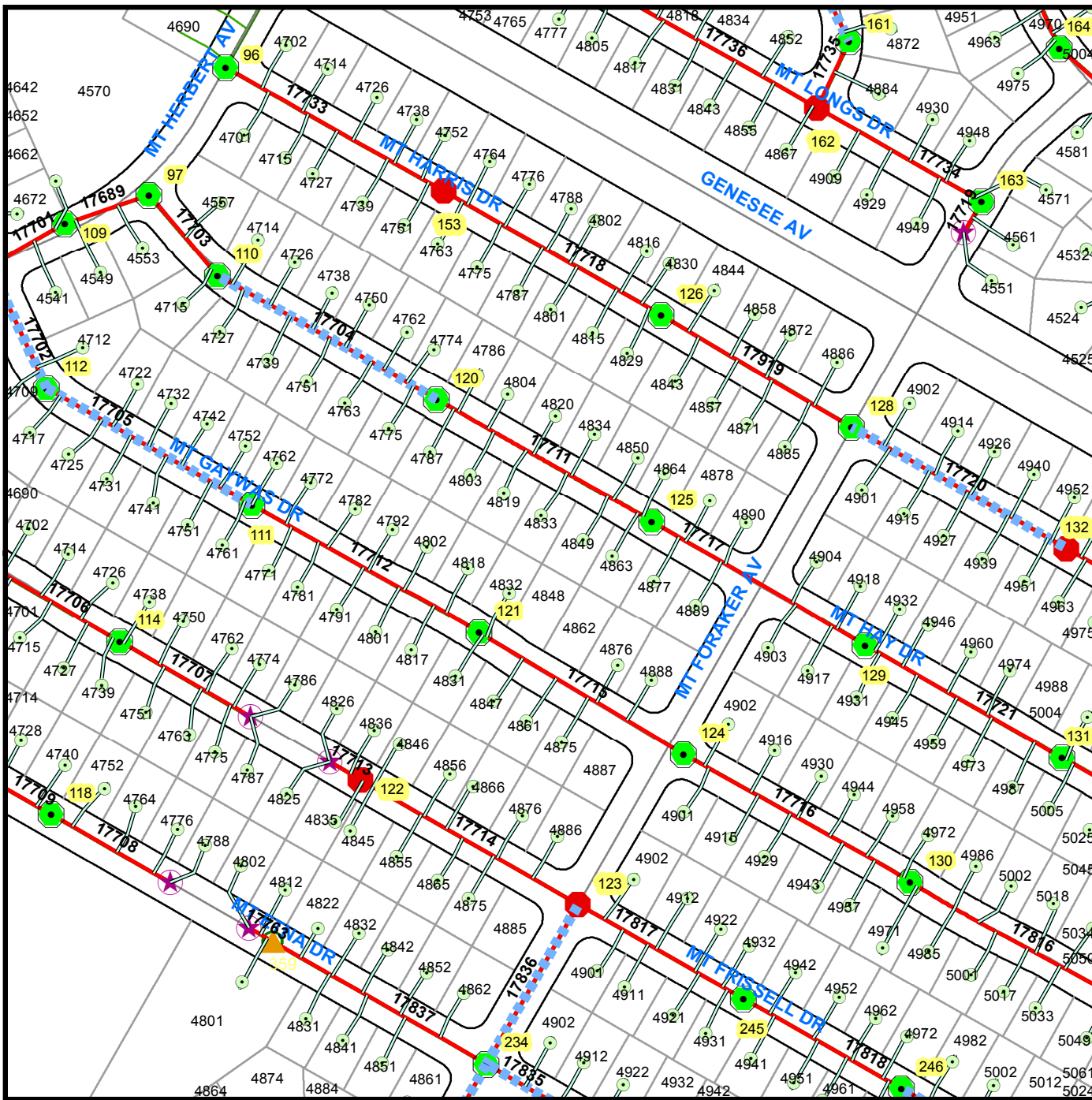
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

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- Pt. Repair/Rehab Main
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- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 102 (Rev. Dec 2014) THOMAS BROS. 1248 2F, 1248 2G

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Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 10 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

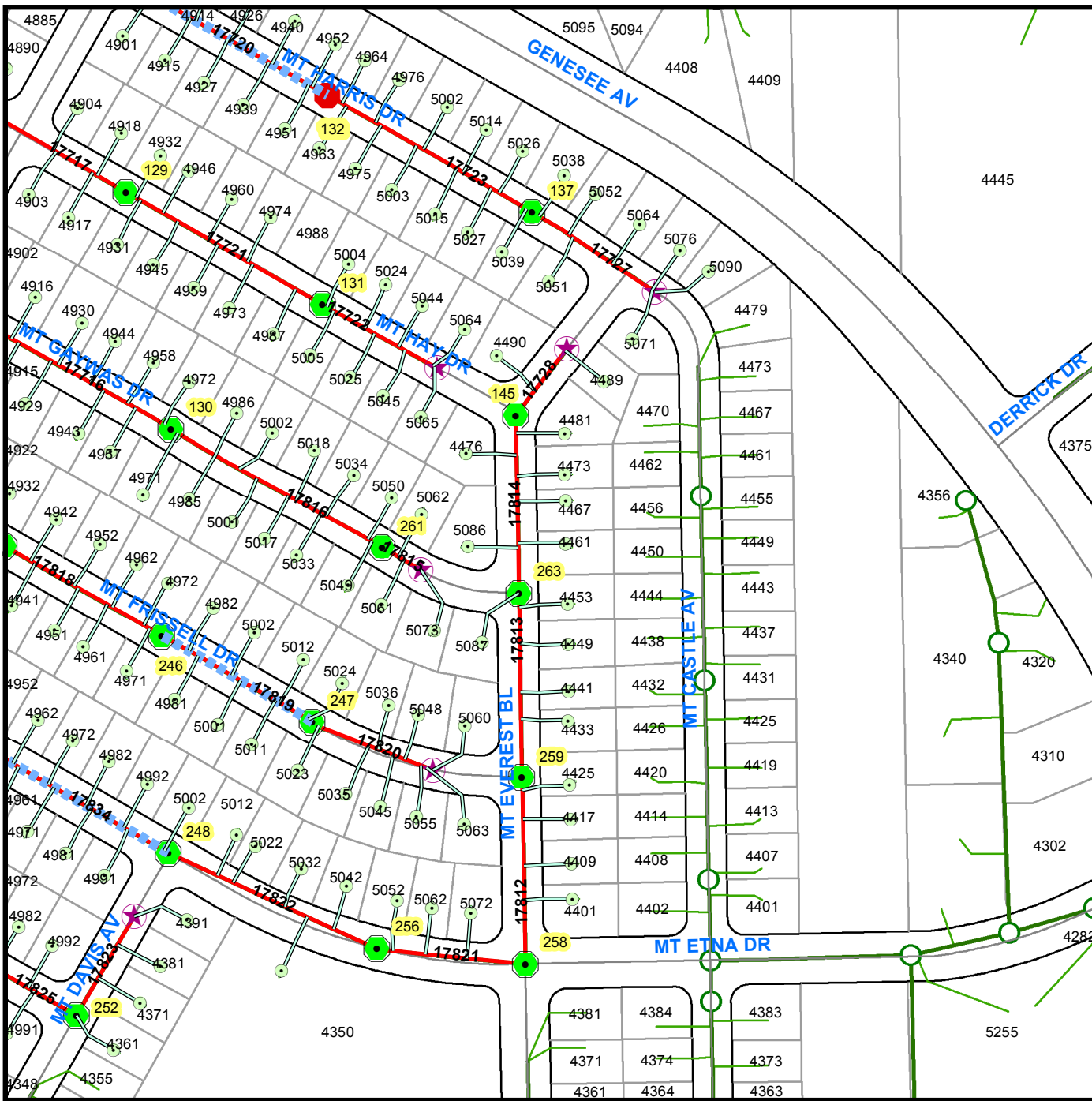
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 102 (Rev. Dec 2014), 1248 2G, 1248 3G

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 11 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

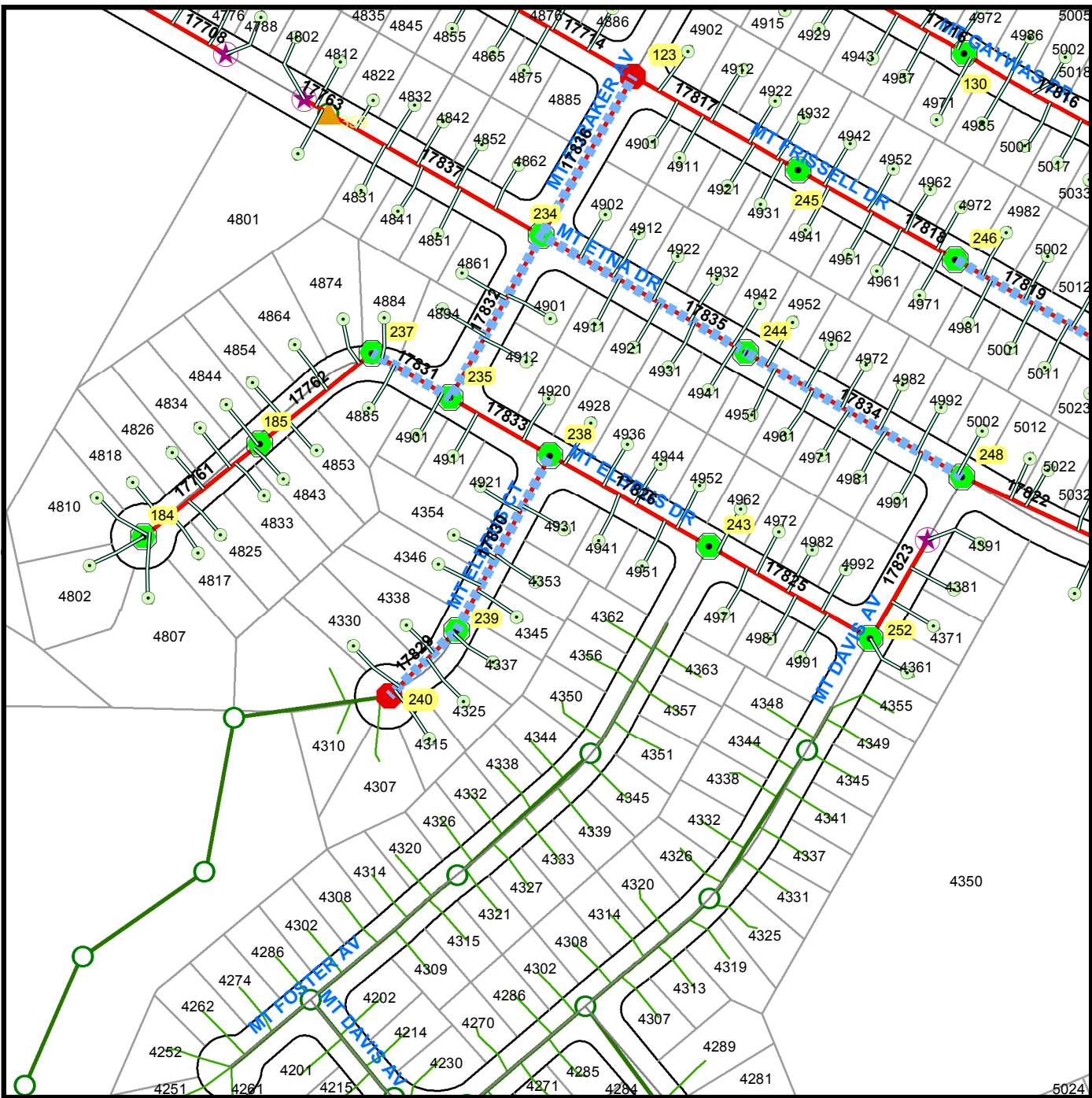
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- Replace Manhole
- Inspect Manhole
- Laterals
- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

THOMAS BROS. 1248 2F, 1248 3F, 1248 2G, 1248 3G

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Pipeline Rehabilitation AB-1

SHEET 12 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

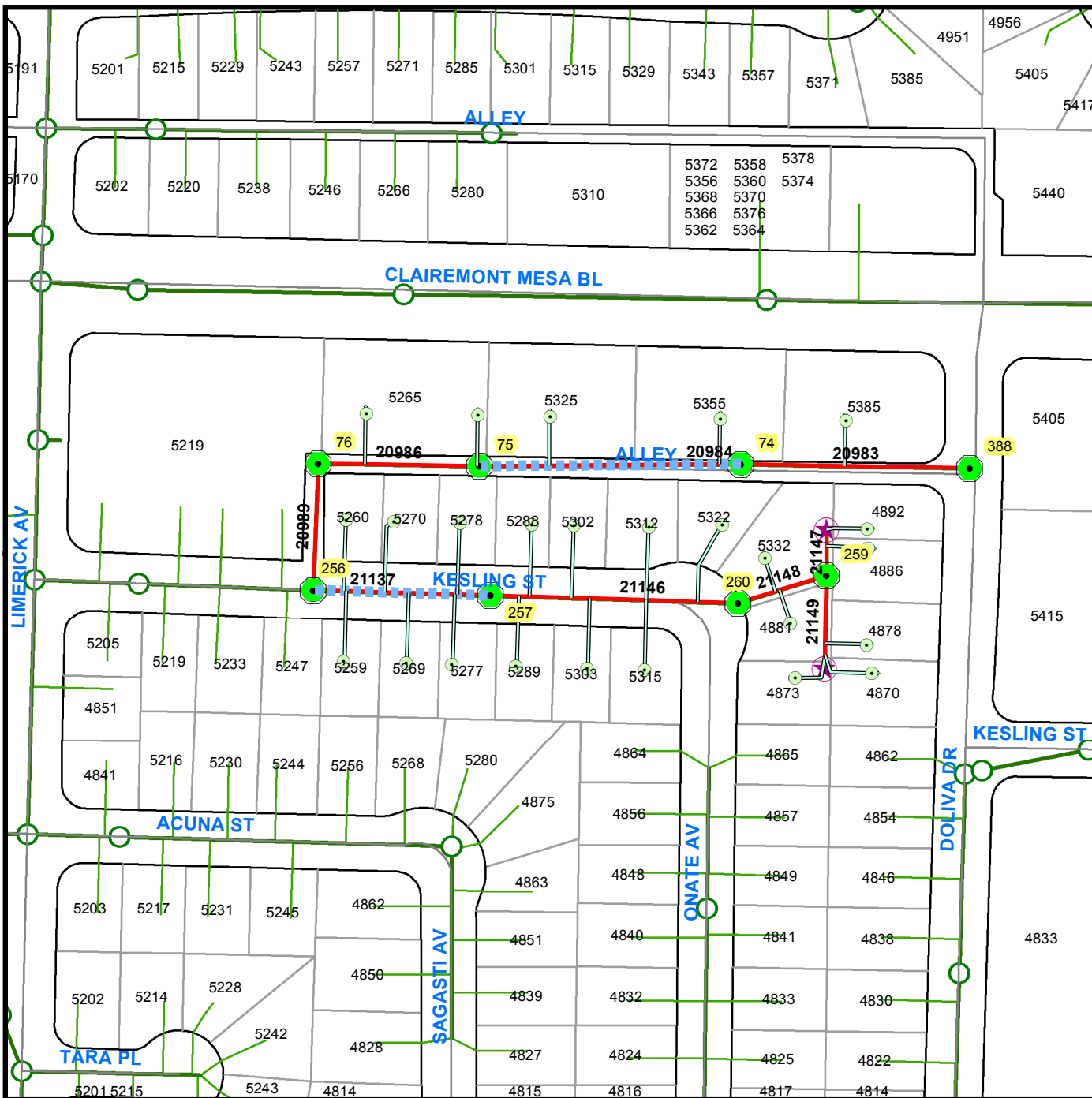
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
- Pt. Repair/Rehab Main
- Rehab Manhole
- ⊠ Replace Manhole
- Inspect Manhole
- Laterals
- ▲ Repair Manhole
- ★ Cleanouts
- No Scale



COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec 2014)

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 13 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

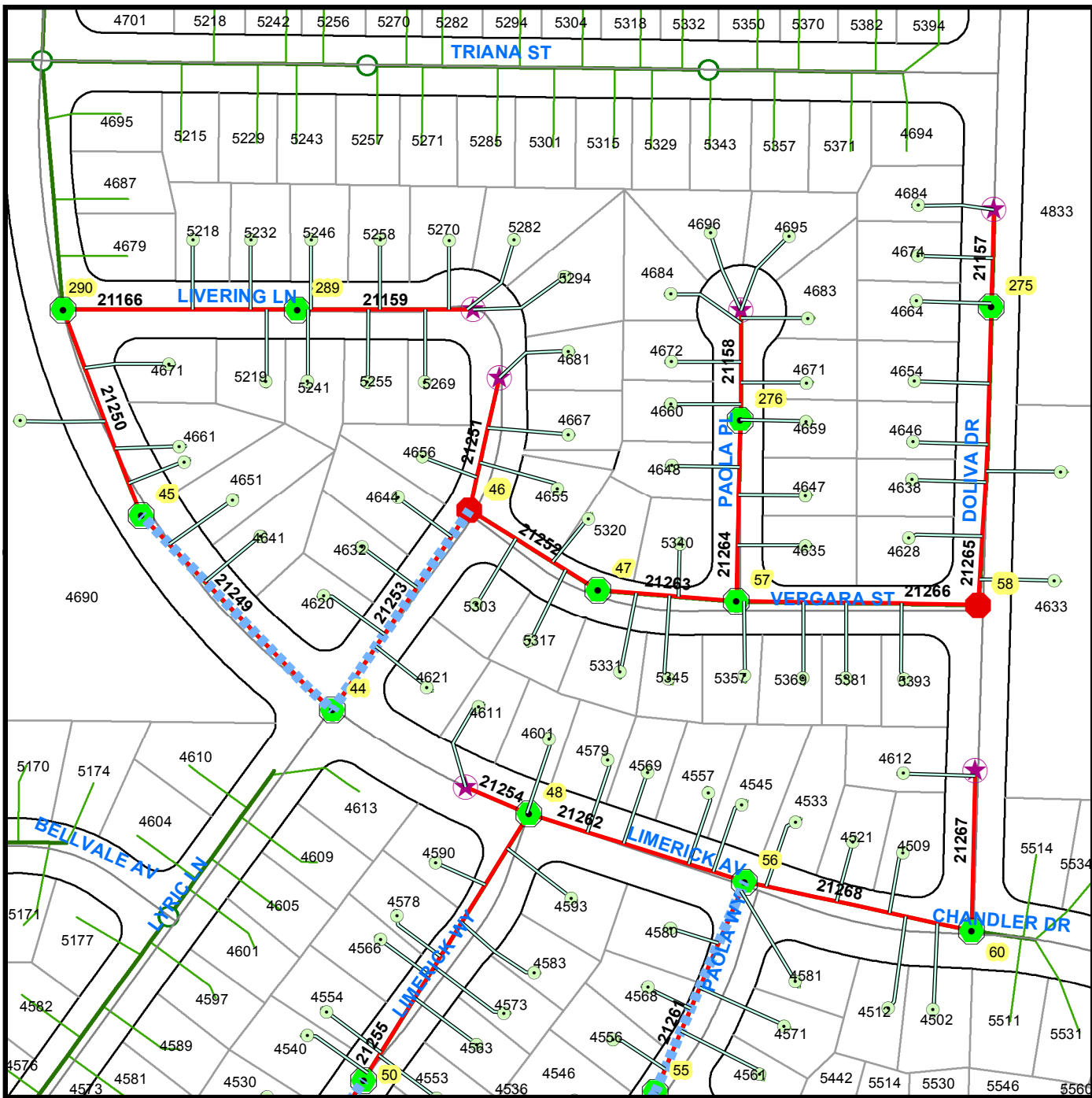
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
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- Rehab Manhole
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- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec 2014), 1248 1H, 1248 2H

Date: February 25, 2014

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Pipeline Rehabilitation AB-1

SHEET 14 OF 14

SENIOR ENGINEER
LUIS SCHAAR
619-533-7492

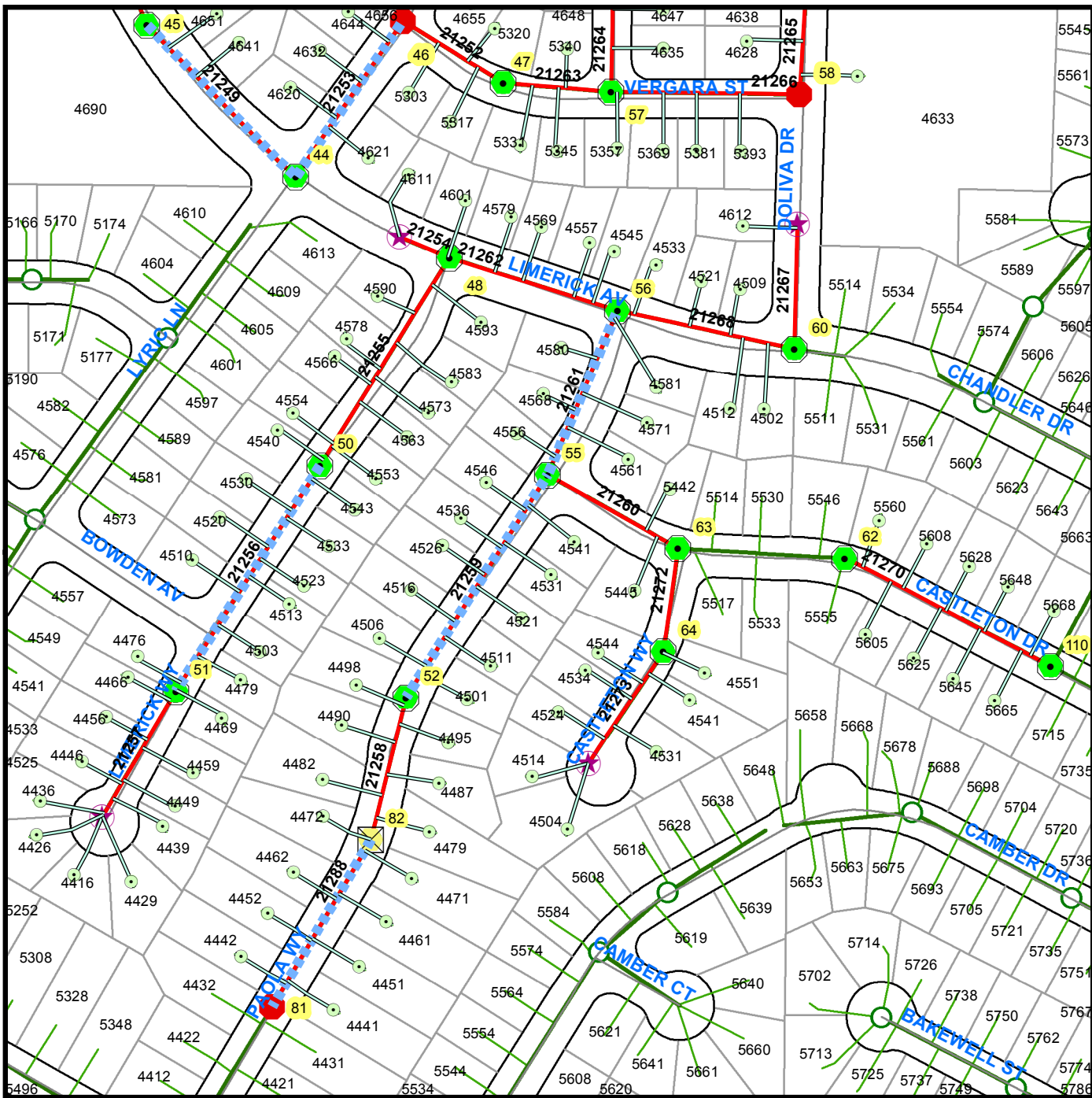
PROJECT MANAGER
JOE MYERS
619-533-6632

PROJECT ENGINEER
JESS ARCILLAS
619-533-4625

CONSTRUCTION PROJECT
INFORMATION LINE
619-533-4207



RIGHT OF WAY DESIGN



Legend

- Rehab Main
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- Repair Manhole
- Cleanouts
- No Scale

COMMUNITY NAME:

COUNCIL DISTRICT: 6

SAP ID: B13222

Clairemont Mesa

Pipeline Rehabilitation AB-1 Appendix E - Location Map Volume 1 of 2 (Rev. Dec 2014), 1248 1H, 1248 2H

Date: February 25, 2014



THOMAS BROS. 1248 1H, 1248 2H

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APPENDIX F
Adjacent Projects

Pipeline Rehabilitation AB-1

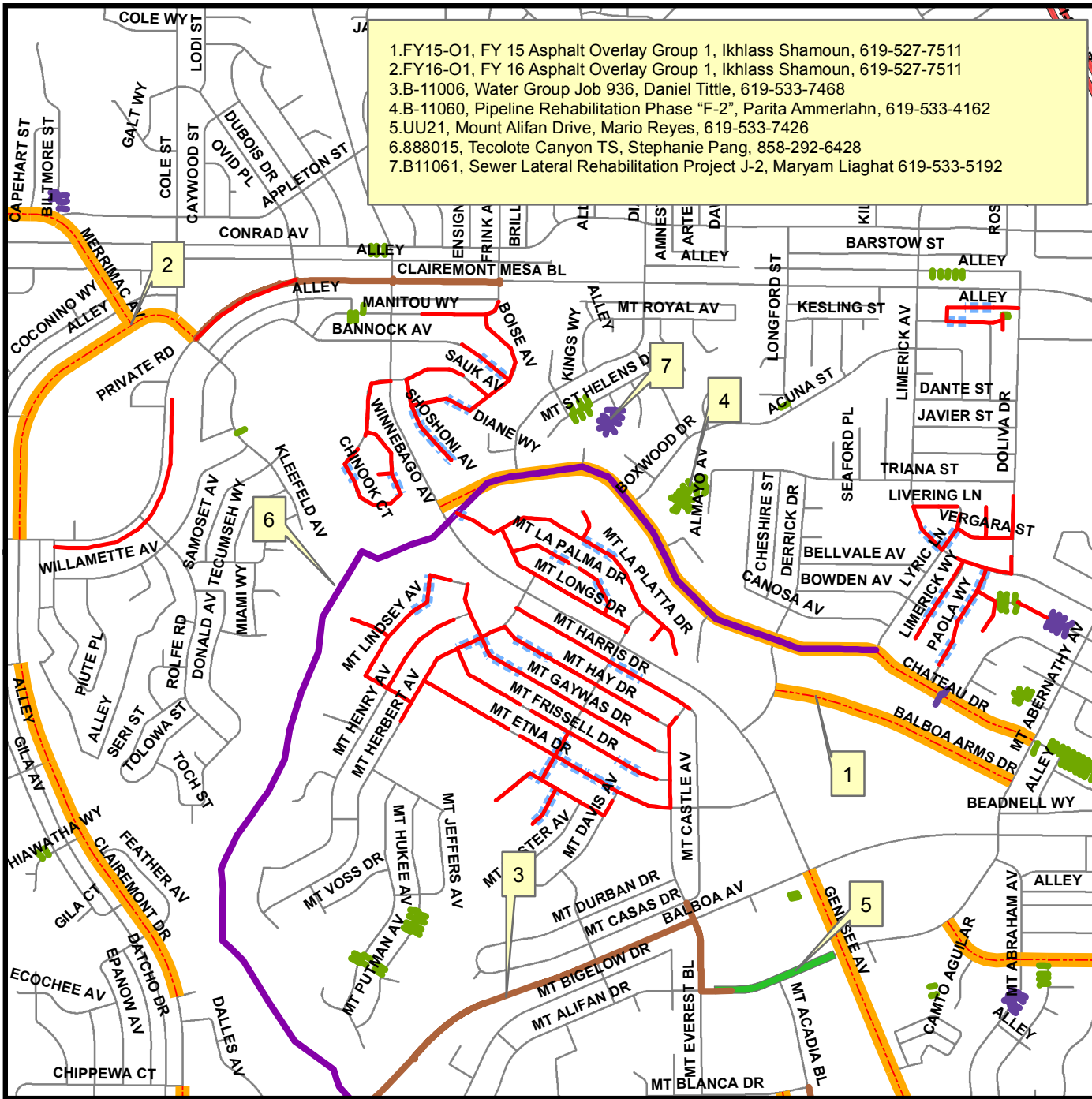
Adjacent Projects



RIGHT OF WAY DESIGN



1. FY15-O1, FY 15 Asphalt Overlay Group 1, Ikhlass Shamoun, 619-527-7511
2. FY16-O1, FY 16 Asphalt Overlay Group 1, Ikhlass Shamoun, 619-527-7511
3. B-11006, Water Group Job 936, Daniel Tittle, 619-533-7468
4. B-11060, Pipeline Rehabilitation Phase "F-2", Parita Ammerlahn, 619-533-4162
5. UU21, Mount Alifan Drive, Mario Reyes, 619-533-7426
6. 888015, Tecolote Canyon TS, Stephanie Pang, 858-292-6428
7. B11061, Sewer Lateral Rehabilitation Project J-2, Maryam Liaghat 619-533-5192



