



**ENGINEER OF WORK**

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

  
\_\_\_\_\_  
For City Engineer

8/26/2019  
Date

Seal:



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## REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

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.

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.	At Time of Bid	ALL BIDDERS	Bid Bond (PDF)
2.	At Time of Bid	ALL BIDDERS	Contractors Certification of Pending Actions
3.	At Time of Bid	ALL BIDDERS	Mandatory Disclosure of Business Interests
4.	At Time of Bid	ALL BIDDERS	Names of the Principal individual owner(s) of the Bidding Firm
5.	At Time of Bid	ALL BIDDERS	Contractor's Experience and Past Project Documentation. See SSPs and 2018 WB Section 500-2.1, "Initial Submittals" <b>(Per PM Request)</b>
6.	At Time of Bid	ALL BIDDERS	Manufacturer Authorized Installer Certification. See SSP and 2018 WB Section 500-2.1, "Initial Submittals" <b>(Per PM Request)</b>
7.	Within 24 Hours of Bid opening	ALL BIDDERS	Bid Bond (Original)
8.	Within 3 working days of bid opening	ALL BIDDERS	SLBE Good Faith Effort Documentation
9.	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS	Form AA60 – List of Work Made Available

<b>ITEM</b>	<b>WHEN DUE</b>	<b>FROM</b>	<b>DOCUMENT TO BE SUBMITTED</b>
10.	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
11.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Phased Funding Schedule Agreement (when required)
12.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Pre-Award Schedule (Phased Funded Contracts Only)
13.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Contract Forms - Agreement
14.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
15.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
16.	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER	Listing of "Other Than First Tier" Subcontractors

## NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Pipeline Rehabilitation AR-1**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This solicitation is subject to full and open competition and may be bid by Contractors on the City's approved Prequalified Contractors List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,290,000**.
4. **BID DUE DATE AND TIME ARE: October 8, at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classifications: **A** or **C-34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
  - 7.1. 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	<b>6.0%</b>
2. ELBE participation	<b>9.3%</b>
3. Total mandatory participation	<b>15.3%</b>
  - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
    - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
    - 7.2.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on a Universal Serial Bus (USB) Type-A, Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

**8. AWARD PROCESS:**

- 8.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 8.2. Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 8.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 8.4. The low Bid will be determined by the Base Bid alone.
- 8.5. Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base Bid alone.

**9. SUBMISSION OF QUESTIONS:**

- 9.1. The Director (or Designee) of 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. Any questions related to this solicitation shall be submitted to:

Public Works Contracts  
525 B Street, Suite 750 (7<sup>th</sup> Floor)  
San Diego, California, 92101  
Attention: [Antoinette Sanfilippo](#)

OR:

[ASanfilippo@sandiego.gov](mailto:ASanfilippo@sandiego.gov)

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

- 9.2. Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- 9.3. Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.

**10. PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.

## INSTRUCTIONS TO BIDDERS

### 1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
  - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
  - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
  - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
  - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

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



- 1.5. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).
2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.
  - 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit and electronic bid.
  - 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
  - 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
  - 2.4. **BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter who has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
  - 2.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.

**2.6. RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

**2.7. BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.

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

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

### **3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT**

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

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

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

**3.4.** The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.

**4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained

within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

**5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**

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

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

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

**6. JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 14 Calendar Days after receiving the Contract forms.

**7. INSURANCE REQUIREMENTS:**

**7.1.** 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.

**7.2.** Refer to sections 5-4, “INSURANCE” of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

**8. 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”) <a href="http://www.greenbookspecs.org/">http://www.greenbookspecs.org/</a>	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)* <a href="https://www.sandiego.gov/publicworks/edocref/greenbook">https://www.sandiego.gov/publicworks/edocref/greenbook</a>	2018	PWPI010119 -02
City of San Diego Standard Drawings* <a href="https://www.sandiego.gov/publicworks/edocref/standarddraw">https://www.sandiego.gov/publicworks/edocref/standarddraw</a>	2018	PWPI010119 -03