Legend

— Rehab Main



COMMUNITY NAME:

Clairmont Mesa

COUNCIL DISTRICT: 6

SAP ID: B13222

Pipeline Rehabilitation AB-1 Appendix F- Adjacent Projects Volume 1 of 2 (Rev. Dec. 2014)

Date: November 24, 2014

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APPENDIX G

Hydrostatic Discharge Form

Hydrostatic Discharge Requirements Certification (Discharge Events \geq 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 Templates

APPENDIX I
Sewer Rehab Mains

Sewer Mains To Be Rehabilitated
Sewer Pipeline Rehabilitation AB-1

NO.	FSN	US Field Book Page	US MH MAP ID	DS Field Book Page	DS MH MAP ID	INSTALLED DATE	LENGTH	SIZE	MATL	SLOPE %	Max. d/D	Max. Vel. (fps)	LATERALS	ACTION	THOMAS BROTHERS	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	CONFLICT CHECK
1	17259	E11S	37	E11S	350	9/6/1955	318.00	8	VC	2.00	21.47	3.14	8	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction
2	17260	E11S	38	E11S	37	9/6/1955	318.00	8	VC	2.15	16.91	2.82	9	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
3	21147	F11S	PLUG-258	F11S	259	1/1/1960	55.00	8	VC	0.40	8.77	0.81	2	Rehab	1248H1	EASEMENT	Clairemont Mesa East	6	Install Clean-Out	Rehab F-1, End Construction 12/2012
4	21149	F11S	PLUG-263	F11S	259	1/1/1960	95.00	8	VC	0.41	9.05	0.83	3	Rehab	1248H1	EASEMENT	Clairemont Mesa East	6	Install Clean-Out	
5	21148	F11S	259	F11S	260	1/1/1960	102.00	8	VC	0.40	12.44	1.01	2	Rehab	1248H1	EASEMENT	Clairemont Mesa East	6		
6	21146	F11S	260	F11S	257	1/1/1959	265.00	8	VC	0.40	15.70	1.16	7	Rehab	1248H1	KESLING, ST	Clairemont Mesa East	6		
7	21137	F11S	257	F11S	256	1/1/1960	141.00	8	VC	0.72	15.35	1.54	6	P.R. & Rehab	1248H1	KESLING, ST	Clairemont Mesa East	6		
8	20989	F11S	76	F11S	256	7/20/1978	135.00	8	VC	1.02	18.72	2.07	0	Rehab	1248H1	ALLEY	Clairemont Mesa East	6		
9	20986	F11S	75	F11S	76	1/1/1959	154.00	8	VC	0.58	21.55	1.69	2	Rehab	1248H1	ALLEY	Clairemont Mesa East	6		
10	20984	F11S	74	F11S	75	1/1/1962	267.00	8	VC	0.36	20.76	1.31	2	P.R. & Rehab	1248H1	ALLEY	Clairemont Mesa East	6		
11	20983	F11S	388	F11S	74	1/1/1962	135.00	8	VC	0.23	11.94	0.99	1	Rehab	1248H1	ALLEY	Clairemont Mesa East	6		FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
12	21249	F12S	44	F12S	45	1/1/1960	260.00	8	VC	0.40	22.05	1.43	2	P.R. & Rehab	1248H1	LIMERICK, AV	Clairemont Mesa East	6		
13	21250	F12S	45	F11S	290	1/1/1959	260.00	8	VC	0.40	22.45	1.44	4	Rehab	1248H1	LIMERICK, AV	Clairemont Mesa East	6		
14	21251	F11S	PLUG-288	F12S	46	1/1/1959	125.00	8	VC	3.00	4.30	1.40	4	Rehab	1248H1	LIVERING, LN	Clairemont Mesa East	6	Install Clean-Out	
15	21252	F12S	47	F12S	46	1/1/1959	149.00	8	VC	0.40	19.48	1.33	3	Rehab	1248H1	VERGARA, ST	Clairemont Mesa East	6		
16	21253	F12S	46	F12S	44	1/1/1959	250.00	8	VC	0.40	21.60	1.41	4	P.R. & Rehab	1248H1	LYRIC, LN	Clairemont Mesa East	6		
17	17589	E11S	363	E12S	3	NO DATA	208.00	8	VC	0.55	34.92	2.16	4	Rehab	1248E1	ROLFE, RD	North Clairemont	6		
18	17542	E11S	364	E11S	363	NO DATA	218.00	8	VC	0.56	34.49	2.16	4	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		
19	17541	E11S	360	E11S	364	NO DATA	271.00	8	VC	0.55	33.96	2.13	6	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		
20	17540	E11S	359	E11S	360	9/6/1955	305.00	8	VC	0.55	32.83	2.09	6	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		
27	17681	E12S	92	E12S	91	1/1/1956	147.00	8	VC	14.05	14.64	6.61	3	Rehab	1248F1	MT LA PLATTA, DR	Clairemont Mesa East	6		
28	17682	E12S	93	E12S	92	1/1/1957	78.00	8	VC	0.40	35.60	1.86	2	Rehab	1248F1	MT LA PLATTA, DR	Clairemont Mesa East	6		
29	17641	E12S	53	E12S	98	1/1/1957	169.00	8	VC	1.00	8.22	1.23	4	Rehab	1248F2	MT LINDSEY, PL	Clairemont Mesa West	6		
30	17643	E12S	54	E12S	55	1/1/1957	344.00	8	VC	0.70	16.78	1.60	11	Rehab	1248F2	MT LINDSEY, AV	Clairemont Mesa West	6		
31	17644	E12S	55	E12S	101	1/1/1957	240.00	8	VC	1.20	15.62	2.01	5	Rehab	1248F2	MT KING, DR	Clairemont Mesa West	6		
32	17669	E12S	PLUG-78	E12S	53	1/1/1957	200.00	8	VC	1.00	7.14	1.12	10	Rehab	1248F2	MT LINDSEY, PL	Clairemont Mesa West	6	Install Clean-Out	
33	17672	E12S	PLUG-81	E12S	82	1/1/1957	200.00	8	VC	1.00	5.15	0.91	8	Rehab	1248F2	MT GAYWAS, DR	Clairemont Mesa West	6	Install Clean-Out	
34	17673	E12S	82	E12S	83	1/1/1957	258.00	8	VC	0.99	8.10	1.21	9	P.R. & Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6		
35	17674	E12S	83	E12S	84	1/1/1957	172.00	8	VC	1.17	8.89	1.40	4	P.R. & Rehab	1248F2	MT LINDSEY, AV	Clairemont Mesa West	6		
36	17700	E12S	108	E12S	107	1/1/1958	256.00	8	VC	2.46	18.98	3.23	5	P.R. & Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
37	17705	E12S	111	E12S	112	1/1/1957	350.00	8	VC	0.40	20.21	1.36	11	P.R. & Rehab	1248F2	MT GAYWAS, DR	Clairemont Mesa West	6		
38	17702	E12S	112	E12S	108	1/1/1957	187.00	8	VC	0.40	20.79	1.38	2	P.R. & Rehab	1248F2	MT GAYWAS, DR	Clairemont Mesa West	6		
39	17679	E12S	PLUG-90	E12S	89	1/1/1957	146.00	8	VC	1.20	5.27	1.01	6	Rehab	1248F2	MT GAYWAS, DR	Clairemont Mesa West	6	Install Clean-Out	
40	17703	E12S	110	E12S	97	1/1/1957	137.00	8	VC	0.37	19.71	1.29	2	Rehab	1248F2	MT HAY, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
41	17704	E12S	120	E12S	110	1/1/1957	348.00	8	VC	0.60	17.07	1.50	11	P.R. & Rehab	1248F2	MT HAY, DR	Clairemont Mesa West	6		
42	17711	E12S	125	E12S	120	1/1/1957	350.00	8	VC	1.00	13.30	1.66	12	Rehab	1248G2	MT HAY, DR	Clairemont Mesa West	6		
43	17721	E12S	131	E12S	129	1/1/1957	310.00	8	VC	2.50	7.44	1.82	9	Rehab	1248G2	MT HAY, DR	Clairemont Mesa West	6		
44	17732	E12S	154	E12S	152	1/1/1957	371.00	8	VC	3.10	12.12	2.76	12	Rehab	1248G2	MT LONGS, DR	Clairemont Mesa East	6		
45	17687	E12S	152	E12S	95	1/1/1956	172.00	8	VC	0.40	29.22	1.68	5	Rehab	1248F2	MT LONGS, DR	Clairemont Mesa East	6		
47	17733	E12S	153	E12S	96	1/1/1956	350.00	8	VC	1.60	15.51	2.31	10	Rehab	1248F2	MT HARRIS, DR	Clairemont Mesa East	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
48	17720	E12S	132	E12S	128	1/1/1956	350.00	8	VC	1.80	10.74	1.95	10	P.R. & Rehab	1248G2	MT HARRIS, DR	Clairemont Mesa East	6		
49	17723	E12S	137	E12S	132	1/1/1956	337.00	8	VC	1.80	8.63	1.70	11	Rehab	1248G2	MT HARRIS, DR	Clairemont Mesa East	6		
50	17727	E12S	PLUG-148	E12S	137	1/1/1956	200.00	8	VC	0.90	6.69	1.02	7	Rehab	1248G2	MT HARRIS, DR	Clairemont Mesa East	6	Install Clean-Out	
51	17819	E12S	247	E12S	246	1/1/1956	250.00	8	VC	1.60	7.92	1.51	7	P.R. & Rehab	1248G2	MT FRISSELL, DR	Clairemont Mesa West	6		
52	17836	E12S	123	E12S	234	1/1/1956	258.00	8	VC	2.20	12.19	2.33	0	P.R. & Rehab	1248G2	MT FORAKER, AV	Clairemont Mesa West	6		
53	17834	E12S	248	E12S	244	1/1/1958	346.00	8	VC	1.00	12.99	1.64	11	P.R. & Rehab	1248G2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010

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1	17259	E11S	37	E11S	350	9/6/1955	318.00	8	VC	2.00	21.47	3.14	8	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction
2	17260	E11S	38	E11S	37	9/6/1955	318.00	8	VC	2.15	16.91	2.82	9	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
54	17835	E12S	244	E12S	234	1/1/1958	330.00	8	VC	1.99	12.08	2.21	9	P.R. & Rehab	1248G2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
55	17832	E12S	234	E12S	235	1/1/1958	258.00	8	VC	3.80	15.17	3.51	4	P.R. & Rehab	1248G2	MT FORAKER, AV	Clairemont Mesa West	6		
56	17831	E12S	237	E12S	235	1/1/1958	141.00	8	VC	0.40	13.02	1.03	3	P.R. & Rehab	1248F2	MT ELBRUS, DR	Clairemont Mesa West	6		
57	17833	E12S	235	E12S	238	1/1/1956	167.00	8	VC	0.50	27.01	1.80	2	Rehab	1248F2	MT ELBRUS, DR	Clairemont Mesa West	6		
58	17829	E12S	239	E12S	240	1/1/1958	139.00	8	VC	0.50	28.59	1.84	5	P.R. & Rehab	1248G2	MT ELBRUS, CT	Clairemont Mesa West	6		
59	17830	E12S	238	E12S	239	1/1/1958	270.00	8	VC	0.50	28.23	1.84	6	P.R. & Rehab	1248G2	MT ELBRUS, CT	Clairemont Mesa West	6		
60	21257	F12S	PLUG-83	F12S	51	1/1/1962	188.00	8	VC	0.40	8.75	0.81	9	Rehab	1248H2	LIMERICK, WY	Clairemont Mesa East	6	Install Clean-Out	
61	21256	F12S	51	F12S	50	1/1/1962	348.00	8	VC	0.40	12.46	1.01	11	P.R. & Rehab	1248H2	LIMERICK, WY	Clairemont Mesa East	6		
62	21255	F12S	50	F12S	48	1/1/1962	319.00	8	VC	0.40	15.13	1.14	10	Rehab	1248H2	LIMERICK, WY	Clairemont Mesa East	6		
63	21254	F12S	PLUG-49	F12S	48	1/1/1962	65.00	8	VC	9.00	2.01	1.47	2	Rehab	1248H2	LIMERICK, AV	Clairemont Mesa East	6	Install Clean-Out	
64	21262	F12S	48	F12S	56	1/1/1962	243.00	8	VC	0.90	13.75	1.61	4	Rehab	1248H2	LIMERICK, AV	Clairemont Mesa East	6		
65	21288	F12S	82	F12S	81	1/1/1962	254.00	8	VC	2.44	33.00	2.96	8	P.R. & Rehab	1248H2	PAOLA, WY	Clairemont Mesa East	6		
66	21258	F12S	52	F12S	82	1/1/1962	193.00	8	VC	3.00	29.00	3.51	7	Rehab	1248H2	PAOLA, WY	Clairemont Mesa East	6		
67	21259	F12S	55	F12S	52	1/1/1962	349.00	8	VC	2.29	27.00	3.68	10	P.R. & Rehab	1248H2	PAOLA, WY	Clairemont Mesa East	6		
68	21260	F12S	63	F12S	55	1/1/1962	197.00	8	VC	0.40	40.74	2.00	2	Rehab	1248H2	CASTLETON, DR	Clairemont Mesa East	6		Adjacent to Pipeline Rehabilitation Phase "F-1". End Construction 12/2012
69	17561	E11S	PLUG-396	E11S	395	10/3/1955	175.00	8	VC	0.60	6.69	0.83	8	Rehab	1248F1	Rehab, 1248F1	North Clairemont	6	Install Clean-Out	
70	17560	E11S	395	E11S	453	10/3/1955	192.00	8	VC	0.40	10.40	0.90	6	P.R. & Rehab	1248F1	CHINOOK, CT	North Clairemont	6		
71	17559	E11S	453	E11S	389	10/3/1955	159.00	8	VC	0.40	11.60	0.96	5	Rehab	1248F1	CHINOOK, CT	North Clairemont	6		
72	17558	E11S	389	E11S	388	10/3/1955	147.00	8	VC	0.40	12.61	1.02	5	Rehab	1248F1	CHINOOK, CT	North Clairemont	6		
73	17451	E11S	264	E11S	263	10/3/1955	200.00	8	VC	0.40	17.94	1.26	6	Rehab	1248F1	WINNEBAGO, AV	North Clairemont	6		
74	17452	E11S	PLUG-391	E11S	264	10/3/1955	130.00	8	VC	4.40	4.05	1.63	3	Rehab	1248F1	CARIB, CT	North Clairemont	6	Install Clean-Out	
75	17453	E11S	265	E11S	264	10/3/1955	205.00	8	VC	0.40	15.59	1.16	6	P.R. & Rehab	1248F1	WINNEBAGO, AV	North Clairemont	6		
76	17454	E11S	388	E11S	266	10/3/1955	147.00	8	VC	0.40	13.65	1.07	5	Rehab	1248F1	CHINOOK, CT	North Clairemont	6		
77	17455	E11S	266	E11S	265	10/3/1955	145.00	8	VC	0.40	14.31	1.10	3	Rehab	1248F1	CHINOOK, CT	North Clairemont	6		
78	17585	E11S	PLUG-259	E11S	454	10/3/1955	137.00	8	VC	1.20	7.53	1.27	8	P.R. & Rehab	1248F1	P.R. & Rehab, 1248F1	Clairemont Mesa East	6	Install Clean-Out	
79	17446	E11S	454	E11S	261	10/3/1955	283.00	8	VC	9.29	13.67	1.07	10	P.R. & Rehab	1248F1	SHOSHONI, AV	Clairemont Mesa East	6		
80	17447	E11S	261	E11S	229	10/3/1955	218.00	8	VC	0.40	14.95	1.13	6	P.R. & Rehab	1248F1	SHOSHONI, AV	Clairemont Mesa East	6		
81	17427	E11S	229	E11S	236	10/3/1955	259.00	8	VC	0.40	29.63	1.69	5	Rehab	1248F1	Rehab, 1248F1	Clairemont Mesa East	6		
82	17432	E11S	230	E11S	229	10/3/1955	340.00	8	VC	2.05	17.78	2.84	10	Rehab	1248F1	ACOMA, AV	Clairemont Mesa East	6		
83	17433	E11S	231	E11S	230	10/3/1955	249.00	8	VC	1.00	20.24	2.14	8	P.R. & Rehab	1248F1	ACOMA, AV	Clairemont Mesa East	6		
84	17434	E11S	250	E11S	231	10/3/1955	221.00	8	VC	3.00	14.88	3.09	1	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
85	17435	E11S	PLUG-232	E11S	250	10/3/1955	200.00	8	VC	3.00	5.04	1.55	7	Rehab	1248F1	SAUK, AV	Clairemont Mesa East	6	Install Clean-Out	
86	17436	E11S	249	E11S	250	10/3/1955	257.00	8	VC	0.70	19.75	1.77	0	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
87	17421	E11S	PLUG-239	E11S	240	10/3/1955	210.00	8	VC	0.90	6.78	1.03	7	Rehab	1248F1	BANNOCK, AV	Clairemont Mesa East	6	Install Clean-Out	
88	17420	E11S	240	E11S	249	10/3/1955	350.00	8	VC	1.61	7.84	1.51	0	P.R. & Rehab	1248F1	BANNOCK, AV	Clairemont Mesa East	6		
89	17419	E11S	248	E11S	249	10/3/1955	176.00	8	VC	0.40	18.89	1.30	5	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
90	17262	E11S	40	E11S	38	9/6/1955	172.00	8	VC	2.15	9.45	1.96	3	Rehab	1248F1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
91	17532	E11S	350	E11S	351	9/6/1955	291.00	8	VC	1.00	26.04	2.48	4	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
92	17536	E11S	354	E11S	359	9/6/1955	305.00	8	VC	0.80	29.07	2.36	6	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		
93	17588	E12S	3	E12S	2	10/20/1955	239.00	8	VC	0.55	35.45	2.18	4	Rehab	1248E2	CLAIREMONT MESA, BL	North Clairemont	6		
94	17586	E12S	360	D12S	171	1/1/1996	198.00	8	VC	0.35	23.10	4.29	1	Rehab	1248E2	CLAIREMONT MESA, BL	North Clairemont	6		
95	#####	E12S	1	E12S	360	1/1/1996	110.00	8	VC	0.40	22.31	4.46	1	Rehab	1248E2	CLAIREMONT MESA, BL	North Clairemont	6		
96	17587	E12S	2	E12S	1	10/20/1955	257.00	8	VC	0.55	36.57	2.21	2	Rehab	1248E2	CLAIREMONT MESA, BL	North Clairemont	6		
99	17450	E11S	263	E11S	398	10/3/1955	218.00	8	VC	0.40	1.30	18.90	7	Rehab	1248F1	WINNEBAGO, AV	North Clairemont	6		
100	17562	E11S	PLUG-397	E11S	399	10/3/1955	38.00	8	VC	12.63	1.71	1.97	3	Rehab	1248F1	CHICKASAW, CT	North Clairemont	6	Install Clean-Out	
101	17563	E11S	398	E11S	399	10/3/1955	92.00	8	VC	0.40	1.30	18.92	0	Rehab	1248F1	WINNEBAGO, AV	North Clairemont	6		
102	17564	E11S	399	E11S	400	10/3/1955	314.00	8	VC	0.40	1.37	20.42	10	Rehab	1248F1	CHICKASAW, CT	North Clairemont	6		

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1	17259	E11S	37	E11S	350	9/6/1955	318.00	8	VC	2.00	21.47	3.14	8	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction
2	17260	E11S	38	E11S	37	9/6/1955	318.00	8	VC	2.15	16.91	2.82	9	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
103	17565	E11S	400	E11S	401	10/3/1955	134.00	8	VC	0.40	1.39	20.92	4	Rehab	1248F1	CHICKASAW, CT	North Clairemont	6		
104	17566	E11S	401	E11S	227	10/3/1955	188.00	8	VC	1.62	2.30	15.18	3	Rehab	1248F1	CHICKASAW, CT	North Clairemont	6		FY13 ASPHALT OVERLAY GROUP 2, Moratorium start 8/2013
105	17429	E11S	235	E11S	236	10/3/1955	216.00	8	VC	5.66	2.70	7.31	6	Rehab	1248F1	SAUK, AV	Clairemont Mesa East	6		
106	17430	E11S	234	E11S	235	10/3/1955	201.00	8	VC	2.79	1.89	7.25	7	Rehab	1248F1	SAUK, AV	Clairemont Mesa East	6		
107	17431	E11S	PLUG-233	E11S	234	10/3/1955	140.00	8	VC	3.60	1.65	4.83	7	Rehab	1248F1	SAUK, AV	Clairemont Mesa East	6	Install Clean-Out	
108	17460	E11S	271	E11S	270	1/1/1962	43.00	8	VC	50.23	10.80	11.58	0	Rehab	1248F1	EASEMENT	Clairemont Mesa East	6		
109	17461	E11S	272	E11S	271	1/1/1980	40.00	8	VC	17.00	7.38	15.03	0	Rehab	1248F1	EASEMENT	Clairemont Mesa East	6		
110	17462	E11S	270	E11S	269	1/1/1962	83.00	8	VC	3.98	4.43	21.45	0	P.R. & Rehab	1248F1	EASEMENT	Clairemont Mesa East	6		
111	17680	E12S	91	E11S	272	1/1/1956	64.00	8	VC	48.19	10.64	11.69	0	Rehab	1248F1	EASEMENT	Clairemont Mesa East	6		
112	17684	E12S	94	E12S	93	1/1/1956	231.00	8	VC	0.40	1.73	30.99	6	Rehab	1248F2	MT LONGS, DR	Clairemont Mesa East	6		
113	17686	E12S	95	E12S	94	1/1/1956	157.00	8	VC	0.40	1.68	29.42	4	Rehab	1248F2	MT LONGS, DR	Clairemont Mesa East	6		
114	17919	E12S	128	E12S	126	1/1/1956	308.00	8	VC	1.70	2.05	12.16	8	Rehab	1248G2	MT HARRIS, DR	Clairemont Mesa West	6		
115	17677	E12S	88	E12S	108	1/1/1957	260.00	8	VC	1.20	8.18	1.34	7	Rehab	1248F2	MT GAYWAS DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
116	17678	E12S	89	E12S	88	1/1/1957	135.00	8	VC	1.20	6.70	1.18	4	Rehab	1248F3	MT GAYWAS DR	Clairemont Mesa West	6		
117	17689	E12S	97	E12S	109	1/1/1957	129.00	8	VC	1.21	1.98	15.12	2	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
118	17701	E12S	109	E12S	108	1/1/1957	115.00	8	VC	1.43	2.21	15.88	2	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
119	17675	E12S	84	E12S	98	1/1/1957	322.00	8	VC	0.80	1.36	11.63	9	Rehab	1248F2	MT LINDSEY, AV	Clairemont Mesa West	6		
120	17642	E12S	98	E12S	54	1/1/1957	83.00	8	VC	0.81	1.57	14.40	1	Rehab	1248F2	MT LINDSEY, AV	Clairemont Mesa West	6		
121	17722	E12S	PLUG-138	E12S	131	1/1/1957	180.00	8	VC	4.00	1.68	4.57	8	Rehab	1248G2	MT HAY, DR	Clairemont Mesa West	6	Install Clean-Out	
122	17761	E12S	184	E12S	185	1/1/1958	200.00	8	VC	0.40	0.92	10.83	11	Rehab	1248F2	MT ELBRUS, DR	Clairemont Mesa West	6		
123	17762	E12S	185	E12S	237	1/1/1958	192.00	8	VC	0.40	1.00	12.32	4	Rehab	1248F2	MT ELBRUS, DR	Clairemont Mesa West	6		
124	17837	E12S	359	E12S	234	1/1/1958	350.00	8	VC	0.40	0.79	8.55	8	Rehab	1248F2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
125	17820	E12S	PLUG-260	E12S	247	1/1/1956	180.00	8	VC	1.60	1.26	5.92	8	Rehab	1248G2	MT FRISSELL, DR	Clairemont Mesa West	6	Install Clean-Out	
126	17713	E12S	PLUG-116	E12S	122	1/1/1956	50.00	8	VC	0.40	0.55	4.83	3	Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6	Install Clean-Out	
127	17714	E12S	122	E12S	123	1/1/1956	350.00	8	VC	0.40	0.89	10.22	10	Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6		
128	17717	E12S	129	E12S	125	1/1/1957	350.00	8	VC	2.00	1.89	9.39	8	Rehab	1248G2	MT HAY, DR	Clairemont Mesa West	6		
129	17718	E12S	126	E12S	153	1/1/1956	350.00	8	VC	1.60	2.18	14.11	12	Rehab	1248G2	MT HARRIS, DR	Clairemont Mesa West	6		
130	21157	F11S	PLUG-274	F11S	275	1/1/1959	100.00	8	VC	2.00	1.04	3.71	3	Rehab	1248H1	DOLIVA, DR	Clairemont Mesa East	6	Install Clean-Out	FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
131	21158	F11S	PLUG-280	F11S	276	1/1/1959	110.00	8	VC	1.67	1.31	6.14	8	Rehab	1248H1	PAOLA, PL	Clairemont Mesa East	6	Install Clean-Out	
132	21159	F11S	PLUG-287	F11S	289	1/1/1959	185.00	8	VC	0.40	0.84	9.26	8	Rehab	1248H1	LIVERING, LN	Clairemont Mesa East	6	Install Clean-Out	
133	21166	F11S	289	F11S	290	1/1/1959	245.00	8	VC	2.80	1.78	6.58	3	Rehab	1248H1	LIVERING, LN	Clairemont Mesa East	6		
134	21261	F12S	56	F12S	55	1/1/1962	230.00	8	VC	2.67	2.62	12.56	6	P.R. & Rehab	1248H2	PAOLA, WY	Clairemont Mesa East	6		
135	21263	F12S	57	F12S	47	1/1/1959	145.00	8	VC	0.40	1.30	18.84	3	Rehab	1248H1	VERGARA, ST	Clairemont Mesa East	6		
136	21264	F11S	276	F12S	57	1/1/1959	200.00	8	VC	2.50	1.63	6.31	4	Rehab	1248H1	PAOLA, PL	Clairemont Mesa East	6		
137	21265	F11S	275	F12S	58	1/1/1959	300.00	8	VC	0.59	1.27	13.09	6	Rehab	1248H1	DOLIVA, DR	Clairemont Mesa East	6		FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
138	21266	F12S	58	F12S	57	1/1/1959	245.00	8	VC	0.40	1.16	15.53	4	Rehab	1248H1	VERGARA, ST	Clairemont Mesa East	6		FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
139	21267	F12S	PLUG-59	F12S	60	1/1/1962	152.00	8	VC	3.16	0.87	2.02	1	Rehab	1248H2	DOLIVA, DR	Clairemont Mesa East	6	Install Clean-Out	FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
140	21268	F12S	60	F12S	56	1/1/1962	224.00	8	VC	0.40	0.84	9.25	5	Rehab	1248H2	LIMERICK, AV	Clairemont Mesa East	6		FY11 SLURRY SEAL GROUP 1, Moratorium Start 6/2012
141	21272	F12S	64	F12S	63	1/1/1963	136.00	8	VC	0.40	0.79	8.47	0	Rehab	1248H2	CASTLETON, WY	Clairemont Mesa East	6		Adjacent to Pipeline Rehabilitation Phase "F-1". End Construction 12/21/2012
142	21273	F12S	PLUG-65	F12S	64	1/1/1962	171.00	8	VC	0.40	0.79	8.47	8	Rehab	1248H2	CASTLETON, WY	Clairemont Mesa East	6	Install Clean-Out	
145	17817	E12S	245	E12S	123	1/1/1956	271	8	VC	2.90	10.55	2.44	8	Rehab	1248G2	MT FRISSELL, DR	Clairemont Mesa West	6		
146	17818	E12S	246	E12S	245	1/1/1956	250	8	VC	1.60	10.47	1.81	8	Rehab	1248G2	MT FRISSELL, DR	Clairemont Mesa West	6		
147	21270	F12S	110	F12S	62	1/1/1963	289	8	VC	0.40	42.00	1.84	9	Rehab	1248H2	CASTLETON, DR	Clairemont Mesa East	6		Adjacent to Pipeline Rehabilitation Phase "F-1". Start Construction 12/21/2012