Title	Edition	Document Number
Citywide Computer Aided Design and Drafting (CADD) Standards <a href="https://www.sandiego.gov/publicworks/edocref/drawings">https://www.sandiego.gov/publicworks/edocref/drawings</a>	2018	PWPI010119 -04
California Department of Transportation (CALTRANS) Standard Specifications – <a href="http://www.dot.ca.gov/des/oe/construction-contract-standards.html">http://www.dot.ca.gov/des/oe/construction-contract-standards.html</a>	2018	PWPI030119-05
CALTRANS Standard Plans <a href="http://www.dot.ca.gov/des/oe/construction-contract-standards.html">http://www.dot.ca.gov/des/oe/construction-contract-standards.html</a>	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 3 (CA MUTCD Rev 3) <a href="http://www.dot.ca.gov/trafficops/camutcd/">http://www.dot.ca.gov/trafficops/camutcd/</a>	2014	PWPI030119-07
<p><b>NOTE:</b>           *Available online under Engineering Documents and References at: <a href="http://www.sandiego.gov/publicworks/edocref/index.shtml">http://www.sandiego.gov/publicworks/edocref/index.shtml</a></p> <p>*Electronic updates to the Standard Drawings may also be found in the link above</p>		

8. **CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
9. **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.
10. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
11. **SUBCONTRACTOR INFORMATION:**
- 11.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a

portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORITION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - Section 3-2, "SELF-PERFORMANCE", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address, license number, DIR registration number of any Subcontractor - regardless of tier** - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

**11.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

**11.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.

**12. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-6, "Trade Names" in The WHITEBOOK and as amended in the SSP.

**13. AWARD:**

**13.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.

**13.2.** 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.

**13.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.

**14. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 3-2, "SELF-PERFORMANCE" 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.

**15. 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.

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

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

**18. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**

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

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

**19. AWARD OF CONTRACT OR REJECTION OF BIDS:**

- 19.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 19.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 19.3. The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 19.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- 19.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 19.6. The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.

- 19.7. Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 19.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

**20. BID RESULTS:**

- 20.1. The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- 20.2. To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

**21. THE CONTRACT:**

- 21.1. 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.
- 21.2. 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.
- 21.3. 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.
- 21.4. 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.

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

**23. 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 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", 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.

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

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

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

**24.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.

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

**24.5.** 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.

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

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

**25. PRE-AWARD ACTIVITIES:**

- 25.1.** The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 25.2.** The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

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

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**FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:**

Southwest Pipeline and Trenchless Corp., a corporation, as principal, and Liberty Mutual Insurance Company, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Three Million Two Hundred Fifty-Eight Thousand Four Hundred Forty Dollars and Zero Cents (\$3,258,440.00) for the faithful performance of the annexed contract, and in the sum of Three Million Two Hundred Fifty-Eight Thousand Four Hundred Forty Dollars and Zero Cents (\$3,258,440.00) for the benefit of laborers and materialmen designated below.

**Conditions:**

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

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

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2. Claimants, (iii) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

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

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

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

Dated December 4, 2019

Approved as to Form

Southwest Pipeline and Trenchless Corp.

Principal

By 

Justin Duchaineau-President

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

Liberty Mutual Insurance Company

Surety

By 

Noemi Quiroz, Attorney-in-fact

Approved:

790 The City Drive South Suite 200

Local Address of Surety

By 

Mayor or Designee

Orange, CA 92868

Local Address (City, State) of Surety

(714) 634-5720

Local Telephone No. of Surety

Premium \$ 25,956.00

Bond No. 024241955



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**Civil Code § 1189**

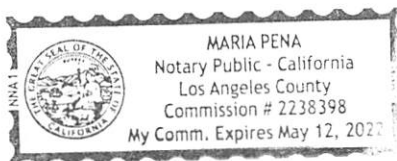
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California )  
 ) ss  
County of Los Angeles )

On 12-4-19, 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.