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1	17259	E11S	37	E11S	350	9/6/1955	318.00	8	VC	2.00	21.47	3.14	8	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction
2	17260	E11S	38	E11S	37	9/6/1955	318.00	8	VC	2.15	16.91	2.82	9	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
148	17356	E11S	PLUG-160	E11S	244	10/3/1955	100	8	VC	1.50	4.68	1.04	2	Rehab	1248F1	FRINK, AV	Clairemont Mesa East	6	Install Clean-Out	
149	17413	E11S	242	E11S	243	10/3/1955	300	8	VC	0.40	9.17	0.83	12	Rehab	1248F1	MANITOU, WY	Clairemont Mesa East	6		Bannock Avenue Streetscape Enhancement, Start Construction 11/19/2013, End Construction 10/6/2014
150	17414	E11S	243	E11S	245	10/3/1955	300	8	VC	0.50	11.48	1.07	9	Rehab	1248F1	MANITOU, WY	Clairemont Mesa East	6		
151	17415	E11S	244	E11S	245	10/3/1955	94	8	VC	0.40	7.09	0.71	1	Rehab	1248F1	FRINK, AV	Clairemont Mesa East	6		
152	17416	E11S	245	E11S	246	10/3/1955	123	8	VC	0.40	14.38	1.10	2	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
153	17417	E11S	246	E11S	247	10/3/1955	308	8	VC	0.40	16.61	1.20	10	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
154	17418	E11S	247	E11S	248	10/3/1955	147	8	VC	0.40	17.65	1.25	5	Rehab	1248F1	BOISE, AV	Clairemont Mesa East	6		
155	17463	E11S	277	E11S	276	1/1/1957	257	8	VC	0.88	18.48	1.90	8	Rehab	1248F1	MT LA PLATTA, DR	Clairemont Mesa East	6		
156	17676	E12S	PLUG-87	E12S	85	1/1/1957	170	8	VC	1.20	5.48	1.03	7	Rehab	1248F2	MT HENRY, AV	Clairemont Mesa West	6	Install Clean-Out	
157	17683	E11S	276	E12S	93	1/1/1957	230	8	VC	4.50	12.77	3.44	4	Rehab	1248F1	MT LA PLATTA, DR	Clairemont Mesa East	6		
158	17685	E12S	150	E12S	94	1/1/1956	240	8	VC	5.18	6.20	2.33	3	Rehab	1248F2	MT LA PALMA, DR	Clairemont Mesa East	6		
159	17690	E12S	85	E12S	99	1/1/1957	207	8	VC	1.20	7.45	1.26	6	Rehab	1248F2	MT HENRY, AV	Clairemont Mesa West	6		
160	17691	E12S	99	E12S	100	1/1/1957	204	8	VC	1.20	9.15	1.44	7	Rehab	1248F2	MT HENRY, AV	Clairemont Mesa West	6		
161	17692	E12S	100	E12S	101	1/1/1957	339	8	VC	1.80	9.98	1.86	9	Rehab	1248F2	MT HENRY, AV	Clairemont Mesa West	6		
162	17693	E12S	104	E12S	101	1/1/1957	260	8	VC	0.40	35.12	1.85	4	Rehab	1248F2	MT KING, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
163	17695	E12S	PLUG-103	E12S	104	1/1/1957	200	8	VC	0.40	4.16	0.50	3	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6	Install Clean-Out	FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
164	17696	E12S	105	E12S	104	1/1/1957	230	8	VC	0.40	34.67	1.84	3	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
165	17697	E12S	106	E12S	105	1/1/1957	243	8	VC	0.40	32.19	1.76	7	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
166	17698	E12S	107	E12S	106	1/1/1957	203	8	VC	0.46	30.71	1.84	5	Rehab	1248F2	MT HERBERT, AV	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
167	17699	E12S	113	E12S	107	1/1/1958	267	8	VC	0.36	14.86	1.06	4	Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
168	17706	E12S	114	E12S	113	1/1/1958	348	8	VC	0.40	12.98	1.03	12	Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6		
169	17707	E12S	PLUG-115	E12S	114	1/1/1958	200	8	VC	2.00	5.85	1.39	9	Rehab	1248F2	MT FRISSELL, DR	Clairemont Mesa West	6	Install Clean-Out	
170	17708	E12S	PLUG-117	E12S	118	1/1/1958	200	8	VC	0.40	5.92	0.63	4	Rehab	1248F2	MT ETNA, DR	Clairemont Mesa West	6	Install Clean-Out	FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
171	17709	E12S	118	E12S	119	1/1/1957	350	8	VC	0.40	9.17	0.83	6	Rehab	1248F2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
172	17710	E12S	119	E12S	105	1/1/1957	349	8	VC	0.40	11.02	0.93	4	Rehab	1248F2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
173	17712	E12S	121	E12S	111	1/1/1957	350	8	VC	0.90	15.00	1.70	11	Rehab	1248G2	MT GAYWAS, DR	Clairemont Mesa West	6		
174	17715	E12S	124	E12S	121	1/1/1957	350	8	VC	0.80	13.52	1.50	7	Rehab	1248G2	MT GAYWAS, DR	Clairemont Mesa West	6		
175	17716	E12S	130	E12S	124	1/1/1957	339	8	VC	2.49	8.66	2.00	11	Rehab	1248G2	MT GAYWAS, DR	Clairemont Mesa West	6		
176	17719	E12S	PLUG-127	E12S	163	1/1/1957	50	8	VC	0.40	3.73	0.46	2	Rehab	1248G2	MT FORAKER, AV	Clairemont Mesa East	6	Install Clean-Out	
177	17724	E12S	PLUG-133	E12S	165	1/1/1957	175	8	VC	3.00	3.71	1.27	6	Rehab	1248G2	MT LA PLATTA, CT	Clairemont Mesa East	6	Install Clean-Out	
178	17725	E12S	PLUG-135	E12S	134	1/1/1957	200	8	VC	0.40	8.10	0.77	9	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6	Install Clean-Out	
179	17728	E12S	PLUG-147	E12S	145	1/1/1956	115	8	VC	0.73	3.82	0.64	2	Rehab	1248G2	MT EVEREST, BL	Clairemont Mesa East	6	Install Clean-Out	
180	17730	E12S	151	E12S	150	1/1/1957	175	8	VC	3.10	6.35	1.83	5	Rehab	1248F2	MT LA PALMA, DR	Clairemont Mesa East	6		
181	17731	E12S	PLUG-155	E12S	151	1/1/1957	185	8	VC	3.10	5.00	1.57	7	P.R. & Rehab	1248G2	MT LA PALMA, DR	Clairemont Mesa East	6	Install Clean-Out	
182	17734	E12S	163	E12S	162	1/1/1957	266	8	VC	2.20	5.42	1.39	6	Rehab	1248G2	MT LONGS, DR	Clairemont Mesa East	6		
183	17735	E12S	161	E12S	162	1/1/1957	100	8	VC	2.40	7.26	1.75	1	Rehab	1248G2	MT LA PALMA, DR	Clairemont Mesa East	6		
184	17736	E12S	162	E12S	154	1/1/1957	371	8	VC	1.03	13.33	1.69	10	Rehab	1248G2	MT LONGS, DR	Clairemont Mesa East	6		
185	17737	E12S	160	E12S	161	1/1/1957	255	8	VC	2.20	7.16	1.67	6	P.R. & Rehab	1248G2	MT LA PALMA, DR	Clairemont Mesa East	6		
186	17738	E12S	PLUG-156	E12S	160	1/1/1957	200	8	VC	1.00	6.22	1.02	7	Rehab	1248G2	MT LA PALMA, DR	Clairemont Mesa East	6	Install Clean-Out	
187	17739	E12S	157	E11S	277	1/1/1957	350	8	VC	0.40	21.19	1.39	10	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		
188	17740	E11S	PLUG-278	E12S	158	1/1/1957	135	8	VC	0.40	7.52	0.73	6	Rehab	1248G1	MT LA PLATTA, PL	Clairemont Mesa East	6	Install Clean-Out	
189	17741	E12S	158	E12S	157	1/1/1957	143	8	VC	1.66	5.79	1.26	3	Rehab	1248G1	MT LA PLATTA, PL	Clairemont Mesa East	6		
190	17742	E12S	159	E12S	157	1/1/1957	350	8	VC	0.51	16.82	1.36	11	P.R. & Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		
191	17743	E12S	166	E12S	159	1/1/1957	194	8	VC	0.40	16.03	1.18	5	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		

Sewer Mains To Be Rehabilitated
Sewer Pipeline Rehabilitation AB-1

1	17259	E11S	37	E11S	350	9/6/1955	318.00	8	VC	2.00	21.47	3.14	8	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction
2	17260	E11S	38	E11S	37	9/6/1955	318.00	8	VC	2.15	16.91	2.82	9	Rehab	1248E1	CLAIREMONT MESA, BL	North Clairemont	6		Water Group Job 936, Start Construction 4/10/2014, End Construction 10/1/2015
192	17744	E12S	164	E12S	166	1/1/1957	319	8	VC	0.40	14.71	1.12	11	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		
193	17745	E12S	165	E12S	164	1/1/1957	288	8	VC	0.40	11.74	0.97	5	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		
194	17746	E12S	134	E12S	165	1/1/1957	89	8	VC	0.40	8.75	0.81	2	Rehab	1248G2	MT LA PLATTA, DR	Clairemont Mesa East	6		
195	17812	E12S	259	E12S	258	1/1/1956	258	8	VC	4.00	6.88	2.19	4	Rehab	1248G2	MT EVEREST, BL	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
196	17813	E12S	263	E12S	259	1/1/1956	256	8	VC	4.00	6.09	2.02	5	Rehab	1248G2	MT EVEREST, BL	Clairemont Mesa West	6		
197	17814	E12S	145	E12S	263	1/1/1956	250	8	VC	2.59	5.36	1.50	7	Rehab	1248G2	MT EVEREST, BL	Clairemont Mesa West	6		
198	17815	E12S	PLUG-162	E12S	261	1/1/1957	60	8	VC	2.50	3.28	1.07	3	Rehab	1248G2	MT GAYWAS, DR	Clairemont Mesa West	6	Install Clean-Out	
199	17816	E12S	261	E12S	130	1/1/1957	340	8	VC	2.50	6.51	1.67	11	Rehab	1248G2	MT GAYWAS, DR	Clairemont Mesa West	6		
200	17821	E12S	258	E12S	256	1/1/1956	215	8	VC	0.90	10.57	1.37	3	Rehab	1248G2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
201	17822	E12S	256	E12S	248	1/1/1956	311	8	VC	0.90	11.46	1.44	5	Rehab	1248G2	MT ETNA, DR	Clairemont Mesa West	6		FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
202	17823	E12S	PLUG-249	E12S	252	1/1/1956	160	8	VC	1.30	3.82	0.85	4	Rehab	1248G2	MT DAVIS, AV	Clairemont Mesa West	6	Install Clean-Out	
203	17825	E12S	252	E12S	243	1/1/1958	256	8	VC	1.30	6.04	1.15	8	Rehab	1248G2	MT ELBRUS, DR	Clairemont Mesa West	6		
204	17763	E12S	PLUG-186	E12S	359	1/2/1958	50	8	VC	0.40	8.00	0.76	3	Rehab	1248F2	MT ETNA, DR	Clairemont Mesa West	6	Install Clean-Out	FY10 ASPHALT OVERLAY GROUP 1 - Moratorium starts 4/2010
205	17826	E12S	243	E12S	238	1/1/1958	253	8	VC	6.00	5.10	2.21	6	Rehab	1248G2	MT ELBRUS, DR	Clairemont Mesa West	6		

Total Footage	42,233
Total Mileage	8.00

Σ=	1,087
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Rehab Manhole	Rehab Manhole (Total= 13)
Point Repair Manhole	Point Repair Manhole (Total= 1)
Replace Manhole	Replace Manhole (Total= 1)
INSTALL CLEANOUTS	New Cleanouts (Total = 39)

APPENDIX J

Sewer Clean Outs and Manholes

Sewer Clean Outs and Manholes to be Rehabbed, Repaired or Replaced
Sewer Pipeline Rehabilitation AB-1

MH/PLUG FSN	FAC_TYPE	FIELD BOOK PAGE	MAP ID	FSN MAIN	MH/PLUG DEPTH ft	INV ELV	POSS. LAT'L	ACTION	STREET NAME	THOS BROS	COMMUNITY	COUNCIL DISTRICT	Comments
88780	MH	F12S	58	21265	5	365.38	0	Rehab	DOLIVA	1248H1	CLAIREMONT MESA	6	
85025	MH	E11S	269	17462	36	254	0	Rehab	EASEMENT	1248F1	CLAIREMONT MESA	6	ACCESS FROM CHATEAU DR
85028	MH	E11S	272	17461	8	285	0	Rehab	EASEMENT	1248F1	CLAIREMONT MESA	6	
88770	MH	F12S	46	21251	9	363	0	Rehab	LIVERING	1248H1	CLAIREMONT MESA	6	
85283	MH	E12S	123	17817	11	334.77	0	Rehab	MT FORAKER	1248G2	CLAIREMONT MESA	6	
85292	MH	E12S	132	17836	6	363.52	0	Rehab	MT HARRIS	1248G2	CLAIREMONT MESA	6	
85306	MH	E12S	153	17733	5	346.38	0	Rehab	MT HARRIS	1248F2	CLAIREMONT MESA	6	
85315	MH	E12S	162	17734	6	354.66	0	Rehab	MT LONGS	1248G2	CLAIREMONT MESA	6	
85307	MH	E12S	154	17736	6	350.85	0	Rehab	MT LONGS	1248G2	CLAIREMONT MESA	6	
85389	MH	E12S	240	17829	12	316.41	0	Rehab	MY ELBRUS	1248F3	CLAIREMONT MESA	6	
85282	MH	E12S	122	17713	6	336.17	0	Rehab	MY FRISSELL	1248F2	CLAIREMONT MESA	6	
85294	MH	E12S	134	17725	8	356.47	0	Rehab	MY LA PLATTA	1248G2	CLAIREMONT MESA	6	
88803	MH	F12S	81	21288	11	328.13	0	Rehab	PAOLA	1248H2	CLAIREMONT MESA	6	
85497	MH	E12S	359	17837	6	330.49	0	Repair	MY ETNA	1248F2	CLAIREMONT MESA	6	
88804	MH	F12S	82	21258	8	334.33	1	Replace	PAOLA	1248H2	CLAIREMONT MESA	6	LOCATE LATERAL 4472 PAOLA WAY
84996	PLUG	E11S	239	17421	4	367.76	0	INSTALL C/O	BANNOCK	1248F1	CLAIREMONT MESA	6	
85133	PLUG	E11S	391	17452	6	345.17	0	INSTALL C/O	CARIB	1248F1	CLAIREMONT MESA	6	
88787	PLUG	F12S	65	21273	5	350	2	INSTALL C/O	CASTLETON	1248H2	CLAIREMONT MESA	6	LOCATE LATERAL 4504 CASTLETON WAY, 4514 CASTLETON WAY
85135	PLUG	E11S	396	17561	6	344	0	INSTALL C/O	CHICKASAW	1248F1	CLAIREMONT MESA	6	
85136	PLUG	E11S	397	17562	10	342.21	0	INSTALL C/O	CHICKASAW	1248F1	CLAIREMONT MESA	6	
88679	PLUG	F11S	274	21157	6	369.16	1	INSTALL C/O	DOLIVA	1248H1	CLAIREMONT MESA	6	LOCATE LATERAL 4684 DOLIVA DR
88781	PLUG	F12S	59	21267	6	360	0	INSTALL C/O	DOLIVA	1248H2	CLAIREMONT MESA	6	
84927	PLUG	E11S	160	17356	5	365.12	0	INSTALL C/O	FRINK	1248F1	CLAIREMONT MESA	6	
88773	PLUG	F12S	49	21254	6	362.3	1	INSTALL C/O	LIMERICK	1248H2	CLAIREMONT MESA	6	LOCATE LATERAL 4611 LIMERICK AVE
88805	PLUG	F12S	83	21257	5	360	1	INSTALL C/O	LIMERICK	1248H2	CLAIREMONT MESA	6	LOCATE LATERAL 4416 LIMERICK WY
88689	PLUG	F11S	287	21159	6	368	1	INSTALL C/O	LIVERING	1248H1	CLAIREMONT MESA	6	LOCATE LATERAL 5294 LIVERING LN
88690	PLUG	F11S	288	21251	6	367	1	INSTALL C/O	LYRIC	1248H1	CLAIREMONT MESA	6	LOCATE LATERAL 4681 LYRIC LN
85398	PLUG	E12S	249	17823	6	339	1	INSTALL C/O	MT DAVIS	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 4391 MT DAVIS AVE
85339	PLUG	E12S	186	17763	6	331	1	INSTALL C/O	MT ETNA	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4802 MT ETNA DR
85277	PLUG	E12S	117	17708	6	331	1	INSTALL C/O	MT ETNA	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4788 MT ETNA DR

Sewer Clean Outs and Manholes to be Rehabbed, Repaired or Replaced
Sewer Pipeline Rehabilitation AB-1

85301	PLUG	E12S	147	17728	6	372	0	INSTALL C/O	MT EVEREST	1248G2	CLAIREMONT MESA	6	
85287	PLUG	E12S	127	17719	8	361	1	INSTALL C/O	MT FORAKER	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 4551 MT FORAKER AVE
85276	PLUG	E12S	116	17713	6	336	2	INSTALL C/O	MT FRISSELL	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4825 MT FRISSELL DR, 4826 MT FRISSELL DR
85275	PLUG	E12S	115	17707	5	335	2	INSTALL C/O	MT FRISSELL	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4787 MT FRISSELL DR, 4786 MT FRISSELL DR
85407	PLUG	E12S	260	17820	5	354	1	INSTALL C/O	MT FRISSELL	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 5060 MT FRISSELL DR
85250	PLUG	E12S	90	17679	5	342	2	INSTALL C/O	MT GAYWAS	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4552 MT GAYWAS DR, 4562 MT GAYWAS DR
85242	PLUG	E12S	81	17672	5	340	2	INSTALL C/O	MT GAYWAS	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4535 MT GAYWAS DR, 4542 MT GAYWAS DR
85409	PLUG	E12S	262	17815	7	362	1	INSTALL C/O	MT GAYWAS	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 5073 MT GAYWAS DR
85302	PLUG	E12S	148	17727	6	371	1	INSTALL C/O	MT HARRIS	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 5090 MT HARRIS DR
85298	PLUG	E12S	138	17722	7	366	0	INSTALL C/O	MT HAY	1248G2	CLAIREMONT MESA	6	
85263	PLUG	E12S	103	17695	11	327	1	INSTALL C/O	MT HERBERT	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4422 MT HERBERT AVE
85309	PLUG	E12S	156	17738	6	365	1	INSTALL C/O	MT LA PALMA	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 4791 MT LA PALMA DR
85308	PLUG	E12S	155	17731	5	362	2	INSTALL C/O	MT LA PALMA	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 4781 MT LA PALMA DR, 4792 MT LA PALMA DR
85295	PLUG	E12S	135	17725	5	357	1	INSTALL C/O	MT LA PLATTA	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 5095 MT LA PLATTA DR
85034	PLUG	E11S	278	17740	7	354.04	3	INSTALL C/O	MT LA PLATTA	1248G1	CLAIREMONT MESA	6	LOCATE LATERAL 4584 MT LA PLATTA PL, 4592 MT LA PLATTA PL, 4591 MT LA PLATTA PL
85293	PLUG	E12S	133	17724	6	361.36	1	INSTALL C/O	MT LA PLATTA	1248G2	CLAIREMONT MESA	6	LOCATE LATERAL 4525 MT LA PLATTA CT
85239	PLUG	E12S	78	17669	5	334.67	1	INSTALL C/O	MT LINDSEY	1248F2	CLAIREMONT MESA	6	LOCATE LATERAL 4501 MT LINDSEY PL
85247	PLUG	E12S	87	17676	6	338.09	0	INSTALL C/O	MY HENRY	1248F2	CLAIREMONT MESA	6	
88664	PLUG	F11S	258	21147	6	363.64	1	INSTALL C/O	ONATE	1248H1	CLAIREMONT MESA	6	LIMITED ACCESS , ACCESS FROM ONATE AVE
88669	PLUG	F11S	263	21149	10	361.81	0	INSTALL C/O	ONATE	1248H1	CLAIREMONT MESA	6	LIMITED ACCESS , ACCESS FROM ONATE AVE
88682	PLUG	F11S	280	21158	6	371.24	2	INSTALL C/O	PAOLA	1248H1	CLAIREMONT MESA	6	LOCATE LATERAL 4695 PAOLA PL, 4696 PAOLA PL
84989	PLUG	E11S	232	17435	7	364.43	2	INSTALL C/O	SAUK	1248F1	CLAIREMONT MESA	6	LOCATE LATERAL 4632 SAUK AVE, 4625 SAUK AVE
84990	PLUG	E11S	233	17431	5	364.16	2	INSTALL C/O	SAUK	1248F1	CLAIREMONT MESA	6	LOCATE LATERAL 4622 SAUK AVE, 4615 SAUK AVE
85016	PLUG	E11S	259	17585	5	345.96	0	INSTALL C/O	SHOSHONI	1248F1	CLAIREMONT MESA	6	

APPENDIX K
Sewer Lateral Rehabs

Sewer Pipeline Rehab AB-1
Sewer Laterals to be Rehabilitated

No.	LATERAL FSN	SIZE	STRT NUM	STRT NAME	CLEAN-OUT LOC	OFFSET	OFFST FT	FLD_BK PAG	THOS BROs	MAIN FSN	ACCESS
1	175229	4	4368	CLAIREMONT MESA	UNSET	MANHOLE	167	E11S	1248E1	17260	
2	175287	4	4377	CLAIREMONT MESA	UNSET	LFT OF RGT LL	3	E11S	1248E1	17260	
3	175390	4	5325	CLAIREMONT MESA	UNSET	RGT OF LFT LL	10	F11S	1248H1	20986	ESMT
4	175397	4	4355	CLAIREMONT MESA	UNSET	LFT OF RGT LL	23	E11S	1248E1	17259	
5	175690	4	5277	KESLING	UNSET	LFT OF RGT LL	13	F11S	1248H1	21137	
6	175695	4	4874	BOISE	UNSET	RGT OF LFT LL	20	E11S	1248F1	17416	
7	175978	4	4605	BANNOCK	UNSET	LFT OF RGT LL	27	E11S	1248F1	17421	
8	176053	4	4819	BOISE	UNSET	RGT OF LFT LL	45	E11S	1248F1	17418	
9	176338	4	4784	CHICKASAW	UNSET	RGT OF LFT LL	24	E11S	1248F1	17566	
10	176426	4	4765	CHICKASAW	UNSET	unset	0	E11S	1248F1	17566	
11	176537	4	4745	CHICKASAW	UNSET	LFT OF RGT LL	21	E11S	1248F1	17565	
12	176731	4	4521	ACOMA	UNSET	unset	0	E11S	1248F1	17432	
13	176936	4	4682	SHOSHONI	UNSET	LFT OF RGT LL	35	E11S	1248F1	17447	
14	176984	4	4702	CHICKASAW	UNSET	RGT OF LFT LL	22	E11S	1248F1	17564	
15	177162	4	4658	SHOSHONI	UNSET	LFT OF RGT LL	32	E11S	1248F1	17446	
16	177244	4	4121	CLAIREMONT MESA	UNSET	LFT OF RGT LL	21	E11S	1248E1	17540	
17	177313	4	4666	WINNEBAGO	UNSET	LFT OF RGT LL	23	E11S	1248F1	17450	
18	177422	4	4627	CHICKASAW	UNSET	LFT OF RGT LL	22	E11S	1248F1	17561	
19	177857	4	4615	WINNEBAGO	UNSET	RGT OF LFT LL	25	E11S	1248F1	17453	
20	178084	4	5246	LIVERING	UNSET	LFT OF RGT LL	38	F11S	1248H1	21159	
21	178092	4	4696	PAOLA	UNSET	LFT OF RGT LL	38	F11S	1248H1	21158	
22	178176	4	4532	CHINOOK	UNSET	RGT OF LFT LL	15	E11S	1248F1	17454	
23	178318	4	4633	DOLIVA	UNSET	unset	0	F12S	1248H1	21265	
24	178418	4	4612	MT LA PLATTA	UNSET	MANHOLE	28	E12S	1248F1	17681	ESMT
25	178505	4	4745	MT LA PLATTA	UNSET	RGT OF LFT LL	27	E12S	1248G2	17739	
26	178889	4	4782	MT LA PALMA	UNSET	LFT OF RGT LL	38	E12S	1248G2	17731	
27	179148	4	4714	MT LONGS	UNSET	LFT OF RGT LL	24	E12S	1248F2	17732	
28	179258	4	4502	LIMERICK	UNSET	LFT OF RGT LL	27	F12S	1248H2	21268	
29	179271	4	4738	MT LONGS	UNSET	LFT OF RGT LL	24	E12S	1248G2	17732	
30	179323	4	4752	MT LONGS	UNSET	LFT OF RGT LL	38	E12S	1248G2	17732	
31	179346	4	4556	PAOLA	UNSET	LFT OF RGT LL	18	F12S	1248H2	21261	
32	179374	4	4837	MT LA PALMA	UNSET	RGT OF LFT LL	37	E12S	1248G2	17737	
33	179596	4	4489	MT LINDSEY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17673	
34	179687	4	5004	MT LA PLATTA	UNSET	RGT OF LFT LL	39	E12S	1248G2	17745	
35	179777	4	5625	CASTLETON	UNSET	LFT OF RGT LL	26	F12S	1248H2	21270	
36	179829	4	4466	MT LINDSEY	UNSET	LFT OF RGT LL	40	E12S	1248F2	17675	
37	179831	4	4465	MT LINDSEY	UNSET	LFT OF RGT LL	28	E12S	1248F2	17675	
38	179959	4	4517	MT HENRY	UNSET	LFT OF RGT LL	25	E12S	1248F2	17676	
39	180008	4	4533	MT LINDSEY	UNSET	LFT OF RGT LL	24	E12S	1248F2	17669	

Sewer Pipeline Rehab AB-1
Sewer Laterals to be Rehabilitated

40	180290	4	4502	MT HERBERT	UNSET	LFT OF RGT LL	22	E12S	1248F2	17698	
41	180407	4	5094	MT LA PLATTA	UNSET	LFT OF RGT LL	19	E12S	1248G2	17725	
42	180448	4	4902	MT HARRIS	UNSET	LFT OF RGT LL	40	E12S	1248G2	17720	
43	180538	4	4457	MT HENRY	UNSET	LFT OF RGT LL	37	E12S	1248F2	17692	
44	180676	4	4849	MT HAY	UNSET	RGT OF LFT LL	21	E12S	1248G2	17711	
45	180699	4	4445	MT HENRY	UNSET	LFT OF RGT LL	40	E12S	1248F2	17692	
46	180764	4	4802	MT GAYWAS	UNSET	RGT OF LFT LL	27	E12S	1248F2	17712	
47	180765	4	4454	MT HERBERT	UNSET	RGT OF LFT LL	28	E12S	1248F2	17696	
48	180989	4	5064	MT HARRIS	UNSET	LFT OF RGT LL	36	E12S	1248G2	17727	
49	181121	4	4916	MT GAYWAS	UNSET	RGT OF LFT LL	37	E12S	1248G2	17716	
50	181174	4	4856	MT FRISSELL	UNSET	LFT OF RGT LL	37	E12S	1248G2	17714	
51	181193	4	4835	MT FRISSELL	UNSET	RGT OF LFT LL	7	E12S	1248F2	17714	
52	181202	4	4866	MT FRISSELL	UNSET	RGT OF LFT LL	7	E12S	1248G2	17714	
53	181221	4	4845	MT FRISSELL	UNSET	LFT OF RGT LL	10	E12S	1248F2	17714	
54	181256	4	5045	MT HAY	UNSET	LFT OF RGT LL	26	E12S	1248G2	17722	
55	181270	4	4929	MT GAYWAS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17716	
56	181348	4	4986	MT GAYWAS	UNSET	LFT OF RGT LL	29	E12S	1248G2	17816	
57	181383	4	4802	MT ETNA	UNSET	LFT OF RGT LL	30	E12S	1248F2	17763	
58	181511	4	5086	MT GAYWAS	UNSET	MANHOLE	54	E12S	1248G2	17814	
59	181535	4	5033	MT GAYWAS	UNSET	LFT OF RGT LL	30	E12S	1248G2	17816	
60	181805	4	4981	MT FRISSELL	UNSET	RGT OF LFT LL	39	E12S	1248G2	17819	
61	181974	4	4972	MT ETNA	UNSET	RGT OF LFT LL	25	E12S	1248G2	17834	
62	182188	4	5032	MT ETNA	UNSET	LFT OF RGT LL	38	E12S	1248G2	17822	
63	303649	4	4398	CLAIREMONT MESA	UNSET	MANHOLE	43	E11S	1248E1	17262	
64	303893	4	4573	MANITOU	UNSET	RGT OF LFT LL	20	E11S	1248F1	17414	
65	304058	4	4843	BOISE	UNSET	RGT OF LFT LL	23	E11S	1248F1	17417	
66	304402	4	4565	SAUK	UNSET	LFT OF RGT LL	22	E11S	1248F1	17430	
67	304904	4	4701	CHICKASAW	UNSET	LFT OF RGT LL	23	E11S	1248F1	17564	
68	304974	4	4657	SHOSHONI	UNSET	RGT OF LFT LL	38	E11S	1248F1	17446	
69	305011	4	4649	SHOSHONI	UNSET	RGT OF LFT LL	28	E11S	1248F1	17446	
70	305042	4	4673	WINNEBAGO	UNSET	RGT OF LFT LL	26	E11S	1248F1	17450	
71	305162	4	4626	SHOSHONI	UNSET	LFT OF RGT LL	37	E11S	1248F1	17585	
72	305420	4	4621	WINNEBAGO	UNSET	RGT OF LFT LL	55	E11S	1248F1	17453	
73	305472	4	4607	WINNEBAGO	UNSET	RGT OF LFT LL	15	E11S	1248F1	17453	
74	305591	4	4023	CLAIREMONT MESA	UNSET	LOT LINE	0	E11S	1248E1	17542	
75	305780	4	4632	MT LA PLATTA	UNSET	MANHOLE	166	E11S	1248F1	17683	
76	305801	4	4675	MT LA PLATTA	UNSET	RGT OF LFT LL	33	E11S	1248F1	17463	
77	305849	4	4635	PAOLA	UNSET	RGT OF LFT LL	30	F12S	1248H1	21264	
78	305874	4	4606	MT LONGS	UNSET	LFT OF RGT LL	33	E12S	1248F1	17684	
79	305979	4	4611	MT LA PLATTA	UNSET	RGT OF LFT LL	34	E12S	1248F2	17684	
80	306031	4	4712	MT LA PALMA	UNSET	LFT OF RGT LL	36	E12S	1248F2	17685	

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Sewer Laterals to be Rehabilitated

81	306035	4	5369	VERGARA	UNSET	LFT OF RGT LL	41	F12S	1248H1	21266	
82	306223	4	4851	MT LA PLATTA	UNSET	LFT OF RGT LL	39	E12S	1248G2	17742	
83	306685	4	0		UNSET	LFT OF RGT LL	42	F12S	1248H2	21259	
84	306720	4	4488	MT LINDSEY	UNSET	RGT OF LFT LL	37	E12S	1248F2	17674	
85	306783	4	5605	CASTLETON	UNSET	LFT OF RGT LL	15	F12S	1248H2	21270	
86	306816	4	4581	MT FORAKER	UNSET	RGT OF LFT LL	74	E12S	1248G2	17745	
87	306819	4	4726	MT HARRIS	UNSET	LFT OF RGT LL	33	E12S	1248F2	17733	
88	306884	4	4528	MT LINDSEY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17669	
89	307019	4	4675	MT GAYWAS	UNSET	LFT OF RGT LL	36	E12S	1248F2	17677	
90	307122	4	4480	MT HENRY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17691	
91	307194	4	4475	MT HENRY	UNSET	RGT OF LFT LL	37	E12S	1248F2	17691	
92	307263	4	4763	MT HAY	UNSET	LFT OF RGT LL	18	E12S	1248F2	17704	
93	307274	4	5085	MT LA PLATTA	UNSET	LFT OF RGT LL	30	E12S	1248G2	17725	
94	307295	4	4775	MT HAY	UNSET	RGT OF LFT LL	34	E12S	1248F2	17704	
95	307312	4	4463	MT HENRY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17692	
96	307334	4	4441	PAOLA	UNSET	RGT OF LFT LL	33	F12S	1248H2	21288	
97	307459	4	4681	MT FRISSELL	UNSET	LFT OF RGT LL	36	E12S	1248F2	17706	
98	307520	4	4877	MT HAY	UNSET	RGT OF LFT LL	45	E12S	1248G2	17717	
99	307549	4	4963	MT HARRIS	UNSET	RGT OF LFT LL	36	E12S	1248G2	17723	
100	307603	4	5003	MT HARRIS	UNSET	RGT OF LFT LL	46	E12S	1248G2	17723	
101	307641	4	4917	MT HAY	UNSET	LFT OF RGT LL	17	E12S	1248G2	17717	
102	307819	4	4986	MT HAY	UNSET	RGT OF LFT LL	36	E12S	1248G2	17722	
103	307825	4	5064	MT HAY	UNSET	RGT OF LFT LL	43	E12S	1248G2	17722	
104	307908	4	5065	MT HAY	UNSET	LFT OF RGT LL	14	E12S	1248G2	17722	
105	307912	4	4788	MT ETNA	UNSET	RGT OF LFT LL	31	E12S	1248F2	17708	
106	307916	4	4481	MT EVEREST	UNSET	unset	0	E12S	1248G2	17814	
107	308283	4	4894	MT ELBRUS	UNSET	LFT OF RGT LL	39	E12S	1248F2	17832	
108	308317	4	4884	MT ELBRUS	UNSET	RGT OF LFT LL	29	E12S	1248F2	17831	
109	308339	4	5011	MT FRISSELL	UNSET	RGT OF LFT LL	39	E12S	1248G2	17819	
110	308417	4	4982	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17834	
111	308459	4	4911	MT ELBRUS	UNSET	RGT OF LFT LL	25	E12S	1248F2	17833	
112	308484	4	4936	MT ELBRUS	UNSET	LFT OF RGT LL	30	E12S	1248G2	17826	
113	308487	4	4826	MT ELBRUS	UNSET	RGT OF LFT LL	45	E12S	1248F2	17761	
114	308509	4	4991	MT ETNA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17834	
115	308635	4	4992	MT ELBRUS	UNSET	RGT OF LFT LL	27	E12S	1248G2	17825	
116	308647	4	4345	MT ELBRUS	UNSET	RGT OF LFT LL	41	E12S	1248G2	17830	
117	308681	4	4338	MT ELBRUS	UNSET	LFT OF RGT LL	48	E12S	1248F2	17829	
118	175233	4	4397	CLAIREMONT MESA	UNSET	LFT OF RGT LL	50	E11S	1248F1	17262	
119	175258	4	4391	CLAIREMONT MESA	UNSET	LFT OF RGT LL	25	E11S	1248F1	17262	
120	175306	4	4373	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17260	
121	175315	4	4338	CLAIREMONT MESA	UNSET	MANHOLE	24	E11S	1248E1	17259	

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Sewer Laterals to be Rehabilitated

122	175408	4	4879	FRINK	UNSET	LFT OF RGT LL	33	E11S	1248F1	17356	
123	175452	4	4572	MANITOU	UNSET	LFT OF RGT LL	40	E11S	1248F1	17414	
124	175581	4	5288	KESLING	UNSET	RGT OF LFT LL	36	F11S	1248H1	21146	
125	175583	4	4533	MANITOU	UNSET	RGT OF LFT LL	33	E11S	1248F1	17413	
126	175848	4	4590	BANNOCK	UNSET	unset	0	E11S	1248F1	17421	
127	175934	4	4831	BOISE	UNSET	RGT OF LFT LL	27	E11S	1248F1	17418	
128	175993	4	4825	BOISE	UNSET	RGT OF LFT LL	31	E11S	1248F1	17418	
129	176111	4	4813	BOISE	UNSET	RGT OF LFT LL	31	E11S	1248F1	17419	
130	176347	4	4774	CHICKASAW	UNSET	RGT OF LFT LL	21	E11S	1248F1	17566	
131	176500	4	4645	SAUK	UNSET	LFT OF RGT LL	25	E11S	1248F1	17435	
132	176532	4	4744	CHICKASAW	UNSET	RGT OF LFT LL	21	E11S	1248F1	17565	
133	176597	4	4562	ACOMA	UNSET	RGT OF LFT LL	21	E11S	1248F1	17433	
134	176627	4	4512	ACOMA	UNSET	RGT OF LFT LL	23	E11S	1248F1	17432	
135	176688	4	4726	CHICKASAW	UNSET	RGT OF LFT LL	25	E11S	1248F1	17564	
136	176742	4	4511	ACOMA	UNSET	RGT OF LFT LL	32	E11S	1248F1	17432	
137	177073	4	4674	CHICKASAW	UNSET	LFT OF RGT LL	38	E11S	1248F1	17562	
138	177245	4	4676	WINNEBAGO	UNSET	LFT OF RGT LL	52	E11S	1248F1	17450	
139	177290	4	4633	SHOSHONI	UNSET	RGT OF LFT LL	22	E11S	1248F1	17446	
140	177572	4	4602	SHOSHONI	UNSET	LFT OF RGT LL	11	E11S	1248F1	17585	
141	177904	4	4568	CHINOOK	UNSET	RGT OF LFT LL	18	E11S	1248F1	17559	
142	178056	4	4554	CHINOOK	UNSET	RGT OF LFT LL	32	E11S	1248F1	17558	
143	178086	4	5270	LIVERING	UNSET	RGT OF LFT LL	40	F11S	1248H1	21159	
144	178091	4	4695	PAOLA	UNSET	RGT OF LFT LL	20	F11S	1248H1	21158	
145	178178	4	4526	CHINOOK	UNSET	RGT OF LFT LL	25	E11S	1248F1	17454	
146	178179	4	4671	LIMERICK	UNSET	LFT OF RGT LL	40	F11S	1248H1	21250	
147	178203	4	4671	PAOLA	UNSET	LFT OF RGT LL	17	F11S	1248H1	21158	
148	178268	4	4716	MT LA PLATTA	UNSET	MANHOLE	3	E11S	1248F1	17463	
149	178277	4	0		UNSET	MANHOLE	47	E11S	1248G1	17740	
150	178296	4	4661	LIMERICK	UNSET	RGT OF LFT LL	63	F11S	1248H1	21250	
151	178345	4	4655	LYRIC	UNSET	RGT OF LFT LL	19	F12S	1248H1	21251	
152	178473	4	4633	DOLIVA	UNSET	MANHOLE	16	F12S	1248H1	21265	
153	178552	4	4757	MT LA PLATTA	UNSET	RGT OF LFT LL	31	E12S	1248G2	17739	
154	178741	4	3961	CLAIREMONT MESA	UNSET	RGT OF LFT LL	23	E12S	1248E2	17587	
155	178815	4	4852	MT LA PLATTA	UNSET	LFT OF RGT LL	39	E12S	1248G2	17742	
156	179006	4	4781	MT LA PALMA	UNSET	RGT OF LFT LL	27	E12S	1248G2	17731	
157	179094	4	4791	MT LA PALMA	UNSET	LFT OF RGT LL	41	E12S	1248G2	17738	
158	179125	4	4916	MT LA PLATTA	UNSET	LFT OF RGT LL	24	E12S	1248G2	17744	
159	179158	4	4583	LIMERICK	UNSET	LFT OF RGT LL	6	F12S	1248H2	21255	
160	179200	4	4726	MT LONGS	UNSET	RGT OF LFT LL	16	E12S	1248F2	17732	
161	179220	4	4928	MT LA PLATTA	UNSET	RGT OF LFT LL	21	E12S	1248G2	17744	
162	179308	4	4517	MT FRISSELL	UNSET	LFT OF RGT LL	38	E12S	1248F2	17673	

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Sewer Laterals to be Rehabilitated

163	179351	4	4540	LIMERICK	UNSET	LFT OF RGT LL	11	F12S	1248H2	21255	
164	179461	4	4530	LIMERICK	UNSET	RGT OF LFT LL	42	F12S	1248H2	21256	
165	179466	4	4543	LIMERICK	UNSET	LFT OF RGT LL	27	F12S	1248H2	21256	
166	179475	4	4804	MT LONGS	UNSET	RGT OF LFT LL	37	E12S	1248G2	17736	
167	179597	4	0		UNSET	RGT OF LFT LL	46	F12S	1248H2	21259	
168	179670	4	5628	CASTLETON	UNSET	RGT OF LFT LL	27	F12S	1248H2	21270	
169	179672	4	4483	MT LINDSEY	UNSET	LFT OF RGT LL	38	E12S	1248F2	17674	
170	179709	4	4477	MT LINDSEY	UNSET	LFT OF RGT LL	33	E12S	1248F2	17674	
171	179758	4	5668	CASTLETON	UNSET	RGT OF LFT LL	32	F12S	1248H2	21270	
172	179808	4	4501	MT LINDSEY	UNSET	LFT OF RGT LL	26	E12S	1248F2	17669	
173	179860	4	0		UNSET	LFT OF RGT LL	25	F12S	1248H2	21259	
174	179881	4	4509	MT LINDSEY	UNSET	RGT OF LFT LL	18	E12S	1248F2	17669	
175	179882	4	4518	MT HENRY	UNSET	LFT OF RGT LL	25	E12S	1248F2	17676	
176	179933	4	4524	CASTLETON	UNSET	LFT OF RGT LL	15	F12S	1248H2	21273	
177	180043	4	4501	MT HENRY	UNSET	LFT OF RGT LL	31	E12S	1248F2	17690	
178	180046	4	4482	PAOLA	UNSET	LFT OF RGT LL	32	F12S	1248H2	21258	
179	180120	4	4479	PAOLA	UNSET	LFT OF RGT LL	33	F12S	1248H2	21258	
180	180143	4	4787	MT HARRIS	UNSET	RGT OF LFT LL	28	E12S	1248G2	17718	
181	180167	4	4715	MT HAY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17703	
182	180264	4	5075	MT LA PLATTA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17725	
183	180292	4	4762	MT HAY	UNSET	LFT OF RGT LL	29	E12S	1248F2	17704	
184	180323	4	4452	PAOLA	UNSET	RGT OF LFT LL	30	F12S	1248H2	21288	
185	180349	4	4423	MT LINDSEY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17643	
186	180487	4	4664	MT FRISSELL	UNSET	LFT OF RGT LL	31	E12S	1248F2	17699	
187	180523	4	4834	MT HAY	UNSET	LFT OF RGT LL	31	E12S	1248G2	17711	
188	180626	4	4833	MT HAY	UNSET	LFT OF RGT LL	27	E12S	1248G2	17711	
189	180665	4	4952	MT HARRIS	UNSET	MANHOLE	24	E12S	1248G2	17720	
190	180683	4	4455	MT HERBERT	UNSET	RGT OF LFT LL	30	E12S	1248F2	17697	
191	180710	4	4863	MT HAY	UNSET	LFT OF RGT LL	31	E12S	1248G2	17711	
192	180855	4	4715	MT FRISSELL	UNSET	RGT OF LFT LL	31	E12S	1248F2	17706	
193	180869	4	4932	MT HAY	UNSET	LFT OF RGT LL	29	E12S	1248G2	17721	
194	180986	4	4786	MT FRISSELL	UNSET	RGT OF LFT LL	31	E12S	1248F2	17707	
195	181033	4	4763	MT FRISSELL	UNSET	LFT OF RGT LL	29	E12S	1248F2	17707	
196	181038	4	5090	MT HARRIS	UNSET	LFT OF RGT LL	36	E12S	1248G2	17727	
197	181071	4	4826	MT FRISSELL	UNSET	LFT OF RGT LL	23	E12S	1248F2	17713	
198	181385	4	4473	MT EVEREST	UNSET	LFT OF RGT LL	25	E12S	1248G2	17814	
199	181509	4	4461	MT EVEREST	UNSET	RGT OF LFT LL	10	E12S	1248G2	17814	
200	181655	4	4972	MT FRISSELL	UNSET	RGT OF LFT LL	9	E12S	1248G2	17818	
201	181704	4	5087	MT GAYWAS	UNSET	MANHOLE	42	E12S	1248G2	17814	in MH?
202	181709	4	4912	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17835	
203	181959	4	5023	MT FRISSELL	UNSET	LFT OF RGT LL	38	E12S	1248G2	17820	

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204	182040	4	4920	MT ELBRUS	UNSET	LFT OF RGT LL	36	E12S	1248G2	17833	
205	182056	4	5055	MT FRISSELL	UNSET	LFT OF RGT LL	25	E12S	1248G2	17820	
206	182220	4	4391	MT DAVIS	UNSET	LFT OF RGT LL	39	E12S	1248G2	17823	
207	182389	4	4981	MT ELBRUS	UNSET	RGT OF LFT LL	15	E12S	1248G2	17825	
208	182442	4	4361	MT DAVIS	UNSET	MANHOLE	15	E12S	1248G3	17825	in MH?
209	182548	4	4315	MT ELBRUS	UNSET	RGT OF LFT LL	33	E12S	1248F3	17829	
210	303890	4	4549	MANITOU	UNSET	RGT OF LFT LL	35	E11S	1248F1	17413	
211	303897	4	4327	CLAIREMONT MESA	UNSET	LFT OF RGT LL	23	E11S	1248E1	17259	
212	303959	4	5303	KESLING	UNSET	RGT OF LFT LL	23	F11S	1248H1	21146	
213	303967	4	4315	CLAIREMONT MESA	UNSET	LFT OF RGT LL	18	E11S	1248E1	17532	
214	304003	4	4309	CLAIREMONT MESA	UNSET	LFT OF RGT LL	18	E11S	1248E1	17532	
215	304175	4	4826	BOISE	UNSET	LFT OF RGT LL	32	E11S	1248F1	17418	
216	304632	4	4735	CHICKASAW	UNSET	LFT OF RGT LL	37	E11S	1248F1	17564	
217	304645	4	4181	CLAIREMONT MESA	UNSET	LFT OF RGT LL	28	E11S	1248E1	17536	
218	304792	4	4597	ACOMA	UNSET	RGT OF LFT LL	27	E11S	1248F1	17434	
219	304805	4	4711	CHICKASAW	UNSET	LFT OF RGT LL	21	E11S	1248F1	17564	
220	305031	4	4686	WINNEBAGO	UNSET	unset	0	E11S	1248F1	17562	
221	305053	4	4650	SHOSHONI	UNSET	LFT OF RGT LL	32	E11S	1248F1	17446	
222	305078	4	4642	SHOSHONI	UNSET	RGT OF LFT LL	18	E11S	1248F1	17446	
223	305112	4	4634	SHOSHONI	UNSET	LFT OF RGT LL	34	E11S	1248F1	17446	
224	305316	4	4420	CARIB	UNSET	RGT OF LFT LL	15	E11S	1248F1	17452	
225	305575	4	4601	WINNEBAGO	UNSET	RGT OF LFT LL	36	E11S	1248F1	17455	
226	305584	4	4527	CHINOOK	UNSET	LFT OF RGT LL	41	E11S	1248F1	17454	
227	305640	4	4548	CHINOOK	UNSET	RGT OF LFT LL	18	E11S	1248F1	17558	
228	305647	4	4510	CHINOOK	UNSET	RGT OF LFT LL	36	E11S	1248F1	17455	
229	305768	4	4648	PAOLA	UNSET	LFT OF RGT LL	22	F12S	1248H1	21264	
230	305839	4	4644	LYRIC	UNSET	RGT OF LFT LL	41	F12S	1248H1	21253	
231	305842	4	4592	MT LA PLATTA	UNSET	RGT OF LFT LL	36	E12S	1248G1	17741	
232	305919	4	5340	VERGARA	UNSET	RGT OF LFT LL	46	F12S	1248H1	21263	
233	305991	4	4601	MT LA PLATTA	UNSET	RGT OF LFT LL	18	E12S	1248F2	17682	in MH?
234	306033	4	5345	VERGARA	UNSET	LFT OF RGT LL	20	F12S	1248H1	21263	
235	306038	4	5381	VERGARA	UNSET	LFT OF RGT LL	22	F12S	1248H1	21266	
236	306361	4	4580	PAOLA	UNSET	RGT OF LFT LL	44	F12S	1248H2	21261	
237	306446	4	4512	LIMERICK	UNSET	RGT OF LFT LL	10	F12S	1248H2	21268	
238	306473	4	4602	MT GAYWAS	UNSET	LFT OF RGT LL	26	E12S	1248F2	17679	
239	306488	4	4523	MT GAYWAS	UNSET	RGT OF LFT LL	35	E12S	1248F2	17672	
240	306547	4	4941	MT LA PLATTA	UNSET	LFT OF RGT LL	40	E12S	1248G2	17744	
241	306571	4	4952	MT LA PLATTA	UNSET	RGT OF LFT LL	37	E12S	1248G2	17744	
242	306575	4	4753	MT LONGS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17732	
243	306739	4	4975	MT LA PLATTA	UNSET	LFT OF RGT LL	17	E12S	1248G2	17744	
244	306751	4	4831	MT LONGS	UNSET	LFT OF RGT LL	24	E12S	1248G2	17736	

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245	306821	4	4551	CASTLETON	UNSET	LFT OF RGT LL	23	F12S	1248H2	21273	
246	306827	4	4701	MT HARRIS	UNSET	RGT OF LFT LL	36	E12S	1248F2	17733	
247	306846	4	4534	MT HENRY	UNSET	RGT OF LFT LL	37	E12S	1248F2	17676	
248	306896	4	4948	MT LONGS	UNSET	RGT OF LFT LL	36	E12S	1248G2	17734	
249	306945	4	4490	PAOLA	UNSET	LFT OF RGT LL	39	F12S	1248H2	21258	
250	306962	4	4542	MT LINDSEY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17641	
251	306972	4	4525	MT LINDSEY	UNSET	LFT OF RGT LL	23	E12S	1248F2	17669	
252	307000	4	4487	PAOLA	UNSET	RGT OF LFT LL	30	F12S	1248H2	21258	
253	307029	4	4553	MT HERBERT	UNSET	LFT OF RGT LL	38	E12S	1248F2	17689	
254	307042	4	4493	MT HENRY	UNSET	RGT OF LFT LL	30	E12S	1248F2	17690	
255	307053	4	4549	MT LINDSEY	UNSET	LFT OF RGT LL	36	E12S	1248F2	17641	
256	307079	4	4486	MT HENRY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17691	
257	307085	4	4816	MT HARRIS	UNSET	RGT OF LFT LL	34	E12S	1248G2	17718	
258	307136	4	4738	MT HAY	UNSET	RGT OF LFT LL	45	E12S	1248F2	17704	
259	307140	4	4844	MT HARRIS	UNSET	MANHOLE	44	E12S	1248G2	17919	
260	307270	4	4451	PAOLA	UNSET	LFT OF RGT LL	32	F12S	1248H2	21288	
261	307288	4	4804	MT HAY	UNSET	LFT OF RGT LL	44	E12S	1248G2	17711	
262	307422	4	4405	MT LINDSEY	UNSET	RGT OF LFT LL	41	E12S	1248F2	17643	
263	307427	4	4915	MT HARRIS	UNSET	RGT OF LFT LL	26	E12S	1248G2	17720	
264	307434	4	4451	MT HENRY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17692	
265	307437	4	4678	MT FRISSELL	UNSET	LFT OF RGT LL	26	E12S	1248F2	17706	
266	307455	4	4460	MT HERBERT	UNSET	LFT OF RGT LL	35	E12S	1248F2	17697	
267	307501	4	4771	MT GAYWAS	UNSET	RGT OF LFT LL	17	E12S	1248F2	17712	
268	307529	4	4714	MT FRISSELL	UNSET	RGT OF LFT LL	33	E12S	1248F2	17706	
269	307578	4	4918	MT HAY	UNSET	LFT OF RGT LL	30	E12S	1248G2	17717	
270	307614	4	4817	MT GAYWAS	UNSET	RGT OF LFT LL	33	E12S	1248F2	17712	
271	307628	4	4442	MT HERBERT	UNSET	RGT OF LFT LL	30	E12S	1248F2	17693	
272	308240	4	4922	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17835	
273	308423	4	5045	MT FRISSELL	UNSET	LFT OF RGT LL	35	E12S	1248G2	17820	
274	308447	4	4992	MT ETNA	UNSET	LFT OF RGT LL	25	E12S	1248G2	17834	
275	308549	4	4810	MT ELBRUS	UNSET	LFT OF RGT LL	8	E12S	1248F2	17761	
276	308564	4	4962	MT ELBRUS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17825	
277	308565	4	5042	MT ETNA	UNSET	RGT OF LFT LL	37	E12S	1248G2	17822	
278	308582	4	4951	MT ELBRUS	UNSET	LFT OF RGT LL	29	E12S	1248G2	17826	
279	308692	4	4991	MT ELBRUS	UNSET	LFT OF RGT LL	31	E12S	1248G3	17825	
280	1146585	4	3919	CLAIREMONT MESA	UNSET	LFT OF RGT LL	3	E12S	1248E2	17586	
281	5577260	6	0		UNSET	unset	0	E12S	1248F2	17695	
282	175450	4	4564	MANITOU	UNSET	LFT OF RGT LL	25	E11S	1248F1	17414	
283	175456	4	4892	DOLIVA	UNSET	LFT OF RGT LL	10	F11S	1248H1	21147	ESMT
284	175535	4	4333	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17259	
285	175594	4	5322	KESLING	UNSET	LFT OF RGT LL	19	F11S	1248H1	21146	