**Liberty Mutual.**  
**SURETY**

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

**POWER OF ATTORNEY**

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

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: The City of San Diego

Surety Bond Number: 024241955 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 12<sup>th</sup> day of December, 2018.



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 12<sup>th</sup> day of December, 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of 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 King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Teresa Pastella, Notary Public  
Upper Merion Twp., Montgomery County  
My Commission Expires March 28, 2021  
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 Liberty Mutual Insurance Company, The Ohio Casualty 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, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this 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 4th day of December, 2019.



By: Renee C. Llewellyn  
Renee C. Llewellyn, Assistant Secretary

## ATTACHMENTS

**ATTACHMENT A**  
**SCOPE OF WORK**



## SCOPE OF WORK

1. **SCOPE OF WORK:** Rehabilitation of approximately 35,320 LF (6.7 miles) of existing 8 and 10 -inch vitrified clay (VC) and concrete pipe (CP) sewer mains. In addition, all existing sewer laterals will be rehabilitated from the property line to the sewer mains. The project also includes point repair, manhole rehabilitation, manhole repair, manhole replacement, installation of cleanouts and manholes.
  - 1.1. The Work shall be performed in accordance with:
    - 1.1.1. The Notice Inviting Bids and **Appendix I, Site Maps, Sheets 1 through 33**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

Wyandotte Ave., Tonto Wy, Havasupai Ave., Luna Ave., Arroyo Lindo Ave. San Diego, CA 92117.  
See **Appendix E - Location Map**.
3. **CONTRACT TIME:** The Contract Time for completion of the Work, shall be **256 Working Days**.

**ATTACHMENT B**  
**PHASED FUNDING PROVISIONS**

## PHASED FUNDING PROVISIONS

### 1. PRE-AWARD

- 1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
  - 1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 7-3, "PAYMENT."
- 1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:
  - 1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
  - 1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

### 2. POST-AWARD

- 2.1. Do not start any construction activities for the next phase until the Notice to Proceed (NTP) has been issued by the City. The City will issue a separate NTP for each phase.
- 2.2. The City may issue the NTP for a subsequent phase before the completion of the preceding phase.

## PHASED FUNDING SCHEDULE AGREEMENT

The particulars left blank below, such as the total number of phases and the amounts assigned to each phase, will be completed with funding specific information from the Pre-Award Schedule and Construction Cost Loaded Schedule submitted to and approved by the City.

**BID NUMBER:** K-20-1868-DDB-3

**CONTRACT OR TASK TITLE:** Pipeline Rehabilitation AR-1

**CONTRACTOR:** Southwest Pipeline and Trenchless Corp

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	All activities associated with the contract and speculations to be completed in one phase.	Notice to Proceed	NOC	\$3,258,440
Contract Total				\$3,258,440


Notes:

- 1) WHITEBOOK section 7-3.10, "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 written modifications to the CONTRACT.

**CITY OF SAN DIEGO**

**CONTRACTOR**

PRINT NAME: Nabil Batta  
**Construction Manager**

Signature: 

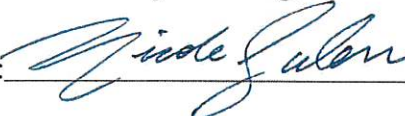
Date: 1/8/2020

PRINT NAME: Luis Salcedo

Title: Project Manager

Signature: 

PRINT NAME: Nicole Salem  
**Project Manager**

Signature: 

Date: 1/08/2020

Date: 1/15/2020

**ATTACHMENT C**

**RESERVED**

**ATTACHMENT D**  
**PREVAILING WAGE**

## PREVAILING WAGE

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
  - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
    - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
    - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
  - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 – 1861.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Prevailing Wage Unit at 858-627-3200.