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286	175638	4	4321	CLAIREMONT MESA	UNSET	LFT OF RGT LL	47	E11S	1248E1	17532	
287	175794	4	4858	BOISE	UNSET	RGT OF LFT LL	20	E11S	1248F1	17417	
288	175845	4	4582	BANNOCK	UNSET	RGT OF LFT LL	34	E11S	1248F1	17421	
289	176362	4	4615	SAUK	UNSET	LFT OF RGT LL	43	E11S	1248F1	17431	
290	176778	4	4718	CHICKASAW	UNSET	RGT OF LFT LL	22	E11S	1248F1	17564	
291	176869	4	4710	CHICKASAW	UNSET	RGT OF LFT LL	25	E11S	1248F1	17564	
292	177163	4	4681	WINNEBAGO	UNSET	RGT OF LFT LL	28	E11S	1248F1	17450	
293	177697	4	4049	CLAIREMONT MESA	UNSET	LFT OF RGT LL	45	E11S	1248E1	17541	
294	177894	4	4610	WINNEBAGO	UNSET	unset	0	E11S	1248F1	17453	
295	178085	4	5258	LIVERING	UNSET	LFT OF RGT LL	30	F11S	1248H1	21159	
296	178159	4	4518	CHINOOK	UNSET	RGT OF LFT LL	21	E11S	1248F1	17454	
297	178165	4	4672	PAOLA	UNSET	LFT OF RGT LL	41	F11S	1248H1	21158	
298	178170	4	0		UNSET	LFT OF RGT LL	34	E11S	1248G1	17740	
299	178223	4	5269	LIVERING	UNSET	LFT OF RGT LL	20	F11S	1248H1	21159	
300	178355	4	0		UNSET	RGT OF LFT LL	32	E12S	1248G1	17741	
301	178531	4	5303	VERGARA	UNSET	RGT OF LFT LL	41	F12S	1248H1	21252	
302	178574	4	4620	LYRIC	UNSET	LFT OF RGT LL	20	F12S	1248H1	21253	
303	178812	4	3925	CLAIREMONT MESA	UNSET	LFT OF RGT LL	15	E12S	1248E2	5055322	
304	178971	4	4863	MT LA PLATTA	UNSET	RGT OF LFT LL	23	E12S	1248G2	17743	
305	179022	4	4802	MT LA PALMA	UNSET	LFT OF RGT LL	27	E12S	1248G2	17738	
306	179038	4	4509	LIMERICK	UNSET	RGT OF LFT LL	20	F12S	1248H2	21268	
307	179369	4	4561	PAOLA	UNSET	RGT OF LFT LL	20	F12S	1248H2	21261	
308	179460	4	0		UNSET	RGT OF LFT LL	24	F12S	1248H2	21259	
309	179547	4	0		UNSET	RGT OF LFT LL	26	F12S	1248H2	21259	
310	179557	4	4777	MT LONGS	UNSET	RGT OF LFT LL	27	E12S	1248G2	17732	
311	179583	4	5560	CASTLETON	UNSET	RGT OF LFT LL	28	F12S	1248H2	21270	
312	179640	4	5445	CASTLETON	UNSET	LFT OF RGT LL	45	F12S	1248H2	21260	
313	179691	4	0		UNSET	LFT OF RGT LL	25	F12S	1248H2	21259	
314	179733	4	4843	MT LONGS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17736	
315	179861	4	4541	CASTLETON	UNSET	LFT OF RGT LL	45	F12S	1248H2	21273	
316	179864	4	4498	PAOLA	UNSET	LFT OF RGT LL	39	F12S	1248H2	21258	
317	179929	4	4571	MT FORAKER	UNSET	LFT OF RGT LL	35	E12S	1248G2	17734	
318	179945	4	4764	MT HARRIS	UNSET	LFT OF RGT LL	28	E12S	1248G2	17718	
319	180102	4	4532	MT LA PLATTA	UNSET	LFT OF RGT LL	38	E12S	1248G2	17724	
320	180214	4	5074	MT LA PLATTA	UNSET	LFT OF RGT LL	24	E12S	1248G2	17725	
321	180219	4	4416	LIMERICK	UNSET	unset	0	F12S	1248H2	21257	
322	180224	4	4727	MT HAY	UNSET	LFT OF RGT LL	20	E12S	1248F2	17704	
323	180423	4	4871	MT HARRIS	UNSET	RGT OF LFT LL	30	E12S	1248G2	17919	
324	180436	4	5095	MT LA PLATTA	UNSET	RGT OF LFT LL	32	E12S	1248G2	17725	
325	180483	4	4418	MT LINDSEY	UNSET	LFT OF RGT LL	24	E12S	1248F2	17643	
326	180518	4	4914	MT HARRIS	UNSET	LFT OF RGT LL	25	E12S	1248G2	17720	

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327	180565	4	4439	MT HENRY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17692	
328	180568	4	4850	MT HAY	UNSET	RGT OF LFT LL	45	E12S	1248G2	17711	
329	180635	4	4402	MT LINDSEY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17643	in MH?
330	180666	4	4878	MT HAY	UNSET	LFT OF RGT LL	30	E12S	1248G2	17717	
331	180714	4	4890	MT HAY	UNSET	RGT OF LFT LL	34	E12S	1248G2	17717	
332	180723	4	4792	MT GAYWAS	UNSET	LFT OF RGT LL	28	E12S	1248F2	17712	
333	180766	4	4559	MT KING	UNSET	RGT OF LFT LL	40	E12S	1248F2	17644	
334	180789	4	5002	MT HARRIS	UNSET	MANHOLE	156	E12S	1248G2	17723	
335	180790	4	4904	MT HAY	UNSET	LFT OF RGT LL	34	E12S	1248G2	17717	
336	180796	4	4697	MT FRISSELL	UNSET	LFT OF RGT LL	27	E12S	1248F2	17706	
337	180823	4	4448	MT HERBERT	UNSET	LFT OF RGT LL	31	E12S	1248F2	17696	
338	180937	4	4960	MT HAY	UNSET	LFT OF RGT LL	30	E12S	1248G2	17721	
339	180972	4	4589	MT KING	UNSET	LFT OF RGT LL	36	E12S	1248F2	17693	
340	181011	4	4595	MT KING	UNSET	LFT OF RGT LL	24	E12S	1248F2	17693	
341	181063	4	4775	MT FRISSELL	UNSET	RGT OF LFT LL	32	E12S	1248F2	17707	
342	181206	4	4422	MT HERBERT	UNSET	LFT OF RGT LL	25	E12S	1248F2	17695	
343	181328	4	4943	MT GAYWAS	UNSET	LFT OF RGT LL	52	E12S	1248G2	17716	
344	181370	4	4902	MT FRISSELL	UNSET	LFT OF RGT LL	41	E12S	1248G2	17817	
345	181460	4	0		UNSET	LFT OF RGT LL	30	E12S	1248F2	17837	
346	181753	4	5002	MT FRISSELL	UNSET	RGT OF LFT LL	34	E12S	1248G2	17819	
347	181785	4	4441	MT EVEREST	UNSET	LFT OF RGT LL	27	E12S	1248G2	17813	
348	181788	4	4932	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17835	
349	181841	4	4942	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17835	
350	181846	4	4433	MT EVEREST	UNSET	RGT OF LFT LL	9	E12S	1248G2	17813	
351	181861	4	4921	MT ETNA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17835	
352	181931	4	4864	MT ELBRUS	UNSET	RGT OF LFT LL	29	E12S	1248F2	17762	
353	182163	4	5022	MT ETNA	UNSET	RGT OF LFT LL	13	E12S	1248G2	17822	
354	182250	4	4802	MT ELBRUS	UNSET	LFT OF RGT LL	10	E12S	1248F2	17761	in MH?
355	182276	4	4353	MT ELBRUS	UNSET	LFT OF RGT LL	35	E12S	1248G2	17830	
356	182288	4	4982	MT ELBRUS	UNSET	LFT OF RGT LL	32	E12S	1248G2	17825	
357	279918	4	4429	LIMERICK	UNSET	unset	0	F12S	1248H2	21257	
358	303783	4	5385	CLAIREMONT MESA	UNSET	LFT OF RGT LL	65	F11S	1248H1	20984	ESMT
359	303882	4	5332	KESLING	UNSET	RGT OF LFT LL	37	F11S	1248H1	21148	ESMT
360	304141	4	4838	BOISE	UNSET	RGT OF LFT LL	20	E11S	1248F1	17417	
361	304343	4	4602	SAUK	UNSET	LFT OF RGT LL	45	E11S	1248F1	17431	
362	304513	4	4741	SHOSHONI	UNSET	RGT OF LFT LL	22	E11S	1248F1	17427	
363	304671	4	4502	ACOMA	UNSET	unset	0	E11S	1248F1	17432	
364	304701	4	4716	SHOSHONI	UNSET	LFT OF RGT LL	35	E11S	1248F1	17427	
365	305085	4	4650	CHICKASAW	UNSET	RGT OF LFT LL	27	E11S	1248F1	17561	
366	305303	4	4060	CLAIREMONT MESA	UNSET	unset	0	E11S	1248E1	17541	
367	305626	4	4683	PAOLA	UNSET	RGT OF LFT LL	38	F11S	1248H1	21158	

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368	305721	4	4672	MT LA PLATTA	UNSET	MANHOLE	63	E11S	1248F1	17463	
369	305725	4	4682	MT LA PLATTA	UNSET	MANHOLE	108	E11S	1248F1	17463	
370	305781	4	4661	LIMERICK	UNSET	RGT OF LFT LL	53	F12S	1248H1	21250	
371	305799	4	0		UNSET	MANHOLE	26	E12S	1248E2	17589	
372	305830	4	4622	MT LA PLATTA	UNSET	LFT OF RGT LL	42	E12S	1248F1	17682	
373	305899	4	4632	LYRIC	UNSET	RGT OF LFT LL	38	F12S	1248H1	21253	
374	306021	4	5331	VERGARA	UNSET	LFT OF RGT LL	45	F12S	1248H1	21263	
375	306048	4	4630	MT LONGS	UNSET	RGT OF LFT LL	50	E12S	1248F2	17684	
376	306078	4	4828	MT LA PLATTA	UNSET	LFT OF RGT LL	30	E12S	1248G2	17742	
377	306100	4	4752	MT LA PALMA	UNSET	LFT OF RGT LL	22	E12S	1248G2	17730	
378	306137	4	3939	CLAIREMONT MESA	UNSET	RGT OF LFT LL	25	E12S	1248E2	17587	
379	306413	4	4811	MT LA PALMA	UNSET	RGT OF LFT LL	39	E12S	1248G2	17738	
380	306497	4	4940	MT LA PLATTA	UNSET	RGT OF LFT LL	36	E12S	1248G2	17744	
381	306513	4	4524	MT FRISSELL	UNSET	RGT OF LFT LL	34	E12S	1248F2	17673	
382	306533	4	4612	MT GAYWAS	UNSET	RGT OF LFT LL	35	E12S	1248F2	17679	
383	306543	4	4739	MT LONGS	UNSET	LFT OF RGT LL	23	E12S	1248F2	17732	
384	306597	4	4542	MT FRISSELL	UNSET	RGT OF LFT LL	34	E12S	1248F2	17673	
385	306632	4	0		UNSET	LFT OF RGT LL	42	F12S	1248H2	21259	
386	306633	4	4520	LIMERICK	UNSET	LFT OF RGT LL	14	F12S	1248H2	21256	
387	306747	4	4702	MT HARRIS	UNSET	LFT OF RGT LL	45	E12S	1248F2	17733	
388	306798	4	5014	MT LA PLATTA	UNSET	RGT OF LFT LL	30	E12S	1248G2	17745	
389	306914	4	4662	MT GAYWAS	UNSET	RGT OF LFT LL	36	E12S	1248F2	17677	
390	306969	4	4453	MT LINDSEY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17675	
391	307021	4	4447	MT LINDSEY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17675	
392	307072	4	4714	MT HAY	UNSET	LFT OF RGT LL	37	E12S	1248F2	17704	
393	307095	4	4830	MT HARRIS	UNSET	MANHOLE	13	E12S	1248G2	17718	
394	307116	4	4801	MT HARRIS	UNSET	LFT OF RGT LL	37	E12S	1248G2	17718	
395	307177	4	4858	MT HARRIS	UNSET	RGT OF LFT LL	26	E12S	1248G2	17919	
396	307178	4	4474	MT HENRY	UNSET	LFT OF RGT LL	34	E12S	1248F2	17691	
397	307332	4	4820	MT HAY	UNSET	RGT OF LFT LL	29	E12S	1248G2	17711	
398	307339	4	4456	MT HENRY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17692	
399	307438	4	4751	MT GAYWAS	UNSET	LFT OF RGT LL	31	E12S	1248F2	17705	
400	307491	4	4939	MT HARRIS	UNSET	RGT OF LFT LL	31	E12S	1248G2	17720	
401	307564	4	4726	MT FRISSELL	UNSET	RGT OF LFT LL	36	E12S	1248F2	17706	
402	307593	4	4575	MT KING	UNSET	LFT OF RGT LL	27	E12S	1248F2	17644	
403	307597	4	4738	MT FRISSELL	UNSET	LFT OF RGT LL	30	E12S	1248F2	17707	
404	307616	4	4644	MT ETNA	UNSET	LFT OF RGT LL	22	E12S	1248F2	17710	
405	307658	4	4762	MT FRISSELL	UNSET	RGT OF LFT LL	34	E12S	1248F2	17707	
406	307664	4	4931	MT HAY	UNSET	LFT OF RGT LL	28	E12S	1248G2	17721	
407	307734	4	5004	MT HAY	UNSET	RGT OF LFT LL	29	E12S	1248G2	17722	
408	307742	4	4902	MT GAYWAS	UNSET	LFT OF RGT LL	37	E12S	1248G2	17716	

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Sewer Laterals to be Rehabilitated

409	308020	4	4971	MT GAYWAS	UNSET	RGT OF LFT LL	21	E12S	1248G2	17816	
410	308047	4	4901	MT FRISSELL	UNSET	RGT OF LFT LL	19	E12S	1248G2	17817	
411	308335	4	5036	MT FRISSELL	UNSET	LFT OF RGT LL	13	E12S	1248G2	17820	
412	308489	4	4409	MT EVEREST	UNSET	LFT OF RGT LL	37	E12S	1248G2	17812	
413	308502	4	4833	MT ELBRUS	UNSET	LFT OF RGT LL	35	E12S	1248F2	17761	
414	308535	4	4818	MT ELBRUS	UNSET	LFT OF RGT LL	32	E12S	1248F2	17761	
415	308560	4	4941	MT ELBRUS	UNSET	LFT OF RGT LL	15	E12S	1248G2	17826	
416	308591	4	5062	MT ETNA	UNSET	RGT OF LFT LL	27	E12S	1248G2	17821	
417	308645	4	4971	MT ELBRUS	UNSET	RGT OF LFT LL	44	E12S	1248G2	17825	
418	308724	4	4330	MT ELBRUS	UNSET	MANHOLE	11	E12S	1248F3	17829	
419	5577261	6	0		UNSET	unset	0	E12S	1248F2	17696	
420	5623093	4	4876	MT GAYWAS	INSIDE PROPERTY LINE	LFT OF RGT LL	16	E12S	1248G2	17715	
421	175370	4	4361	CLAIREMONT MESA	UNSET	LFT OF RGT LL	3	E11S	1248E1	17260	
422	175446	4	4520	MANITOU	UNSET	LFT OF RGT LL	32	E11S	1248F1	17413	in MH?
423	175709	4	4861	BOISE	UNSET	RGT OF LFT LL	28	E11S	1248F1	17417	
424	176145	4	4572	SAUK	UNSET	unset	0	E11S	1248F1	17430	
425	176584	4	4542	ACOMA	UNSET	RGT OF LFT LL	16	E11S	1248F1	17432	
426	176915	4	4151	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17536	
427	176935	4	4675	SHOSHONI	UNSET	RGT OF LFT LL	33	E11S	1248F1	17447	
428	177639	4	4588	CHINOOK	UNSET	RGT OF LFT LL	33	E11S	1248F1	17560	
429	177940	4	4684	DOLIVA	UNSET	LFT OF RGT LL	40	F11S	1248H1	21157	
430	178087	4	5282	LIVERING	UNSET	RGT OF LFT LL	33	F11S	1248H1	21159	
431	178205	4	4654	DOLIVA	UNSET	LFT OF RGT LL	41	F11S	1248H1	21265	
432	178267	4	4652	MT LA PLATTA	UNSET	MANHOLE	44	E11S	1248F1	17683	
433	178288	4	4003	CLAIREMONT MESA	UNSET	unset	0	E11S	1248E2	17589	
434	178349	4	4740	MT LA PLATTA	UNSET	LFT OF RGT LL	27	E12S	1248G1	17739	
435	178446	4	4729	MT LA PLATTA	UNSET	RGT OF LFT LL	36	E12S	1248G1	17739	
436	178464	4	4602	MT LA PLATTA	UNSET	MANHOLE	30	E12S	1248F2	17681	ESMT
437	178644	4	4781	MT LA PLATTA	UNSET	RGT OF LFT LL	37	E12S	1248G2	17742	in MH?
438	178753	4	4815	MT LA PLATTA	UNSET	LFT OF RGT LL	17	E12S	1248G2	17742	
439	178777	4	4840	MT LA PLATTA	UNSET	RGT OF LFT LL	24	E12S	1248G2	17742	
440	178814	4	4741	MT LA PALMA	UNSET	RGT OF LFT LL	36	E12S	1248F2	17730	
441	178852	4	4772	MT LA PALMA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17731	
442	178979	4	4670	MT LONGS	UNSET	LFT OF RGT LL	28	E12S	1248F2	17687	
443	179020	4	4593	LIMERICK	UNSET	LFT OF RGT LL	46	F12S	1248H2	21255	
444	179113	4	4501	MT FRISSELL	UNSET	LFT OF RGT LL	26	E12S	1248F2	17673	in MH?
445	179204	4	4509	MT FRISSELL	UNSET	RGT OF LFT LL	37	E12S	1248F2	17673	
446	179233	4	4568	PAOLA	UNSET	RGT OF LFT LL	47	F12S	1248H2	21261	
447	179310	4	4842	MT LA PALMA	UNSET	LFT OF RGT LL	24	E12S	1248G2	17737	
448	179433	4	4776	MT LONGS	UNSET	LFT OF RGT LL	32	E12S	1248G2	17732	
449	179481	4	4615	MT GAYWAS	UNSET	RGT OF LFT LL	25	E12S	1248F2	17679	

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450	179512	4	4496	MT LINDSEY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17673	
451	179588	4	4963	MT LA PLATTA	UNSET	LFT OF RGT LL	44	E12S	1248G2	17744	
452	179636	4	4632	MT GAYWAS	UNSET	RGT OF LFT LL	35	E12S	1248F2	17678	
453	179675	4	4635	MT GAYWAS	UNSET	LFT OF RGT LL	34	E12S	1248F2	17678	
454	179749	4	4472	MT LINDSEY	UNSET	RGT OF LFT LL	34	E12S	1248F2	17675	
455	179785	4	0		UNSET	LFT OF RGT LL	36	F12S	1248H2	21259	
456	179786	4	0		UNSET	LFT OF RGT LL	14	F12S	1248H2	21259	
457	179938	4	4548	MT LA PLATTA	UNSET	LFT OF RGT LL	67	E12S	1248G2	17745	
458	179964	4	4531	CASTLETON	UNSET	RGT OF LFT LL	36	F12S	1248H2	21273	
459	179984	4	4672	MT GAYWAS	UNSET	RGT OF LFT LL	26	E12S	1248F2	17677	
460	179994	4	4570	MT HERBERT	UNSET	MANHOLE	16	E12S	1248F2	17701	
461	179999	4	4459	LIMERICK	UNSET	LFT OF RGT LL	10	F12S	1248H2	21257	
462	180117	4	4551	MT FORAKER	UNSET	RGT OF LFT LL	27	E12S	1248G2	17735	
463	180198	4	4533	MT LA PLATTA	UNSET	MANHOLE	174	E12S	1248G2	17724	
464	180211	4	4481	MT HENRY	UNSET	LFT OF RGT LL	46	E12S	1248F2	17691	
465	180278	4	4739	MT HAY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17704	
466	180299	4	4461	PAOLA	UNSET	RGT OF LFT LL	31	F12S	1248H2	21288	
467	180324	4	4751	MT HAY	UNSET	LFT OF RGT LL	36	E12S	1248F2	17704	
468	180434	4	4417	MT LINDSEY	UNSET	LFT OF RGT LL	34	E12S	1248F2	17643	
469	180476	4	4725	MT GAYWAS	UNSET	RGT OF LFT LL	15	E12S	1248F2	17705	
470	180737	4	4976	MT HARRIS	UNSET	MANHOLE	79	E12S	1248G2	17723	
471	180751	4	4551	MT KING	UNSET	LFT OF RGT LL	25	E12S	1248F2	17644	in MH?
472	181000	4	4945	MT HAY	UNSET	RGT OF LFT LL	34	E12S	1248G2	17721	
473	181502	4	5017	MT GAYWAS	UNSET	RGT OF LFT LL	28	E12S	1248G2	17816	
474	181576	4	4952	MT FRISSELL	UNSET	LFT OF RGT LL	26	E12S	1248G2	17818	
475	181802	4	5012	MT FRISSELL	UNSET	LFT OF RGT LL	14	E12S	1248G2	17819	
476	181809	4	4911	MT ETNA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17835	
477	181881	4	4952	MT ETNA	UNSET	RGT OF LFT LL	25	E12S	1248G2	17834	
478	182073	4	5063	MT FRISSELL	UNSET	LFT OF RGT LL	20	E12S	1248G2	17820	
479	182088	4	4928	MT ELBRUS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17826	
480	182142	4	5012	MT ETNA	UNSET	MANHOLE	75	E12S	1248G2	17822	
481	182194	4	4931	MT ELBRUS	UNSET	MANHOLE	83	E12S	1248G2	17830	
482	182212	4	4823	MT ELBRUS	UNSET	LFT OF RGT LL	25	E12S	1248F2	17761	
483	182361	4	4371	MT DAVIS	UNSET	LFT OF RGT LL	33	E12S	1248G2	17823	
484	303891	4	4557	MANITOU	UNSET	RGT OF LFT LL	40	E11S	1248F1	17413	
485	303957	4	4870	DOLIVA	UNSET	LFT OF RGT LL	54	F11S	1248H1	21149	ESMT
486	304302	4	4802	BOISE	UNSET	unset	0	E11S	1248F1	17419	
487	304313	4	4562	SAUK	UNSET	LFT OF RGT LL	30	E11S	1248F1	17430	
488	304731	4	4573	ACOMA	UNSET	RGT OF LFT LL	38	E11S	1248F1	17433	
489	304759	4	4719	CHICKASAW	UNSET	LFT OF RGT LL	15	E11S	1248F1	17564	
490	305135	4	4639	CHICKASAW	UNSET	LFT OF RGT LL	24	E11S	1248F1	17561	

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Sewer Laterals to be Rehabilitated

491	305170	4	4101	CLAIREMONT MESA	UNSET	LFT OF RGT LL	33	E11S	1248E1	17540	
492	305186	4	4618	SHOSHONI	UNSET	LFT OF RGT LL	20	E11S	1248F1	17585	
493	305211	4	4601	SHOSHONI	UNSET	RGT OF LFT LL	15	E11S	1248F1	17585	
494	305223	4	4602	CHICKASAW	UNSET	LFT OF RGT LL	25	E11S	1248F1	17560	
495	305283	4	4596	CHINOOK	UNSET	RGT OF LFT LL	17	E11S	1248F1	17560	
496	305530	4	4560	CHINOOK	UNSET	RGT OF LFT LL	34	E11S	1248F1	17559	
497	305610	4	5218	LIVERING	UNSET	LFT OF RGT LL	38	F11S	1248H1	21166	
498	305662	4	4540	CHINOOK	UNSET	RGT OF LFT LL	22	E11S	1248F1	17558	
499	305757	4	4646	DOLIVA	UNSET	LFT OF RGT LL	41	F11S	1248H1	21265	
500	305779	4	4638	DOLIVA	UNSET	LFT OF RGT LL	22	F12S	1248H1	21265	
501	305791	4	4647	PAOLA	UNSET	RGT OF LFT LL	38	F12S	1248H1	21264	
502	305892	4	3985	CLAIREMONT MESA	UNSET	RGT OF LFT LL	22	E12S	1248E2	17588	
503	306028	4	5357	VERGARA	UNSET	LFT OF RGT LL	38	F12S	1248H1	21266	
504	306056	4	3967	CLAIREMONT MESA	UNSET	LFT OF RGT LL	24	E12S	1248E2	305943	
505	306143	4	4827	MT LA PLATTA	UNSET	LFT OF RGT LL	24	E12S	1248G2	17742	
506	306338	4	4875	MT LA PLATTA	UNSET	RGT OF LFT LL	26	E12S	1248G2	17743	
507	306383	4	4801	MT LA PALMA	UNSET	RGT OF LFT LL	30	E12S	1248G2	17738	
508	306595	4	4951	MT LA PLATTA	UNSET	RGT OF LFT LL	40	E12S	1248G2	17744	
509	306663	4	4834	MT LONGS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17736	
510	306701	4	5608	CASTLETON	UNSET	RGT OF LFT LL	24	F12S	1248H2	21270	
511	306865	4	4930	MT LONGS	UNSET	LFT OF RGT LL	24	E12S	1248G2	17734	
512	307062	4	4549	MT HERBERT	UNSET	RGT OF LFT LL	31	E12S	1248F2	17689	
513	307076	4	4439	LIMERICK	UNSET	RGT OF LFT LL	14	F12S	1248H2	21257	
514	307197	4	5084	MT LA PLATTA	UNSET	RGT OF LFT LL	36	E12S	1248G2	17725	
515	307214	4	4872	MT HARRIS	UNSET	RGT OF LFT LL	27	E12S	1248G2	17919	
516	307258	4	4886	MT HARRIS	UNSET	RGT OF LFT LL	40	E12S	1248G2	17919	
517	307326	4	4885	MT HARRIS	UNSET	LFT OF RGT LL	34	E12S	1248G2	17919	
518	307356	4	4475	MT HERBERT	UNSET	RGT OF LFT LL	44	E12S	1248F2	17697	
519	307369	4	4472	MT HERBERT	UNSET	RGT OF LFT LL	26	E12S	1248F2	17697	
520	307498	4	4702	MT FRISSELL	UNSET	LFT OF RGT LL	29	E12S	1248F2	17706	
521	307590	4	4832	MT GAYWAS	UNSET	RGT OF LFT LL	31	E12S	1248G2	17715	
522	307592	4	4801	MT GAYWAS	UNSET	RGT OF LFT LL	36	E12S	1248F2	17712	
523	307657	4	4670	MT ETNA	UNSET	RGT OF LFT LL	5	E12S	1248F2	17709	
524	307743	4	4973	MT HAY	UNSET	LFT OF RGT LL	29	E12S	1248G2	17721	
525	307753	4	4836	MT FRISSELL	UNSET	LFT OF RGT LL	26	E12S	1248F2	17713	
526	307858	4	4915	MT GAYWAS	UNSET	RGT OF LFT LL	16	E12S	1248G2	17716	
527	307956	4	4476	MT EVEREST	UNSET	MANHOLE	56	E12S	1248G2	17814	
528	308135	4	0		UNSET	LFT OF RGT LL	31	E12S	1248F2	17837	
529	308408	4	4854	MT ELBRUS	UNSET	LFT OF RGT LL	45	E12S	1248F2	17762	
530	308480	4	4843	MT ELBRUS	UNSET	RGT OF LFT LL	35	E12S	1248F2	17761	
531	308612	4	4350	MT EVEREST	UNSET	MANHOLE	110	E12S	1248G2	17822	

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532	5046154	4	4867	BOISE	UNSET	MANHOLE	58	E11S	1248F1	17416	
533	5211745	6	4140	CLAIREMONT MESA	UNSET	MANHOLE	100	E11S	1248E1	17540	
534	175204	4	4368	CLAIREMONT MESA	UNSET	MANHOLE	105	E11S	1248E1	17260	
535	175275	4	4385	CLAIREMONT MESA	UNSET	LFT OF RGT LL	25	E11S	1248E1	17260	
536	175389	4	5385	CLAIREMONT MESA	UNSET	RGT OF LFT LL	64	F11S	1248H1	20983	ESMT
537	175453	4	4341	CLAIREMONT MESA	UNSET	RGT OF LFT LL	18	E11S	1248E1	17259	
538	175457	4	4596	MANITOU	UNSET	LFT OF RGT LL	32	E11S	1248F1	17414	
539	175569	4	5260	KESLING	UNSET	LFT OF RGT LL	38	F11S	1248H1	21137	
540	175573	4	5270	KESLING	UNSET	RGT OF LFT LL	4	F11S	1248H1	21137	
541	175580	4	5278	KESLING	UNSET	RGT OF LFT LL	22	F11S	1248H1	21137	
542	175633	4	4881	ONATE	UNSET	LFT OF RGT LL	40	F11S	1248H1	21148	ESMT
543	175745	4	4855	BOISE	UNSET	RGT OF LFT LL	20	E11S	1248F1	17417	
544	175948	4	4585	BANNOCK	UNSET	LFT OF RGT LL	37	E11S	1248F1	17421	
545	176068	4	4814	BOISE	UNSET	RGT OF LFT LL	24	E11S	1248F1	17418	
546	176167	4	4542	SAUK	UNSET	LFT OF RGT LL	33	E11S	1248F1	17429	
547	176262	4	4585	SAUK	UNSET	LFT OF RGT LL	22	E11S	1248F1	17431	
548	176286	4	4512	SAUK	UNSET	LFT OF RGT LL	38	E11S	1248F1	17429	
549	176346	4	4523	SAUK	UNSET	RGT OF LFT LL	59	E11S	1248F1	17429	
550	176424	4	4752	SHOSHONI	UNSET	unset	0	E11S	1248F1	17427	
551	176607	4	4728	SHOSHONI	UNSET	LFT OF RGT LL	31	E11S	1248F1	17427	
552	176721	4	4171	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17536	
553	176917	4	4180	CLAIREMONT MESA	UNSET	MANHOLE	82	E11S	1248E1	17536	
554	177134	4	4131	CLAIREMONT MESA	UNSET	LFT OF RGT LL	23	E11S	1248E1	17540	
555	177172	4	4662	CHICKASAW	UNSET	LFT OF RGT LL	42	E11S	1248F1	17562	
556	177339	4	4625	SHOSHONI	UNSET	RGT OF LFT LL	22	E11S	1248F1	17585	
557	177529	4	4634	WINNEBAGO	UNSET	LFT OF RGT LL	32	E11S	1248F1	17451	
558	177551	4	4633	WINNEBAGO	UNSET	RGT OF LFT LL	31	E11S	1248F1	17451	
559	177620	4	4627	WINNEBAGO	UNSET	RGT OF LFT LL	23	E11S	1248F1	17453	
560	177978	4	4555	CHINOOK	UNSET	LFT OF RGT LL	30	E11S	1248F1	17558	
561	178107	4	4684	PAOLA	UNSET	RGT OF LFT LL	27	F11S	1248H1	21158	
562	178171	4	0		UNSET	LFT OF RGT LL	24	E11S	1248G1	17740	
563	178194	4	4681	LYRIC	UNSET	LFT OF RGT LL	38	F11S	1248H1	21251	
564	178217	4	5241	LIVERING	UNSET	RGT OF LFT LL	38	F11S	1248H1	21159	
565	178220	4	5255	LIVERING	UNSET	RGT OF LFT LL	41	F11S	1248H1	21159	
566	178258	4	4659	PAOLA	UNSET	RGT OF LFT LL	22	F11S	1248H1	21158	in MH?
567	178323	4	0		UNSET	unset	0	E12S	1248E2	17589	
568	178353	4	4663	MT LA PLATTA	UNSET	RGT OF LFT LL	30	E11S	1248F1	17463	
569	178423	4	4651	LIMERICK	UNSET	RGT OF LFT LL	39	F12S	1248H1	21249	
570	178598	4	5317	VERGARA	UNSET	LFT OF RGT LL	22	F12S	1248H1	21252	
571	178599	4	3979	CLAIREMONT MESA	UNSET	RGT OF LFT LL	22	E12S	1248E2	305943	
572	178807	4	3931	CLAIREMONT MESA	UNSET	LFT OF RGT LL	15	E12S	1248E2	5055322	

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573	178931	4	4792	MT LA PALMA	UNSET	RGT OF LFT LL	24	E12S	1248G2	17731	
574	179025	4	4661	MT LONGS	UNSET	LFT OF RGT LL	26	E12S	1248F2	17687	in MH?
575	179031	4	4904	MT LA PLATTA	UNSET	RGT OF LFT LL	41	E12S	1248G2	17743	
576	179151	4	4822	MT LA PALMA	UNSET	RGT OF LFT LL	29	E12S	1248G2	17738	
577	179160	4	4681	MT LONGS	UNSET	LFT OF RGT LL	31	E12S	1248F2	17687	
578	179195	4	4532	MT GAYWAS	UNSET	RGT OF LFT LL	31	E12S	1248F2	17672	
579	179199	4	4542	MT GAYWAS	UNSET	RGT OF LFT LL	4	E12S	1248F2	17672	
580	179282	4	4562	MT GAYWAS	UNSET	RGT OF LFT LL	39	E12S	1248F2	17679	
581	179571	4	4970	MT LA PLATTA	UNSET	RGT OF LFT LL	39	E12S	1248G2	17744	
582	179585	4	4625	MT GAYWAS	UNSET	LFT OF RGT LL	40	E12S	1248F2	17678	
583	179731	4	4714	MT HARRIS	UNSET	LFT OF RGT LL	38	E12S	1248F2	17733	
584	179764	4	4471	MT LINDSEY	UNSET	LFT OF RGT LL	25	E12S	1248F2	17674	
585	179790	4	4855	MT LONGS	UNSET	LFT OF RGT LL	34	E12S	1248G2	17736	
586	179892	4	4460	MT LINDSEY	UNSET	LFT OF RGT LL	32	E12S	1248F2	17675	
587	179898	4	4469	LIMERICK	UNSET	RGT OF LFT LL	15	F12S	1248H2	21256	
588	179939	4	4517	MT LINDSEY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17669	
589	180011	4	4514	CASTLETON	UNSET	RGT OF LFT LL	10	F12S	1248H2	21273	
590	180026	4	4498	MT HENRY	UNSET	LFT OF RGT LL	39	E12S	1248F2	17690	
591	180123	4	5064	MT LA PLATTA	UNSET	LFT OF RGT LL	26	E12S	1248G2	17725	
592	180194	4	4435	MT LINDSEY	UNSET	LFT OF RGT LL	38	E12S	1248F2	17642	
593	180248	4	4525	MT LA PLATTA	UNSET	LFT OF RGT LL	19	E12S	1248G2	17724	
594	180273	4	4829	MT HARRIS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17718	
595	180325	4	4843	MT HARRIS	UNSET	RGT OF LFT LL	24	E12S	1248G2	17919	
596	180360	4	4709	MT GAYWAS	UNSET	RGT OF LFT LL	15	E12S	1248F2	17702	
597	180450	4	4732	MT GAYWAS	UNSET	LFT OF RGT LL	34	E12S	1248F2	17705	
598	180560	4	4901	MT HARRIS	UNSET	RGT OF LFT LL	37	E12S	1248G2	17720	
599	180597	4	4741	MT GAYWAS	UNSET	LFT OF RGT LL	14	E12S	1248F2	17705	
600	180847	4	4630	MT ETNA	UNSET	LFT OF RGT LL	29	E12S	1248F2	17710	
601	180908	4	4727	MT FRISSELL	UNSET	LFT OF RGT LL	27	E12S	1248F2	17706	
602	180924	4	5052	MT HARRIS	UNSET	LFT OF RGT LL	38	E12S	1248G2	17727	
603	181094	4	4787	MT FRISSELL	UNSET	LFT OF RGT LL	23	E12S	1248F2	17707	
604	181127	4	4987	MT HAY	UNSET	LFT OF RGT LL	45	E12S	1248G2	17721	
605	181273	4	4855	MT FRISSELL	UNSET	RGT OF LFT LL	34	E12S	1248F2	17714	
606	181315	4	4865	MT FRISSELL	UNSET	LFT OF RGT LL	36	E12S	1248G2	17714	
607	181428	4	4467	MT EVEREST	UNSET	RGT OF LFT LL	25	E12S	1248G2	17814	
608	181676	4	5073	MT GAYWAS	UNSET	RGT OF LFT LL	17	E12S	1248G2	17815	
609	181750	4	0		UNSET	RGT OF LFT LL	34	E12S	1248F2	17832	
610	181790	4	4901	MT ETNA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17832	
611	182097	4	4834	MT ELBRUS	UNSET	RGT OF LFT LL	30	E12S	1248F2	17761	
612	182421	4	4337	MT ELBRUS	UNSET	RGT OF LFT LL	24	E12S	1248G3	17829	
613	182487	4	4325	MT ELBRUS	UNSET	RGT OF LFT LL	34	E12S	1248G3	17829	

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Sewer Laterals to be Rehabilitated

614	303669	4	4386	CLAIREMONT MESA	UNSET	MANHOLE	48	E11S	1248E1	17260	
615	303713	4	4368	CLAIREMONT MESA	UNSET	MANHOLE	102	E11S	1248E1	17260	
616	303760	4	4885	FRINK	UNSET	LFT OF RGT LL	30	E11S	1248F1	17356	
617	303805	4	4349	CLAIREMONT MESA	UNSET	LFT OF RGT LL	26	E11S	1248E1	17259	
618	303963	4	4881	ONATE	UNSET	RGT OF LFT LL	49	F11S	1248H1	21149	ESMT
619	304065	4	4852	BOISE	UNSET	unset	0	E11S	1248F1	17417	
620	304312	4	4582	SAUK	UNSET	LFT OF RGT LL	29	E11S	1248F1	17430	
621	304526	4	4635	SAUK	UNSET	RGT OF LFT LL	17	E11S	1248F1	17435	
622	304633	4	4532	ACOMA	UNSET	RGT OF LFT LL	25	E11S	1248F1	17432	
623	304639	4	4734	CHICKASAW	UNSET	RGT OF LFT LL	24	E11S	1248F1	17564	
624	305047	4	4641	SHOSHONI	UNSET	RGT OF LFT LL	27	E11S	1248F1	17446	
625	305119	4	4638	CHICKASAW	UNSET	RGT OF LFT LL	22	E11S	1248F1	17561	
626	305601	4	4502	CHINOOK	UNSET	LFT OF RGT LL	22	E11S	1248F1	17455	
627	305611	4	5232	LIVERING	UNSET	LFT OF RGT LL	41	F11S	1248H1	21166	
628	305701	4	4009	CLAIREMONT MESA	UNSET	RGT OF LFT LL	18	E11S	1248E1	17542	
629	305865	4	5320	VERGARA	UNSET	LFT OF RGT LL	80	F12S	1248H1	21252	
630	306036	4	5393	VERGARA	UNSET	LFT OF RGT LL	20	F12S	1248H1	21266	
631	306041	4	4816	MT LA PLATTA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17742	
632	306185	4	4641	MT LONGS	UNSET	LFT OF RGT LL	16	E12S	1248F2	17686	
633	306302	4	4521	LIMERICK	UNSET	RGT OF LFT LL	27	F12S	1248H2	21268	
634	306447	4	4573	LIMERICK	UNSET	LFT OF RGT LL	10	F12S	1248H2	21255	
635	306455	4	4825	MT LA PALMA	UNSET	LFT OF RGT LL	32	E12S	1248G2	17738	
636	306550	4	4852	MT LA PALMA	UNSET	LFT OF RGT LL	30	E12S	1248G2	17737	
637	306766	4	5648	CASTLETON	UNSET	RGT OF LFT LL	24	F12S	1248H2	21270	
638	306778	4	4642	MT GAYWAS	UNSET	RGT OF LFT LL	27	E12S	1248F2	17677	
639	306891	4	4459	MT LINDSEY	UNSET	LFT OF RGT LL	36	E12S	1248F2	17675	
640	306939	4	4456	LIMERICK	UNSET	RGT OF LFT LL	40	F12S	1248H2	21257	
641	306952	4	4655	MT GAYWAS	UNSET	RGT OF LFT LL	34	E12S	1248F2	17677	
642	307017	4	4788	MT HARRIS	UNSET	RGT OF LFT LL	33	E12S	1248G2	17718	
643	307018	4	4763	MT HARRIS	UNSET	LFT OF RGT LL	29	E12S	1248F2	17718	
644	307094	4	5065	MT LA PLATTA	UNSET	RGT OF LFT LL	47	E12S	1248G2	17725	
645	307110	4	4524	MT LA PLATTA	UNSET	RGT OF LFT LL	30	E12S	1248G2	17724	
646	307149	4	4815	MT HARRIS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17718	
647	307161	4	4750	MT HAY	UNSET	RGT OF LFT LL	32	E12S	1248F2	17704	
648	307210	4	4505	MT HERBERT	UNSET	RGT OF LFT LL	34	E12S	1248F2	17700	
649	307257	4	4484	MT HERBERT	UNSET	RGT OF LFT LL	31	E12S	1248F2	17698	
650	307299	4	4485	MT HERBERT	UNSET	LFT OF RGT LL	29	E12S	1248F2	17698	
651	307340	4	4787	MT HAY	UNSET	LFT OF RGT LL	33	E12S	1248F2	17711	
652	307394	4	4819	MT HAY	UNSET	LFT OF RGT LL	16	E12S	1248G2	17711	
653	307404	4	4410	MT LINDSEY	UNSET	RGT OF LFT LL	30	E12S	1248F2	17643	
654	307420	4	4671	MT FRISSELL	UNSET	RGT OF LFT LL	17	E12S	1248F2	17699	

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Sewer Laterals to be Rehabilitated

655	307517	4	4689	MT FRISSELL	UNSET	RGT OF LFT LL	29	E12S	1248F2	17706	
656	307521	4	4951	MT HARRIS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17720	
657	307535	4	0		UNSET	RGT OF LFT LL	40	E12S	1248F2	17692	
658	307635	4	5015	MT HARRIS	UNSET	LFT OF RGT LL	26	E12S	1248G2	17723	
659	307640	4	4658	MT ETNA	UNSET	LFT OF RGT LL	30	E12S	1248F2	17710	
660	307689	4	4888	MT GAYWAS	UNSET	RGT OF LFT LL	33	E12S	1248G2	17715	
661	307715	4	5076	MT HARRIS	UNSET	LFT OF RGT LL	22	E12S	1248G2	17727	
662	308092	4	4942	MT FRISSELL	UNSET	RGT OF LFT LL	27	E12S	1248G2	17818	
663	308193	4	4902	MT ETNA	UNSET	LFT OF RGT LL	47	E12S	1248G2	17835	
664	308328	4	4912	MT ELBRUS	UNSET	RGT OF LFT LL	42	E12S	1248G2	17832	
665	308352	4	5048	MT FRISSELL	UNSET	RGT OF LFT LL	32	E12S	1248G2	17820	
666	308395	4	4425	MT EVEREST	UNSET	LFT OF RGT LL	7	E12S	1248G2	17812	
667	308573	4	4817	MT ELBRUS	UNSET	RGT OF LFT LL	13	E12S	1248F2	17761	
668	308618	4	4807	MT ELBRUS	UNSET	LFT OF RGT LL	14	E12S	1248F2	17761	
669	175449	4	4556	MANITOU	UNSET	LFT OF RGT LL	30	E11S	1248F1	17413	
670	175482	4	4886	DOLIVA	UNSET	LFT OF RGT LL	54	F11S	1248H1	21147	ESMT
671	175585	4	4541	MANITOU	UNSET	RGT OF LFT LL	38	E11S	1248F1	17413	
672	175589	4	5312	KESLING	UNSET	LFT OF RGT LL	28	F11S	1248H1	21146	
673	175590	4	4565	MANITOU	UNSET	RGT OF LFT LL	35	E11S	1248F1	17414	
674	175685	4	5259	KESLING	UNSET	LFT OF RGT LL	23	F11S	1248H1	21137	
675	175754	4	4866	BOISE	UNSET	unset	0	E11S	1248F1	17417	
676	175775	4	4849	BOISE	UNSET	unset	0	E11S	1248F1	17417	
677	175878	4	4837	BOISE	UNSET	RGT OF LFT LL	32	E11S	1248F1	17417	
678	176149	4	4592	SAUK	UNSET	LFT OF RGT LL	31	E11S	1248F1	17431	
679	176360	4	4642	SAUK	UNSET	LFT OF RGT LL	34	E11S	1248F1	17435	
680	176407	4	4652	SAUK	UNSET	LFT OF RGT LL	44	E11S	1248F1	17435	
681	176457	4	4754	CHICKASAW	UNSET	RGT OF LFT LL	25	E11S	1248F1	17565	
682	176606	4	4522	ACOMA	UNSET	RGT OF LFT LL	41	E11S	1248F1	17432	
683	177119	4	4689	WINNEBAGO	UNSET	LFT OF RGT LL	30	E11S	1248F1	17450	
684	177437	4	4614	CHICKASAW	UNSET	RGT OF LFT LL	22	E11S	1248F1	17561	
685	177459	4	4641	WINNEBAGO	UNSET	RGT OF LFT LL	22	E11S	1248F1	17451	
686	177473	4	4603	CHICKASAW	UNSET	RGT OF LFT LL	23	E11S	1248F1	17561	
687	177505	4	4061	CLAIREMONT MESA	UNSET	LFT OF RGT LL	15	E11S	1248E1	17541	
688	177617	4	4411	CARIB	UNSET	RGT OF LFT LL	10	E11S	1248F1	17452	
689	177766	4	4421	CARIB	UNSET	LFT OF RGT LL	15	E11S	1248F1	17452	
690	177796	4	4574	CHINOOK	UNSET	RGT OF LFT LL	32	E11S	1248F1	17559	
691	178213	4	0		UNSET	MANHOLE	116	E11S	1248G1	17740	
692	178249	4	4662	MT LA PLATTA	UNSET	MANHOLE	13	E11S	1248F1	17463	
693	178259	4	4690	LIMERICK	UNSET	LFT OF RGT LL	330	F11S	1248H1	21250	
694	178319	4	0		UNSET	LFT OF RGT LL	36	E12S	1248G1	17740	
695	178433	4	3993	CLAIREMONT MESA	UNSET	LFT OF RGT LL	23	E12S	1248E2	17589	

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Sewer Laterals to be Rehabilitated

696	178462	4	4552	MT LA PLATTA	UNSET	RGT OF LFT LL	60	E12S	1248G1	17739	
697	178608	4	0		UNSET	LFT OF RGT LL	40	E12S	1248G1	17742	
698	178628	4	4722	MT LA PALMA	UNSET	RGT OF LFT LL	23	E12S	1248F2	17685	
699	178769	4	4631	MT LONGS	UNSET	RGT OF LFT LL	32	E12S	1248F2	17684	
700	178770	4	4723	MT LA PALMA	UNSET	RGT OF LFT LL	62	E12S	1248F2	17685	
701	178824	4	4612	DOLIVA	UNSET	unset	0	F12S	1248H2	21267	
702	178869	4	4601	LIMERICK	UNSET	LFT OF RGT LL	14	F12S	1248H1	21254	
703	178937	4	4569	LIMERICK	UNSET	LFT OF RGT LL	23	F12S	1248H2	21262	
704	178969	4	4545	LIMERICK	UNSET	RGT OF LFT LL	16	F12S	1248H2	21262	
705	179129	4	4512	MT GAYWAS	UNSET	RGT OF LFT LL	21	E12S	1248F2	17672	
706	179131	4	4578	LIMERICK	UNSET	RGT OF LFT LL	10	F12S	1248H2	21255	
707	179163	4	4522	MT GAYWAS	UNSET	LFT OF RGT LL	33	E12S	1248F2	17672	
708	179166	4	4566	LIMERICK	UNSET	RGT OF LFT LL	47	F12S	1248H2	21255	
709	179191	4	4581	PAOLA	UNSET	LFT OF RGT LL	49	F12S	1248H2	21261	
710	179290	4	4715	MT LONGS	UNSET	RGT OF LFT LL	35	E12S	1248F2	17732	
711	179313	4	4563	LIMERICK	UNSET	LFT OF RGT LL	30	F12S	1248H2	21255	
712	179412	4	4553	LIMERICK	UNSET	RGT OF LFT LL	38	F12S	1248H2	21255	
713	179491	4	4765	MT LONGS	UNSET	LFT OF RGT LL	24	E12S	1248G2	17732	
714	179660	4	4513	LIMERICK	UNSET	LOT LINE	10	F12S	1248H2	21256	
715	179693	4	0		UNSET	LFT OF RGT LL	32	F12S	1248H2	21259	
716	179824	4	4512	MT LINDSEY	UNSET	RGT OF LFT LL	33	E12S	1248F2	17669	
717	179858	4	4466	LIMERICK	UNSET	RGT OF LFT LL	45	F12S	1248H2	21257	
718	179955	4	4739	MT HARRIS	UNSET	RGT OF LFT LL	23	E12S	1248F2	17733	
719	179967	4	4502	MT HENRY	UNSET	RGT OF LFT LL	35	E12S	1248F2	17690	
720	179989	4	4776	MT HARRIS	UNSET	LFT OF RGT LL	32	E12S	1248G2	17718	
721	180002	4	4509	MT HENRY	UNSET	RGT OF LFT LL	27	E12S	1248F2	17676	
722	180024	4	4446	LIMERICK	UNSET	LFT OF RGT LL	26	F12S	1248H2	21257	
723	180062	4	4540	MT LA PLATTA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17724	
724	180088	4	4436	LIMERICK	UNSET	unset	0	F12S	1248H2	21257	
725	180092	4	4426	LIMERICK	UNSET	unset	0	F12S	1248H2	21257	
726	180128	4	4426	LIMERICK	UNSET	unset	0	F12S	1248H2	21257	
727	180185	4	4526	MT HERBERT	UNSET	RGT OF LFT LL	25	E12S	1248F2	17700	
728	180216	4	4518	MT HERBERT	UNSET	LFT OF RGT LL	24	E12S	1248F2	17700	
729	180253	4	4510	MT HERBERT	UNSET	RGT OF LFT LL	23	E12S	1248F2	17698	
730	180329	4	4494	MT HERBERT	UNSET	LFT OF RGT LL	40	E12S	1248F2	17698	
731	180412	4	4722	MT GAYWAS	UNSET	LFT OF RGT LL	12	E12S	1248F2	17705	
732	180418	4	4442	PAOLA	UNSET	LFT OF RGT LL	36	F12S	1248H2	21288	
733	180419	4	0		UNSET	RGT OF LFT LL	35	E12S	1248F2	17643	
734	180435	4	4717	MT GAYWAS	UNSET	LFT OF RGT LL	25	E12S	1248F2	17705	
735	180505	4	4742	MT GAYWAS	UNSET	LFT OF RGT LL	31	E12S	1248F2	17705	
736	180558	4	4926	MT HARRIS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17720	

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Sewer Laterals to be Rehabilitated

737	180609	4	4864	MT HAY	UNSET	LFT OF RGT LL	34	E12S	1248G2	17711	
738	180612	4	4940	MT HARRIS	UNSET	LFT OF RGT LL	22	E12S	1248G2	17720	
739	180700	4	4964	MT HARRIS	UNSET	MANHOLE	31	E12S	1248G2	17723	
740	180934	4	4739	MT FRISSELL	UNSET	LFT OF RGT LL	13	E12S	1248F2	17706	
741	180936	4	5027	MT HARRIS	UNSET	MANHOLE	58	E12S	1248G2	17723	
742	180960	4	4847	MT GAYWAS	UNSET	RGT OF LFT LL	16	E12S	1248G2	17715	
743	180991	4	4751	MT FRISSELL	UNSET	RGT OF LFT LL	29	E12S	1248F2	17707	
744	181007	4	4861	MT GAYWAS	UNSET	RGT OF LFT LL	28	E12S	1248G2	17715	
745	181137	4	4825	MT FRISSELL	UNSET	RGT OF LFT LL	25	E12S	1248F2	17713	
746	181177	4	4901	MT GAYWAS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17716	
747	181293	4	4972	MT GAYWAS	UNSET	LFT OF RGT LL	49	E12S	1248G2	17716	
748	181432	4	0		UNSET	LFT OF RGT LL	15	E12S	1248F2	17837	
749	181708	4	4982	MT FRISSELL	UNSET	RGT OF LFT LL	23	E12S	1248G2	17819	
750	181761	4	4971	MT FRISSELL	UNSET	LFT OF RGT LL	10	E12S	1248G2	17818	
751	181924	4	4962	MT ETNA	UNSET	LFT OF RGT LL	36	E12S	1248G2	17834	
752	182269	4	5072	MT ETNA	UNSET	RGT OF LFT LL	25	E12S	1248G2	17821	
753	303753	4	4367	CLAIREMONT MESA	UNSET	LFT OF RGT LL	39	E11S	1248E1	17260	
754	303764	4	4338	CLAIREMONT MESA	UNSET	RGT OF LFT LL	62	E11S	1248E1	17259	
755	303837	4	4324	CLAIREMONT MESA	UNSET	LFT OF RGT LL	150	E11S	1248E1	17259	
756	303954	4	5269	KESLING	UNSET	LFT OF RGT LL	27	F11S	1248H1	21137	
757	304498	4	4764	CHICKASAW	UNSET	RGT OF LFT LL	21	E11S	1248F1	17565	
758	304566	4	4740	SHOSHONI	UNSET	RGT OF LFT LL	30	E11S	1248F1	17427	
759	304755	4	4583	ACOMA	UNSET	RGT OF LFT LL	38	E11S	1248F1	17433	
760	305151	4	4654	WINNEBAGO	UNSET	LFT OF RGT LL	20	E11S	1248F1	17451	
761	305181	4	4609	SHOSHONI	UNSET	RGT OF LFT LL	21	E11S	1248F1	17585	
762	305216	4	4610	SHOSHONI	UNSET	unset	0	E11S	1248F1	17585	
763	305360	4	4581	CHINOOK	UNSET	LFT OF RGT LL	17	E11S	1248F1	17560	
764	305398	4	4575	CHINOOK	UNSET	LFT OF RGT LL	23	E11S	1248F1	17559	
765	305441	4	4043	CLAIREMONT MESA	UNSET	RGT OF LFT LL	15	E11S	1248E1	17541	
766	305576	4	4515	CHINOOK	UNSET	LFT OF RGT LL	37	E11S	1248F1	17454	
767	305602	4	4664	DOLIVA	UNSET	LFT OF RGT LL	19	F11S	1248H1	21157	
768	305709	4	4660	PAOLA	UNSET	LFT OF RGT LL	22	F11S	1248H1	21158	
769	305743	4	4667	LYRIC	UNSET	RGT OF LFT LL	41	F11S	1248H1	21251	
770	305813	4	4651	MT LA PLATTA	UNSET	LFT OF RGT LL	35	E11S	1248F1	17683	
771	305983	4	3780	CLAIREMONT MESA	UNSET	MANHOLE	25	E12S	1248E2	17587	
772	305989	4	4769	MT LA PLATTA	UNSET	LFT OF RGT LL	23	E12S	1248G2	17739	
773	306180	4	4650	MT LONGS	UNSET	MANHOLE	64	E12S	1248F2	17686	
774	306221	4	4761	MT LA PALMA	UNSET	RGT OF LFT LL	32	E12S	1248G2	17731	
775	306259	4	4557	LIMERICK	UNSET	LFT OF RGT LL	10	F12S	1248H2	21262	
776	306264	4	4771	MT LA PALMA	UNSET	LFT OF RGT LL	34	E12S	1248G2	17731	
777	306460	4	4571	PAOLA	UNSET	LFT OF RGT LL	30	F12S	1248H2	21261	

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778	306463	4	4929	MT LA PLATTA	UNSET	RGT OF LFT LL	40	E12S	1248G2	17744	
779	306483	4	4554	LIMERICK	UNSET	LFT OF RGT LL	44	F12S	1248H2	21255	
780	306539	4	4525	MT FRISSELL	UNSET	LFT OF RGT LL	14	E12S	1248F2	17673	
781	306613	4	4862	MT LA PALMA	UNSET	LFT OF RGT LL	25	E12S	1248G2	17737	
782	306698	4	4523	LIMERICK	UNSET	LFT OF RGT LL	14	F12S	1248H2	21256	
783	306722	4	4817	MT LONGS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17736	
784	306841	4	4544	CASTLETON	UNSET	RGT OF LFT LL	15	F12S	1248H2	21273	
785	306843	4	4476	LIMERICK	UNSET	RGT OF LFT LL	14	F12S	1248H2	21256	
786	306847	4	4652	MT GAYWAS	UNSET	LFT OF RGT LL	25	E12S	1248F2	17677	
787	306863	4	5024	MT LA PLATTA	UNSET	RGT OF LFT LL	29	E12S	1248G2	17745	
788	306870	4	4534	CASTLETON	UNSET	LFT OF RGT LL	10	F12S	1248H2	21273	
789	306875	4	5665	CASTLETON	UNSET	LFT OF RGT LL	24	F12S	1248H2	21270	
790	306898	4	4909	MT LONGS	UNSET	RGT OF LFT LL	31	E12S	1248G2	17734	
791	306951	4	4495	PAOLA	UNSET	LFT OF RGT LL	32	F12S	1248H2	21258	
792	306963	4	5044	MT LA PLATTA	UNSET	LFT OF RGT LL	37	E12S	1248G2	17746	
793	306986	4	4751	MT HARRIS	UNSET	RGT OF LFT LL	15	E12S	1248F2	17733	
794	306992	4	4448	MT LINDSEY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17641	
795	307036	4	4449	LIMERICK	UNSET	LFT OF RGT LL	15	F12S	1248H2	21257	
796	307037	4	4492	MT HENRY	UNSET	RGT OF LFT LL	31	E12S	1248F2	17690	
797	307054	4	4775	MT HARRIS	UNSET	RGT OF LFT LL	38	E12S	1248G2	17718	
798	307218	4	4774	MT HAY	UNSET	RGT OF LFT LL	15	E12S	1248F2	17704	
799	307267	4	4786	MT HAY	UNSET	LFT OF RGT LL	33	E12S	1248G2	17711	
800	307275	4	4462	MT HENRY	UNSET	LFT OF RGT LL	25	E12S	1248F2	17692	
801	307375	4	4661	MT FRISSELL	UNSET	LFT OF RGT LL	12	E12S	1248F2	17699	
802	307553	4	4889	MT HAY	UNSET	LFT OF RGT LL	33	E12S	1248G2	17717	
803	307554	4	4818	MT GAYWAS	UNSET	LFT OF RGT LL	17	E12S	1248G2	17712	
804	307573	4	4701	MT FRISSELL	UNSET	LFT OF RGT LL	29	E12S	1248F2	17706	
805	307672	4	5039	MT HARRIS	UNSET	MANHOLE	7	E12S	1248G2	17723	
806	307692	4	4684	MT ETNA	UNSET	LFT OF RGT LL	30	E12S	1248F2	17709	
807	307736	4	4714	MT ETNA	UNSET	LFT OF RGT LL	34	E12S	1248F2	17709	
808	307779	4	4846	MT FRISSELL	UNSET	RGT OF LFT LL	10	E12S	1248F2	17714	
809	307792	4	5044	MT HAY	UNSET	RGT OF LFT LL	32	E12S	1248G2	17722	
810	307823	4	4930	MT GAYWAS	UNSET	LFT OF RGT LL	18	E12S	1248G2	17716	
811	307876	4	4958	MT GAYWAS	UNSET	RGT OF LFT LL	28	E12S	1248G2	17716	
812	307878	4	4876	MT FRISSELL	UNSET	LFT OF RGT LL	38	E12S	1248G2	17714	
813	307951	4	4875	MT FRISSELL	UNSET	RGT OF LFT LL	36	E12S	1248G2	17714	
814	307979	4	5002	MT GAYWAS	UNSET	RGT OF LFT LL	28	E12S	1248G2	17816	
815	308018	4	5018	MT GAYWAS	UNSET	LFT OF RGT LL	16	E12S	1248G2	17816	
816	308068	4	4911	MT FRISSELL	UNSET	LFT OF RGT LL	9	E12S	1248G2	17817	
817	308124	4	0		UNSET	LFT OF RGT LL	41	E12S	1248G2	17837	
818	308133	4	5049	MT GAYWAS	UNSET	MANHOLE	16	E12S	1248G2	17816	

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819	308159	4	4453	MT EVEREST	UNSET	LFT OF RGT LL	36	E12S	1248G2	17813	
820	308164	4	5061	MT GAYWAS	UNSET	MANHOLE	33	E12S	1248G2	17815	
821	308211	4	4961	MT FRISSELL	UNSET	RGT OF LFT LL	42	E12S	1248G2	17818	
822	308407	4	5035	MT FRISSELL	UNSET	RGT OF LFT LL	8	E12S	1248G2	17820	
823	308478	4	4981	MT ETNA	UNSET	RGT OF LFT LL	26	E12S	1248G2	17834	
824	308508	4	4944	MT ELBRUS	UNSET	RGT OF LFT LL	16	E12S	1248G2	17826	
825	308521	4	4921	MT ELBRUS	UNSET	MANHOLE	88	E12S	1248G2	17830	
826	5055323	8	3928	CLAIREMONT MESA	UNSET	MANHOLE	0	E12S	1248E2	17586	in MH?
827	175691	4	5289	KESLING	UNSET	LFT OF RGT LL	21	F11S	1248H1	21146	
828	175886	4	4602	BANNOCK	UNSET	RGT OF LFT LL	34	E11S	1248F1	17421	
829	176702	4	4533	ACOMA	UNSET	RGT OF LFT LL	43	E11S	1248F1	17432	
830	176841	4	4591	ACOMA	UNSET	RGT OF LFT LL	29	E11S	1248F1	17433	
831	176854	4	4690	SHOSHONI	UNSET	LFT OF RGT LL	30	E11S	1248F1	17447	
832	177009	4	4674	SHOSHONI	UNSET	LFT OF RGT LL	31	E11S	1248F1	17447	
833	177020	4	4141	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17536	
834	177114	4	4666	SHOSHONI	UNSET	LFT OF RGT LL	35	E11S	1248F1	17446	
835	177278	4	4665	WINNEBAGO	UNSET	RGT OF LFT LL	16	E11S	1248F1	17450	
836	177382	4	4617	SHOSHONI	UNSET	RGT OF LFT LL	25	E11S	1248F1	17585	
837	177428	4	4646	WINNEBAGO	UNSET	LFT OF RGT LL	20	E11S	1248F1	17451	
838	177600	4	4055	CLAIREMONT MESA	UNSET	LFT OF RGT LL	4	E11S	1248E1	17541	
839	177623	4	4589	CHINOOK	UNSET	LFT OF RGT LL	22	E11S	1248F1	17560	
840	177739	4	4411	CARIB	UNSET	LOT LINE	10	E11S	1248F1	17452	
841	178006	4	4674	DOLIVA	UNSET	LFT OF RGT LL	35	F11S	1248H1	21157	
842	178088	4	5294	LIVERING	UNSET	RGT OF LFT LL	23	F11S	1248H1	21159	
843	178135	4	4015	CLAIREMONT MESA	UNSET	LFT OF RGT LL	40	E11S	1248E1	17542	
844	178367	4	4705	MT LA PLATTA	UNSET	RGT OF LFT LL	28	E11S	1248F1	17463	
845	178570	4	4620	MT LONGS	UNSET	RGT OF LFT LL	37	E12S	1248F2	17684	
846	178633	4	4732	MT LA PALMA	UNSET	RGT OF LFT LL	30	E12S	1248F2	17730	
847	178813	4	4762	MT LA PALMA	UNSET	LFT OF RGT LL	26	E12S	1248G2	17731	
848	178952	4	4651	MT LONGS	UNSET	RGT OF LFT LL	29	E12S	1248F2	17686	
849	178986	4	4590	LIMERICK	UNSET	RGT OF LFT LL	33	F12S	1248H2	21255	
850	179283	4	4552	MT GAYWAS	UNSET	unset	0	E12S	1248F2	17679	
851	179367	4	4605	MT GAYWAS	UNSET	RGT OF LFT LL	37	E12S	1248F2	17679	
852	179508	4	5442	CASTLETON	UNSET	RGT OF LFT LL	10	F12S	1248H2	21260	
853	179591	4	4805	MT LONGS	UNSET	LFT OF RGT LL	23	E12S	1248G2	17736	
854	179629	4	4510	LIMERICK	UNSET	LFT OF RGT LL	23	F12S	1248H2	21256	
855	179757	4	4503	LIMERICK	UNSET	LFT OF RGT LL	25	F12S	1248H2	21256	
856	179846	4	4526	MT HENRY	UNSET	RGT OF LFT LL	24	E12S	1248F2	17676	
857	179888	4	4752	MT HARRIS	UNSET	RGT OF LFT LL	29	E12S	1248F2	17733	
858	179919	4	4510	MT HENRY	UNSET	RGT OF LFT LL	25	E12S	1248F2	17676	
859	180068	4	5045	MT LA PLATTA	UNSET	MANHOLE	80	E12S	1248G2	17724	

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860	180146	4	4541	MT HERBERT	UNSET	RGT OF LFT LL	33	E12S	1248F2	17701	
861	180222	4	4535	MT HERBERT	UNSET	LFT OF RGT LL	38	E12S	1248F2	17700	
862	180246	4	4462	PAOLA	UNSET	LFT OF RGT LL	38	F12S	1248H2	21288	
863	180262	4	4523	MT HERBERT	UNSET	LFT OF RGT LL	29	E12S	1248F2	17700	
864	180286	4	4712	MT GAYWAS	UNSET	RGT OF LFT LL	49	E12S	1248F2	17702	
865	180440	4	4478	MT HERBERT	UNSET	LFT OF RGT LL	28	E12S	1248F2	17697	
866	180545	4	4731	MT GAYWAS	UNSET	LFT OF RGT LL	28	E12S	1248F2	17705	
867	180583	4	4762	MT GAYWAS	UNSET	LFT OF RGT LL	28	E12S	1248F2	17712	in MH?
868	180651	4	4444	MT HENRY	UNSET	RGT OF LFT LL	28	E12S	1248F2	17692	
869	180681	4	4782	MT GAYWAS	UNSET	RGT OF LFT LL	31	E12S	1248F2	17712	
870	180689	4	4690	MT FRISSELL	UNSET	RGT OF LFT LL	37	E12S	1248F2	17706	
871	181045	4	4875	MT GAYWAS	UNSET	LFT OF RGT LL	28	E12S	1248G2	17715	
872	181214	4	5025	MT HAY	UNSET	RGT OF LFT LL	18	E12S	1248G2	17722	
873	181250	4	4764	MT ETNA	UNSET	LFT OF RGT LL	29	E12S	1248F2	17708	
874	181351	4	4957	MT GAYWAS	UNSET	LFT OF RGT LL	37	E12S	1248G2	17716	
875	181445	4	5034	MT GAYWAS	UNSET	RGT OF LFT LL	29	E12S	1248G2	17816	
876	181486	4	0		UNSET	MANHOLE	16	E12S	1248F2	17763	
877	181494	4	5050	MT GAYWAS	UNSET	LFT OF RGT LL	16	E12S	1248G2	17816	
878	181525	4	5062	MT GAYWAS	UNSET	LFT OF RGT LL	27	E12S	1248G2	17815	
879	181695	4	4449	MT EVEREST	UNSET	RGT OF LFT LL	37	E12S	1248G2	17813	
880	181835	4	5024	MT FRISSELL	UNSET	LFT OF RGT LL	31	E12S	1248G2	17819	
881	181941	4	5060	MT FRISSELL	UNSET	RGT OF LFT LL	23	E12S	1248G2	17820	
882	182038	4	4901	MT ELBRUS	UNSET	RGT OF LFT LL	15	E12S	1248F2	17831	
883	182255	4	5052	MT ETNA	UNSET	LFT OF RGT LL	16	E12S	1248G2	17821	
884	303782	4	5325	CLAIREMONT MESA	UNSET	RGT OF LFT LL	42	F11S	1248H1	20986	ESMT
885	303819	4	4532	MANITOU	UNSET	LFT OF RGT LL	22	E11S	1248F1	17413	
886	303821	4	4540	MANITOU	UNSET	LFT OF RGT LL	30	E11S	1248F1	17413	
887	303823	4	4548	MANITOU	UNSET	LFT OF RGT LL	30	E11S	1248F1	17413	
888	303826	4	4580	MANITOU	UNSET	LFT OF RGT LL	35	E11S	1248F1	17414	
889	303827	4	4588	MANITOU	UNSET	LFT OF RGT LL	38	E11S	1248F1	17414	
890	303885	4	4527	MANITOU	UNSET	RGT OF LFT LL	37	E11S	1248F1	17413	
891	303889	4	5302	KESLING	UNSET	RGT OF LFT LL	24	F11S	1248H1	21146	
892	303895	4	4581	MANITOU	UNSET	RGT OF LFT LL	33	E11S	1248F1	17414	
893	304314	4	4552	SAUK	UNSET	LFT OF RGT LL	31	E11S	1248F1	17430	
894	304361	4	4807	BOISE	UNSET	LFT OF RGT LL	20	E11S	1248F1	17419	
895	304371	4	4612	SAUK	UNSET	LFT OF RGT LL	49	E11S	1248F1	17431	
896	304412	4	4543	SAUK	UNSET	RGT OF LFT LL	38	E11S	1248F1	17430	
897	304613	4	4655	SAUK	UNSET	RGT OF LFT LL	17	E11S	1248F1	17435	
898	304699	4	4543	ACOMA	UNSET	RGT OF LFT LL	44	E11S	1248F1	17432	
899	304702	4	4727	CHICKASAW	UNSET	LFT OF RGT LL	23	E11S	1248F1	17564	
900	305166	4	4626	CHICKASAW	UNSET	RGT OF LFT LL	21	E11S	1248F1	17561	

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901	305437	4	4618	WINNEBAGO	UNSET	LFT OF RGT LL	20	E11S	1248F1	17453	
902	305465	4	4563	CHINOOK	UNSET	LFT OF RGT LL	40	E11S	1248F1	17559	
903	305774	4	4656	LYRIC	UNSET	RGT OF LFT LL	38	F12S	1248H1	21251	
904	305846	4	4628	DOLIVA	UNSET	LFT OF RGT LL	18	F12S	1248H1	21265	
905	305943	4	3985	CLAIREMONT MESA	UNSET	RGT OF LFT LL	23	E12S	1248E2	305943	
906	306136	4	3945	CLAIREMONT MESA	UNSET	RGT OF LFT LL	15	E12S	1248E2	17587	
907	306183	4	4751	MT LA PALMA	UNSET	LFT OF RGT LL	41	E12S	1248F2	17730	
908	306265	4	4874	MT LA PLATTA	UNSET	LFT OF RGT LL	20	E12S	1248G2	17743	
909	306629	4	4818	MT LONGS	UNSET	LFT OF RGT LL	32	E12S	1248G2	17736	
910	306642	4	4622	MT GAYWAS	UNSET	LFT OF RGT LL	32	E12S	1248F2	17678	
911	306853	4	4867	MT LONGS	UNSET	RGT OF LFT LL	40	E12S	1248G2	17736	
912	306864	4	4520	MT LINDSEY	UNSET	LFT OF RGT LL	35	E12S	1248F2	17669	
913	306869	4	4715	MT HARRIS	UNSET	RGT OF LFT LL	15	E12S	1248F2	17733	
914	306915	4	4536	MT LINDSEY	UNSET	LFT OF RGT LL	41	E12S	1248F2	17669	
915	306926	4	5034	MT LA PLATTA	UNSET	LFT OF RGT LL	32	E12S	1248G2	17746	
916	307010	4	5054	MT LA PLATTA	UNSET	RGT OF LFT LL	37	E12S	1248G2	17725	
917	307083	4	4441	MT LINDSEY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17675	
918	307096	4	4726	MT HAY	UNSET	LFT OF RGT LL	31	E12S	1248F2	17704	
919	307165	4	4440	MT LINDSEY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17643	
920	307219	4	4434	MT LINDSEY	UNSET	LFT OF RGT LL	25	E12S	1248F2	17643	
921	307416	4	4466	MT HERBERT	UNSET	RGT OF LFT LL	36	E12S	1248F2	17697	
922	307430	4	4772	MT GAYWAS	UNSET	LFT OF RGT LL	46	E12S	1248F2	17712	
923	307454	4	4927	MT HARRIS	UNSET	RGT OF LFT LL	25	E12S	1248G2	17720	
924	307468	4	4761	MT GAYWAS	UNSET	LFT OF RGT LL	31	E12S	1248F2	17705	
925	307528	4	4781	MT GAYWAS	UNSET	LFT OF RGT LL	15	E12S	1248F2	17712	
926	307551	4	4567	MT KING	UNSET	RGT OF LFT LL	31	E12S	1248F2	17644	
927	307577	4	4975	MT HARRIS	UNSET	LFT OF RGT LL	34	E12S	1248G2	17723	
928	307599	4	5026	MT HARRIS	UNSET	LFT OF RGT LL	23	E12S	1248G2	17723	
929	307610	4	4903	MT HAY	UNSET	RGT OF LFT LL	34	E12S	1248G2	17717	
930	307623	4	4750	MT FRISSELL	UNSET	LFT OF RGT LL	35	E12S	1248F2	17707	
931	307626	4	4946	MT HAY	UNSET	RGT OF LFT LL	16	E12S	1248G2	17721	
932	307649	4	4831	MT GAYWAS	UNSET	LFT OF RGT LL	33	E12S	1248G2	17715	
933	307667	4	4774	MT FRISSELL	UNSET	LFT OF RGT LL	33	E12S	1248F2	17707	
934	307680	4	4974	MT HAY	UNSET	RGT OF LFT LL	44	E12S	1248G2	17721	
935	307770	4	4728	MT ETNA	UNSET	RGT OF LFT LL	30	E12S	1248F2	17709	
936	307900	4	4776	MT ETNA	INSIDE CURB	LFT OF RGT LL	31	E12S	1248F2	17708	
937	308014	4	4912	MT FRISSELL	UNSET	LFT OF RGT LL	24	E12S	1248G2	17817	
938	308042	4	4922	MT FRISSELL	UNSET	LFT OF RGT LL	26	E12S	1248G2	17817	
939	308067	4	0		UNSET	LFT OF RGT LL	31	E12S	1248F2	17837	
940	308095	4	0		UNSET	RGT OF LFT LL	16	E12S	1248G2	17837	
941	308166	4	4941	MT FRISSELL	UNSET	RGT OF LFT LL	40	E12S	1248G2	17818	

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942	308175	4	0		UNSET	LFT OF RGT LL	31	E12S	1248F2	17837	
943	308197	4	4951	MT FRISSELL	UNSET	LFT OF RGT LL	38	E12S	1248G2	17818	
944	308368	4	4941	MT ETNA	UNSET	MANHOLE	15	E12S	1248G2	17835	
945	308406	4	4951	MT ETNA	UNSET	MANHOLE	43	E12S	1248G2	17834	
946	308467	4	5002	MT ETNA	UNSET	MANHOLE	5	E12S	1248G2	17834	
947	308538	4	4401	MT EVEREST	UNSET	RGT OF LFT LL	25	E12S	1248G2	17812	
948	308542	4	4952	MT ELBRUS	UNSET	LFT OF RGT LL	32	E12S	1248G2	17826	
949	308602	4	4381	MT DAVIS	UNSET	LFT OF RGT LL	19	E12S	1248G2	17823	
950	378498	4	4621	LYRIC	UNSET	RGT OF LFT LL	67	F12S	1248H1	21253	
951	175387	4	5355	CLAIREMONT MESA	UNSET	RGT OF LFT LL	64	F11S	1248H1	20984	ESMT
952	175412	4	4884	FRINK	UNSET	RGT OF LFT LL	70	E11S	1248F1	17415	
953	175447	4	4526	MANITOU	UNSET	LFT OF RGT LL	28	E11S	1248F1	17413	
954	175576	4	4521	MANITOU	UNSET	RGT OF LFT LL	28	E11S	1248F1	17413	in MH?
955	175582	4	4589	MANITOU	UNSET	unset	0	E11S	1248F1	17414	
956	175653	4	4878	DOLIVA	UNSET	LFT OF RGT LL	15	F11S	1248H1	21149	ESMT
957	175700	4	5315	KESLING	UNSET	RGT OF LFT LL	36	F11S	1248H1	21146	
958	175882	4	4846	BOISE	UNSET	RGT OF LFT LL	25	E11S	1248F1	17417	
959	176238	4	4522	SAUK	UNSET	LFT OF RGT LL	32	E11S	1248F1	17429	
960	176240	4	4622	SAUK	UNSET	RGT OF LFT LL	35	E11S	1248F1	17431	
961	176251	4	4553	SAUK	UNSET	RGT OF LFT LL	40	E11S	1248F1	17430	
962	176289	4	4533	SAUK	UNSET	LFT OF RGT LL	13	E11S	1248F1	17429	
963	176341	4	4632	SAUK	UNSET	LOT LINE	39	E11S	1248F1	17435	
964	176344	4	4632	SAUK	UNSET	LFT OF RGT LL	39	E11S	1248F1	17435	
965	176356	4	4781	BOISE	UNSET	LOT LINE	30	E11S	1248F1	17419	
966	176402	4	4625	SAUK	UNSET	RGT OF LFT LL	21	E11S	1248F1	17435	
967	176567	4	4552	ACOMA	UNSET	unset	0	E11S	1248F1	17433	in MH?
968	176772	4	4704	SHOSHONI	UNSET	LFT OF RGT LL	35	E11S	1248F1	17447	
969	176806	4	4161	CLAIREMONT MESA	UNSET	LFT OF RGT LL	21	E11S	1248E1	17536	
970	177337	4	4651	CHICKASAW	UNSET	LFT OF RGT LL	25	E11S	1248F1	17561	
971	177345	4	4111	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17540	
972	177396	4	4649	WINNEBAGO	UNSET	RGT OF LFT LL	30	E11S	1248F1	17451	
973	177717	4	4580	CHINOOK	UNSET	RGT OF LFT LL	46	E11S	1248F1	17560	
974	178197	4	0		UNSET	LFT OF RGT LL	26	E11S	1248G1	17740	
975	178216	4	5219	LIVERING	UNSET	RGT OF LFT LL	20	F11S	1248H1	21166	
976	178307	4	4728	MT LA PLATTA	UNSET	MANHOLE	62	E11S	1248G1	17739	
977	178399	4	4717	MT LA PLATTA	UNSET	RGT OF LFT LL	48	E12S	1248F1	17739	
978	178407	4	4752	MT LA PLATTA	UNSET	RGT OF LFT LL	31	E12S	1248G1	17739	
979	178693	4	4742	MT LA PALMA	UNSET	LFT OF RGT LL	40	E12S	1248F2	17730	
980	178703	4	4801	MT LA PLATTA	UNSET	LFT OF RGT LL	31	E12S	1248G2	17742	
981	178783	4	3953	CLAIREMONT MESA	UNSET	RGT OF LFT LL	5	E12S	1248E2	17587	
982	178834	4	4611	LIMERICK	UNSET	RGT OF LFT LL	14	F12S	1248H1	21254	

Sewer Pipeline Rehab AB-1
Sewer Laterals to be Rehabilitated

983	178845	4	4839	MT LA PLATTA	UNSET	LFT OF RGT LL	24	E12S	1248G2	17742	
984	178877	4	4862	MT LA PLATTA	UNSET	RGT OF LFT LL	36	E12S	1248G2	17743	
985	178898	4	4579	LIMERICK	UNSET	LFT OF RGT LL	9	F12S	1248H2	21262	
986	179105	4	4812	MT LA PALMA	UNSET	RGT OF LFT LL	42	E12S	1248G2	17738	
987	179111	4	4671	MT LONGS	UNSET	MANHOLE	42	E12S	1248F2	17687	
988	179212	4	4832	MT LA PALMA	UNSET	RGT OF LFT LL	26	E12S	1248G2	17737	
989	179348	4	4535	MT GAYWAS	UNSET	LFT OF RGT LL	22	E12S	1248F2	17672	
990	179658	4	4852	MT LONGS	UNSET	RGT OF LFT LL	45	E12S	1248G2	17736	
991	179703	4	4884	MT LA PALMA	UNSET	RGT OF LFT LL	32	E12S	1248G2	17735	
992	179810	4	4502	MT LINDSEY	UNSET	RGT OF LFT LL	27	E12S	1248F2	17669	
993	179822	4	5645	CASTLETON	UNSET	RGT OF LFT LL	37	F12S	1248H2	21270	
994	179848	4	4645	MT GAYWAS	UNSET	RGT OF LFT LL	40	E12S	1248F2	17677	
995	179855	4	4738	MT HARRIS	UNSET	LFT OF RGT LL	15	E12S	1248F2	17733	
996	179920	4	4525	MT HENRY	UNSET	LFT OF RGT LL	33	E12S	1248F2	17676	
997	179936	4	4929	MT LONGS	UNSET	LFT OF RGT LL	30	E12S	1248G2	17734	
998	179995	4	4949	MT LONGS	UNSET	LFT OF RGT LL	43	E12S	1248G2	17734	
999	180015	4	4557	MT HERBERT	UNSET	LFT OF RGT LL	55	E12S	1248F2	17703	
1000	180036	4	4561	MT FORAKER	UNSET	LFT OF RGT LL	30	E12S	1248G2	17735	
1001	180049	4	4541	MT LINDSEY	UNSET	RGT OF LFT LL	30	E12S	1248F2	17641	
1002	180076	4	4802	MT HARRIS	UNSET	LFT OF RGT LL	45	E12S	1248G2	17718	
1003	180126	4	4504	CASTLETON	UNSET	LFT OF RGT LL	32	F12S	1248H2	21273	
1004	180135	4	4472	PAOLA	UNSET	LFT OF RGT LL	33	F12S	1248H2	21288	in MH?
1005	180368	4	4469	MT HENRY	UNSET	LFT OF RGT LL	40	E12S	1248F2	17691	
1006	180378	4	4857	MT HARRIS	UNSET	RGT OF LFT LL	32	E12S	1248G2	17919	
1007	180519	4	4411	MT LINDSEY	UNSET	RGT OF LFT LL	36	E12S	1248F2	17643	
1008	180547	4	4752	MT GAYWAS	UNSET	LFT OF RGT LL	16	E12S	1248F2	17705	
1009	180831	4	5014	MT HARRIS	UNSET	LFT OF RGT LL	20	E12S	1248G2	17723	
1010	180919	4	4581	MT KING	UNSET	RGT OF LFT LL	39	E12S	1248F2	17693	
1011	181044	4	4959	MT HAY	UNSET	LFT OF RGT LL	34	E12S	1248G2	17721	
1012	181133	4	5071	MT HARRIS	UNSET	MANHOLE	198	E12S	1248G2	17727	
1013	181139	4	4428	MT HERBERT	UNSET	RGT OF LFT LL	35	E12S	1248F2	17695	
1014	181230	4	4490	MT EVEREST	UNSET	MANHOLE	44	E12S	1248G2	17728	
1015	181294	4	4886	MT FRISSELL	UNSET	RGT OF LFT LL	22	E12S	1248G2	17714	
1016	181466	4	5001	MT GAYWAS	UNSET	RGT OF LFT LL	14	E12S	1248G2	17816	
1017	181546	4	4921	MT FRISSELL	UNSET	RGT OF LFT LL	38	E12S	1248G2	17817	
1018	181552	4	0		UNSET	LFT OF RGT LL	29	E12S	1248F2	17837	
1019	181618	4	4962	MT FRISSELL	UNSET	LFT OF RGT LL	36	E12S	1248G2	17818	
1020	181877	4	4874	MT ELBRUS	UNSET	LFT OF RGT LL	25	E12S	1248F2	17762	
1021	181989	4	4885	MT ELBRUS	UNSET	RGT OF LFT LL	40	E12S	1248F2	17831	
1022	182049	4	4417	MT EVEREST	UNSET	LFT OF RGT LL	25	E12S	1248G2	17812	
1023	182053	4	4844	MT ELBRUS	UNSET	RGT OF LFT LL	30	E12S	1248F2	17761	

Sewer Pipeline Rehab AB-1
Sewer Laterals to be Rehabilitated

1024	182084	4	4971	MT ETNA	UNSET	RGT OF LFT LL	26	E12S	1248G2	17834	
1025	182233	4	4354	MT ELBRUS	UNSET	RGT OF LFT LL	33	E12S	1248F2	17830	
1026	182277	4	4346	MT ELBRUS	UNSET	LFT OF RGT LL	25	E12S	1248F2	17830	
1027	279910	4	4410	CARIB	UNSET	RGT OF LFT LL	20	E11S	1248F1	17452	
1028	304045	4	4301	CLAIREMONT MESA	UNSET	unset	0	E11S	1248E1	17532	
1029	304132	4	4612	BANNOCK	UNSET	RGT OF LFT LL	30	E11S	1248F1	17421	
1030	304198	4	4615	BANNOCK	UNSET	LFT OF RGT LL	40	E11S	1248F1	17421	
1031	304368	4	4532	SAUK	UNSET	LFT OF RGT LL	31	E11S	1248F1	17429	
1032	304422	4	4801	BOISE	UNSET	LFT OF RGT LL	20	E11S	1248F1	17419	
1033	304429	4	4605	SAUK	UNSET	LFT OF RGT LL	22	E11S	1248F1	17431	
1034	304560	4	4662	SAUK	UNSET	LFT OF RGT LL	15	E11S	1248F1	17435	
1035	304658	4	4572	ACOMA	UNSET	RGT OF LFT LL	21	E11S	1248F1	17433	
1036	304678	4	4582	ACOMA	UNSET	RGT OF LFT LL	21	E11S	1248F1	17433	
1037	304709	4	4563	ACOMA	UNSET	RGT OF LFT LL	40	E11S	1248F1	17433	
1038	304794	4	4685	SHOSHONI	UNSET	LFT OF RGT LL	28	E11S	1248F1	17447	
1039	304921	4	4665	SHOSHONI	UNSET	RGT OF LFT LL	41	E11S	1248F1	17446	
1040	305110	4	4657	WINNEBAGO	UNSET	RGT OF LFT LL	25	E11S	1248F1	17450	
1041	305482	4	4037	CLAIREMONT MESA	UNSET	LFT OF RGT LL	20	E11S	1248E1	17541	
1042	305528	4	4031	CLAIREMONT MESA	UNSET	LFT OF RGT LL	10	E11S	1248E1	17542	
1043	305570	4	4541	CHINOOK	UNSET	LFT OF RGT LL	38	E11S	1248F1	17558	
1044	305737	4	4702	MT LA PLATTA	UNSET	MANHOLE	59	E11S	1248F1	17463	
1045	305764	4	4642	MT LA PLATTA	UNSET	MANHOLE	114	E11S	1248F1	17683	
1046	305891	4	4641	LIMERICK	UNSET	RGT OF LFT LL	23	F12S	1248H1	21249	
1047	306050	4	4621	MT LONGS	UNSET	RGT OF LFT LL	19	E12S	1248F2	17684	
1048	306281	4	4533	LIMERICK	UNSET	RGT OF LFT LL	14	F12S	1248H2	21268	
1049	306310	4	4680	MT LONGS	UNSET	LFT OF RGT LL	38	E12S	1248F2	17687	
1050	306366	4	4502	MT GAYWAS	UNSET	LFT OF RGT LL	22	E12S	1248F2	17672	
1051	306393	4	4909	MT LA PLATTA	UNSET	LFT OF RGT LL	30	E12S	1248G2	17744	
1052	306458	4	4511	MT GAYWAS	UNSET	LFT OF RGT LL	33	E12S	1248F2	17673	
1053	306501	4	4727	MT LONGS	UNSET	RGT OF LFT LL	32	E12S	1248F2	17732	
1054	306519	4	4764	MT LONGS	UNSET	RGT OF LFT LL	16	E12S	1248G2	17732	
1055	306637	4	4533	LIMERICK	UNSET	RGT OF LFT LL	33	F12S	1248H2	21256	
1056	306650	4	4872	MT LA PALMA	UNSET	RGT OF LFT LL	18	E12S	1248G2	17737	
1057	306761	4	4480	MT LINDSEY	UNSET	LFT OF RGT LL	36	E12S	1248F2	17675	
1058	306844	4	4479	LIMERICK	UNSET	RGT OF LFT LL	22	F12S	1248H2	21256	
1059	306893	4	4727	MT HARRIS	UNSET	RGT OF LFT LL	46	E12S	1248F2	17733	
1060	307087	4	4487	MT HENRY	UNSET	RGT OF LFT LL	42	E12S	1248F2	17690	
1061	307142	4	4471	PAOLA	UNSET	LFT OF RGT LL	34	F12S	1248H2	21288	
1062	307221	4	4468	MT HENRY	UNSET	RGT OF LFT LL	38	E12S	1248F2	17691	
1063	307279	4	4495	MT HERBERT	UNSET	RGT OF LFT LL	52	E12S	1248F2	17699	
1064	307374	4	4803	MT HAY	UNSET	RGT OF LFT LL	30	E12S	1248G2	17711	

Sewer Pipeline Rehab AB-1
Sewer Laterals to be Rehabilitated

1065	307392	4	4465	MT HERBERT	UNSET	LFT OF RGT LL	30	E12S	1248F2	17697	
1066	307547	4	4618	MT ETNA	UNSET	RGT OF LFT LL	5	E12S	1248F2	17710	
1067	307555	4	4791	MT GAYWAS	UNSET	RGT OF LFT LL	16	E12S	1248F2	17712	
1068	307632	4	5038	MT HARRIS	UNSET	LFT OF RGT LL	29	E12S	1248G2	17727	
1069	307708	4	4702	MT ETNA	UNSET	RGT OF LFT LL	31	E12S	1248F2	17709	
1070	307709	4	5051	MT HARRIS	UNSET	MANHOLE	64	E12S	1248G2	17727	
1071	307769	4	5024	MT HAY	UNSET	LFT OF RGT LL	27	E12S	1248G2	17722	
1072	307808	4	4740	MT ETNA	UNSET	LFT OF RGT LL	30	E12S	1248F2	17709	
1073	307831	4	4752	MT ETNA	UNSET	RGT OF LFT LL	33	E12S	1248F2	17708	
1074	307848	4	4944	MT GAYWAS	UNSET	RGT OF LFT LL	29	E12S	1248G2	17716	
1075	307855	4	4489	MT EVEREST	UNSET	RGT OF LFT LL	38	E12S	1248G2	17728	
1076	307996	4	4812	MT ETNA	UNSET	LFT OF RGT LL	29	E12S	1248F2	17763	
1077	308024	4	4985	MT GAYWAS	UNSET	RGT OF LFT LL	29	E12S	1248G2	17816	
1078	308061	4	4932	MT FRISSELL	UNSET	RGT OF LFT LL	12	E12S	1248G2	17817	
1079	308128	4	4931	MT FRISSELL	UNSET	LFT OF RGT LL	10	E12S	1248G2	17817	
1080	308308	4	5001	MT FRISSELL	UNSET	LFT OF RGT LL	35	E12S	1248G2	17819	
1081	308336	4	4931	MT ETNA	UNSET	LFT OF RGT LL	35	E12S	1248G2	17835	
1082	308429	4	4961	MT ETNA	UNSET	RGT OF LFT LL	25	E12S	1248G2	17834	
1083	308446	4	4853	MT ELBRUS	UNSET	LFT OF RGT LL	15	E12S	1248F2	17762	
1084	308584	4	4972	MT ELBRUS	UNSET	LFT OF RGT LL	31	E12S	1248G2	17825	
1085	1130028	6	4120	CLAIREMONT MESA	INSIDE PROPERTY LINE	LFT OF RGT LL	14	E11S	1248E1	17540	

APPENDIX L

Television Inspection Reports And Sample Formats, Codes

Appendix L

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

- Lateral 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 Engineer or PM will apply for a new FSN for the facility.

An Excel file of Appendix K can be provided upon request. A copy of the database example for Mains will also be provided, however, as 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_SE Q_NUM	INSPECTION_DT	CAMERA_OPERA TOR	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_N UM	UPSTREAM_MAN H_MAPID	UPSTREAM_MA NH_FLD_BK_GRI D_NUM	DOWNSTRM_MANH _FLD_BK_PAGE_NU M	DOWNSTRM_MANH_FLD_BK_GRID_N UM
	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_N M	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

Lined To Date Sample Report - Lined Sewer Segments

FSN	REHAB DATE	LENGTH	INSIDE DIAM	FUNCTIONAL DIAM	LINING TYPE DESC	LINING METHOD DESC	REHAB CONTRACTOR DESC	REHAB MATERIAL VENDOR	COMMENTS	ACCEPTANCE DATE
65112	8/22/2006	312	8	7	PVC	SPIRAL WOUND	WESCO INFRA. TECHNOLOGIES,LP	RIBLOC	EXAMPLE - Leave this row in the table as it is.	8/22/2006

Lined To Date Sample Report - Lined Sewer Lateral Segments

FSN	ADDRESS	FSN LATERAL	REHAB DATE	LENGTH	INSIDE DIAM	FUNCTIONAL DIAM	EXISTING PIPE MATERIAL	LINING TYPE DESC	LINING METHOD DESC	REHAB CONTRACTOR DESC	REHAB MATERIAL VENDOR	COMMENTS	ACCEPTANCE DATE
16655	6918 Haworth St	168360	8/24/2010	20	4	4	VCP	Applied Felts/PVC	CIPP (INVERSION)	ACE PIPELINE CORPORATION	PIPELINING SUPPLY		8/26/2010
16655	6932 Haworth St	168335	8/24/2010	13.4	4	4	VCP	Applied Felts/PVC	CIPP (INVERSION)	ACE PIPELINE CORPORATION	PIPELINING SUPPLY		8/26/2010
16655	6946 Haworth St	168290	8/24/2010	18.9	4	4	VCP	Applied Felts/PVC	CIPP (INVERSION)	ACE PIPELINE CORPORATION	PIPELINING SUPPLY		8/26/2010
16655	6953 Haworth St	168336	8/24/2010	17.8	4	4	VCP	Applied Felts/PVC	CIPP (INVERSION)	ACE PIPELINE CORPORATION	PIPELINING SUPPLY		8/26/2010

APPENDIX N

Sample Door Hanger



CONSTRUCTION NOTICE

PROJECT NAME

The work will consist of:

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

How your neighborhood may be impacted:

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

Anticipated Construction Schedule

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

Hours and Days of Operation

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

For questions related to this work

Call: (619) 533-4207

Email: engineering@san Diego.gov

Visit: sandiego.gov/CIP



This information is available in alternative formats upon request.



CONSTRUCTION NOTICE

PROJECT NAME

The work will consist of:

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

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For questions related to this work

Call: (619) 533-4207

Email: engineering@san Diego.gov

Visit: sandiego.gov/CIP



This information is available in alternative formats upon request.

ATTACHMENT F
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THE CITY OF SAN DIEGO

Purchasing and Contracting Department
Contracting Division
1200 Third Avenue, Suite 200
San Diego, CA 92101
(619) 236-6000

FAX TRANSMITTAL

Date: February 3, 2015

The following 5 pages (including this cover) are intended for:

To:	Estimator	From:	Celia Navarro
Company:	Southwest Pipeline & Trenchless	Division:	Contracting Group
Email #	justin@swpipeline.com	FAX #	619-533-3633
Phone #	(310) 329-8717	Phone #	619-533-3431

RE: Bid # K-15-1218-DBB-3-C Pipeline Rehabilitation AB-1

COMMENTS:

In tabulating the bid results of subject project, we have found that the ESTIMATED TOTAL BASE BID is **\$4,542,051.65** NOT **\$4,537,051.65** as per your bid.

Please FAX or Email acknowledgement/concurrence of the correct amount, by 4:00pm today.

If there are any problems with receiving this FAX transmission (such as missing pages), please contact the Sender at the "From" phone number given above.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW, RECEIPT BY AN UNINTENDED RECIPIENT DOES NOT CONSTITUTE A WAIVER OF ANY APPLICABLE PRIVILEGE.

If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the above address via the U.S. Postal Service.

2/3/15 CW
valid

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline & Trenchless Corp.
ADDRESS: 22118 S. Vermont Ave., Torrance CA 90502
TELEPHONE NO.: 310-329-8717 FAX NO.: 310-329-0981
CITY CONTACT: Damian Singleton, Contract Specialist, Email: Dsingleton@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633
J. Myers / R Taleghani / LJI

CONTRACT DOCUMENTS



FOR

PIPELINE REHABILITATION AB-1

VOLUME 2 OF 2

BID NO.: K-15-1218-DBB-3-C
SAP NO. (WBS/IO/CC): B-13222
CLIENT DEPARTMENT: 2011
COUNCIL DISTRICT: 6
PROJECT TYPE: JA

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

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

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

TABLE OF CONTENTS

DESCRIPTION

PAGE NUMBER

Volume 2 - Bidding Documents

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

1. Bid/Proposal.....	3
2. Bid Bond.....	6
3. Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106.....	7
4. Contractors Certification of Pending Actions.....	8
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8. Form AA40 - Named Equipment/Material Supplier List.....	17

BIDDING DOCUMENTS

PROPOSAL

Bidder's General Information

To the City of San Diego:

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

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

IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:

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

IF A PARTNERSHIP, SIGN HERE:

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

BIDDING DOCUMENTS

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

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

Full Name and Character of partner

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

(5) City and State _____ Zip Code _____

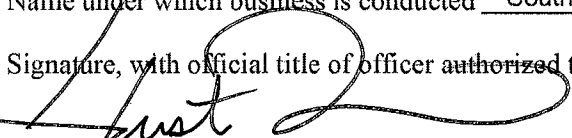
(6) Telephone No. _____ Facsimile No. _____

(7) Email Address _____

IF A CORPORATION, SIGN HERE:

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

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



(Signature)

Justin Duchaineau

(Printed Name)

President

(Title of Officer)

(Impress Corporate Seal Here)

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

(4) Place of Business (Street & Number) 22118 S. Vermont Avenue

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

(6) Telephone No. 310-329-8717 Facsimile No. 310-329-0981

(7) Email Address justin@swpipeline.com

BIDDING DOCUMENTS

BID BOND

KNOW ALL MEN BY THESE PRESENTS,

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

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

Pipeline Rehabilitation AB-1 Contract No. K-15-1218 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 15th day of January, 2015.

Southwest Pipeline and Trenchless Corp. (SEAL)

(Principal)

By: 

(Signature)

Liberty Mutual Insurance Company (SEAL)

(Surety)

By: 

(Signature)

Noemi Quiroz

, 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)

JAN 15 2015

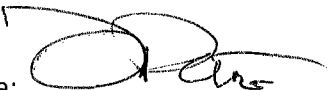
On _____, before me, Maria Pena, Notary Public, personally appeared Noemi Quiroz, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies),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

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

WITNESS my hand and official seal.



(Seal)

Signature: 

Maria Pena, Notary Public

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

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

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

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: City of San Diego

Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

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



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

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

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

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

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



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

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 15th day of January, 2015.



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

BIDDING DOCUMENTS

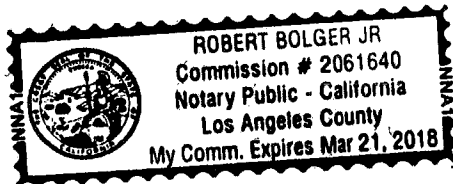
**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND
SUBMITTED WITH BID UNDER 23 UNITED STATES CODE 112 AND
PUBLIC CONTRACT CODE 7106**

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

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

Signed: _____

Title: President



Subscribed and sworn to before me this 27th day of January, 2015

Notary Public

(SEAL)

BIDDING DOCUMENTS

CONTRACTORS CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

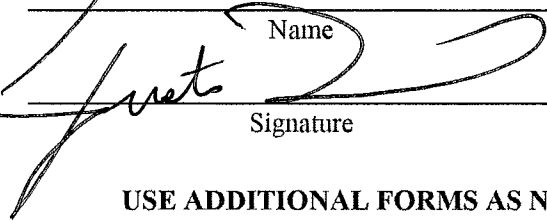
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

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

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By Justin Duchaineau Title President
Name


Signature

Date 1-27-2015

USE ADDITIONAL FORMS AS NECESSARY

BIDDING DOCUMENTS

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



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

COMPANY INFORMATION

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

CONTRACT INFORMATION

Contract Title: Pipeline Rehabilitation AB-1	Start Date:
Contract Number (if no number, state location): San Diego	End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

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

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

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

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

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

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

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

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

Justin Duchaineau- President		1-27-2015
Name/Title of Signatory	Signature	Date

FOR OFFICIAL CITY USE ONLY

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

(Rev 02/15/2011)

BIDDING DOCUMENTS

PROPOSAL (BID)

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

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1	1	LS	524126	2-4.1	Bonds (Payment and Performance)	 	\$40,000.00 \$35,000.00 JD
2	1	LS	238990	7-9.1.1	Video Recording of Pre-existing Conditions	 	\$1,200.00
3	1	LS	237310	7-10.2.6	Traffic Control	 	\$5,000.00
4	1	LS	237110	9-3.4.1	Mobilization	 	\$5,000.00
5	1	AL		9-3.5	Field Orders-Type II	 	\$100,000.00
6	40	TON	237310	302-3.2	Asphalt Pavement Repair	\$217.00	\$8,680.00
7	9,600	SF	237310	302-4.12.4	Rubber Polymer Modified Slurry Type II and Striping	\$.60	\$ 5,760.00
8	9,600	SF	237310	302-5.2.1	Pavement Restoration Adjacent to Trench	\$ 1.69	\$ 16,224.00
9	100	CY	237310	302-6.8	Concrete Pavement	\$280.00	\$28,000.00

BIDDING DOCUMENTS

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
10	200	LF	237310	303-5.9	Additional Curb and Gutter	\$27. ⁰⁰	\$5,400. ⁰⁰
11	100	SF	237310	303-5.9	Additional Sidewalk Removal and Replacement	\$6. ⁰⁰	\$600. ⁰⁰
12	1	EA	237310	303-5.10.2	Curb Ramp Type A with Stainless Steel Detectable Warning Tiles	\$2,500. ⁰⁰	\$2,500. ⁰⁰
13	1	EA	237310	303-5.10.2	Curb Ramp Type B with Stainless Steel Detectable Warning Tiles	\$2,500. ⁰⁰	\$2,500. ⁰⁰
14	1	EA	237310	303-5.10.2	Curb Ramp Type C-1 with Stainless Steel Detectable Warning Tiles	\$2,500. ⁰⁰	\$2,500. ⁰⁰
15	1	EA	237310	303-5.10.2	Curb Ramp Type C-2 with Stainless Steel Detectable Warning Tiles	\$2,500. ⁰⁰	\$2,500. ⁰⁰
16	2	EA	237310	303-5.10.2	Curb Ramp Type D with Stainless Steel Detectable Warning Tiles	\$2,000. ⁰⁰	\$4,000. ⁰⁰
17	12	EA	237310	303-5.10.2	Curb Ramp Type A with Detectable Warning Tiles	\$2,300. ⁰⁰	\$27,600. ⁰⁰
18	6	EA	237310	303-5.10.2	Curb Ramp Type B with Detectable Warning Tiles	\$2,300. ⁰⁰	\$13,800. ⁰⁰
19	1	EA	237310	303-5.10.2	Curb Ramp Type C-1 with Detectable Warning Tiles	\$2,300. ⁰⁰	\$2,300. ⁰⁰
20	1	EA	237310	303-5.10.2	Curb Ramp Type C-2 with Detectable Warning Tiles	\$2,300. ⁰⁰	\$2,300. ⁰⁰
21	1	EA	237310	303-5.10.2	Curb Ramp Type D with Detectable Warning Tiles	\$1,800. ⁰⁰	\$1,800. ⁰⁰
22	1	LS	237110	306-1.1.6	Trench Shoring	 	\$2,000. ⁰⁰

BIDDING DOCUMENTS

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
23	20	CY	237110	306-1.2.1.1	Additional Bedding	\$20. ⁰⁰	\$400. ⁰⁰
24	50	TON	237310	306-1.5.1	Temporary Resurfacing	\$1. ⁰⁰	\$50. ⁰⁰
25	50	TON	237110	306-1.6	Imported Backfill	\$20. ⁰⁰	\$1,000. ⁰⁰
26	1	LS	541330	701-13.8.4	Water Pollution Control Program Development	 	\$500. ⁰⁰
27	1	LS	237990	701-13.8.4	Water Pollution Control Program Implementation	 	\$2,000. ⁰⁰
28	1	LS	237110	704-4	Sewage Bypass and Pumping Plan (Diversion Plan)	 	\$1,500. ⁰⁰
SEWER PIPELINE							
29	42,233	LF	237110	306-9.7	Video inspecting pipelines and culverts for Acceptance	\$40	\$16,893.20
30	42,233	LF	237110	306-9.7	Cleaning and video inspecting pipelines and culverts	\$.65	\$27,451.45
31	39	EA	237110	306-1.6	Sewer Main Cleanout	\$4,500. ⁰⁰	\$175,500. ⁰⁰
32	42,233	LF	237110	500-1.1.9	Rehabilitate 8-Inch Sewer Main	\$21. ⁰⁰	\$886,893. ⁰⁰
33	50	EA	237110	500-1.2.7	Point Repair for Existing 8-Inch Sewer Main	\$4,900. ⁰⁰	\$245,000. ⁰⁰

BIDDING DOCUMENTS

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension	
34	100	LF	237110	500-1.2.7	Additional Point Repair for Existing 8-Inch Sewer Main	\$150. ⁰⁰	\$15,000. ⁰⁰	
35	1	EA	237110	306-1.8.6	Manholes (4 x 3) Replace in Place	\$9,000. ⁰⁰	\$9,000. ⁰⁰	
36	14	EA	237110	500-2.10.2	Repair and Rehabilitate Existing Manhole	\$1,600. ⁰⁰	\$22,400. ⁰⁰	
SEWER LATERAL								
37	1,085	EA	237110	306-9.7	Lateral Launch Video	\$30. ⁰⁰	\$32,550. ⁰⁰	
38	1,085	EA	237110	500-1.6.6	Service Lateral Connection & Sealing	\$800. ⁰⁰	\$868,000. ⁰⁰	
39	625	EA	237110	500-1.6.6	Rehabilitate Sewer Lateral (Up to 7-Feet of Depth)	\$1,750. ⁰⁰	\$1,093,750. ⁰⁰	
40	460	EA	237110	500-1.6.6	Rehabilitate Sewer Lateral (Greater than 7-Feet of Depth)	\$1,825. ⁰⁰	\$839,500. ⁰⁰	
41	10	EA	237110	500-1.6.6	Lateral Point Repairs	\$2,500. ⁰⁰	\$25,000. ⁰⁰	
ESTIMATED TOTAL BASE BID:							\$	4,537,051.⁶⁵

BIDDING DOCUMENTS

TOTAL BID PRICE FOR BID (Items 1 through 41 inclusive) amount written in words:

Four Million ^{JD} Five Hundred Thirty Seven Thousand Fifty One Dollars and sixty Five cents

The Bid shall contain an acknowledgment of receipt of all addenda, the numbers of which shall be filled in on the Bid form. If an addendum or addenda has been issued by the City and not noted as being received by the Bidder, this proposal shall be rejected as being **non-responsive**. The following addenda have been received and are acknowledged in this bid: n/a

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

Justin Duchaineau-President

Robert Bolger-Secretary

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

Bidder: Justin Duchaineau Southwest Pipeline & Trenchless Corp.

Title: President

Business Address: 22118 S. Vermont Ave., Torrance CA 90502

Place of Business: Torrance, California

Place of Residence: Marina Del Ray, California

Signature: 

BIDDING DOCUMENTS

NOTES:

- A. The City shall determine the low Bid based on the Base Bid alone:
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- C. Failure to initial all corrections made in the bidding documents shall cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.
- D. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- E. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- F. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- G. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- H. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.
- I. Subcontractors' License Number must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT (MUST BE FILLED OUT)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED ②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Easyflow</u> Address: <u>13682 Lindamere Ln</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92128</u> Phone: <u>909-908-7300</u> Email: <u>adam@trenchlessrehab.com</u>	Constructor	960845	Lateral Lining, Launching	\$781,200.00	ELBE	City	
Name: <u>Terra West</u> Address: <u>1061 Tierra Del Rey #204</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-591-1007</u> Email: <u>roberto@terra.west.inc.com</u>	Designer	n/a	WPCP	\$500.00	ELBE	City	

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

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

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

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

0.4582
CO

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

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT (MUST BE FILLED OUT)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED ②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Piperin</u> Address: <u>1185 Park Center Suite S</u> City: <u>Vista</u> State: <u>CA</u> Zip: <u>92081</u> Phone: <u>760-305-7248</u> Email: <u>craig@piperincorp.com</u>	<u>constructor</u>	<u>964028</u>	<u>open cut partial / clean-outs / Partial</u>	<u>1,297,500.00</u>	<u>ELBE</u>	<u>City</u>	
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

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

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

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

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

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

BIDDING DOCUMENTS

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

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

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

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

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

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

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

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



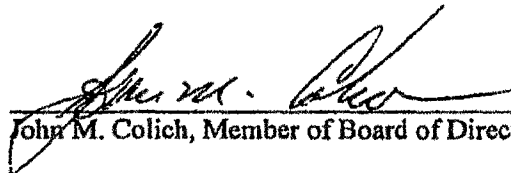
**SOUTHWEST PIPELINE
& TRENCHLESS CORP.**

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

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

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

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



John M. Colich, Member of Board of Directors



Janine T. Colich, Member of Board of Directors



**Southwest Pipeline & Trenchless Corp.
22118 S. Vermont Ave.
Torrance, CA 90502
Tel. 310-329-8717 Fax 310-329-0981**