- 1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- 1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
- 1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- 1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- 1.11. List of all Subcontractors.** The Contractor shall provide the list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Contract prior to any work being performed; and the Contractor shall provide a complete list of all subcontractors with each invoice. Additionally, Contractor shall provide the City with a complete list of all subcontractors (regardless of tier) utilized on this contract within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Construction Management Professional until at least thirty (30) days after this information is provided to the City.

**1.12. Exemptions for Small Projects.** There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

**1.12.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)

**1.12.2.** Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).

**1.12.3.** List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 1.11 above. (Labor code section 1773.3).

**ATTACHMENT E**  
**SUPPLEMENTARY SPECIAL PROVISIONS**

## **SUPPLEMENTARY SPECIAL PROVISIONS**

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

1. The **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
  - a) General Provisions (A) for all Construction Contracts.

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

**1-2 TERMS AND DEFINITIONS.** To the "WHITEBOOK", items 43, 56, 69, and 102, DELETE in its entirety and SUBSTITUTE with the following:

43. **Field Order** - A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, "EXTRA WORK" or 2-9, "CHANGED CONDITIONS". A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract.
56. **Notice of Completion (NOC)** - A document recorded with the County of San Diego to signify that the Contract Work has been completed and accepted by the City.
69. **Punchlist** - A list of items of Work or corrections generated after a Walk-through that is conducted when you consider that the Work and Services are complete, and as verified by the Owner. The Punchlist may be completed in phases if defined in the Contract.
102. **Walk-through** - The procedure the City uses to evaluate the status of the Project or the phase of the Project and to generate a Punchlist prior to Acceptance.

To the "WHITEBOOK", item 54, "Normal Working Hours", ADD the following:

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

To the "WHITEBOOK", ADD the following:

108. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.
109. **Acceptance of Work** – When all of the Contract work is deemed officially complete, including all Punchlist items, by the Owner.
110. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.

**SECTION 3 – CONTROL OF THE WORK**

**3-2 SELF-PERFORMANCE.** To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least 50% of the base Bid **AND** 50% of any alternates.

**3-8.4 Supporting Information.** To the “WHITEBOOK”, ADD the following:

4. You shall collect and submit rehabilitation data spreadsheets along with monthly invoices for the following rehabilitation Work (see **Appendix J – Sewer Manholes, Mains and Laterals Rehabilitation Sample Data Templates**).
  - a) Laterals
  - b) Sewer Mains
  - c) Manholes

**3-13.1 Completion.** To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit a written assertion that the Work has been completed and is ready for Owner Acceptance. If, in the Engineer's judgment, the Work has been completed in accordance with the Contract Documents, the Engineer will set forth in writing the date the Work was completed. This will be the date that you are relieved from responsibility to protect and maintain the Work and to which liquidated damages will be computed.
2. Substantial Completion, in accordance with 3-13.1.1, “Requirements Before Requesting Substantial Completion”, shall be completed in phases for this project as defined below:

Phase	Work Description	Limits of Work
1		
2		
3		

**3-13.1.1 Requirements Before Requesting a Walk-through.** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

**3-13.1.1 Requirements Before Requesting Substantial Completion.**

1. The following items are required prior to requesting a Substantial Completion:
  - a) Remove temporary facilities from the Site.
  - b) Thoroughly cleaning the Site and removing all mark outs and construction staking.

- c) Provide completed and signed Red-lines in accordance with 3-7.3 "Redlines and Record Documents".
- d) Provide all material and equipment maintenance and operation instructions and/or manuals.
- e) Provide all tools which are permanent parts of the equipment installed in the Project.
- f) Provide and properly identify all keys for construction and all keys for permanent Work.
- g) Provide all final Special Inspection reports required by the applicable building Code.
- h) Provide all items specified to be supplied as extra stock. Wrap, seal, or place in a container all items as necessary to allow for storage by the City for future use. Verify the specified quantities.
- i) Ensure that all specified EOCP and certified wage rate documentations covering the Contract Time have been submitted.
- j) Provide the spare parts for the proposed irrigation system as specified in the Special Provisions.
- k) If the Work includes sewer and storm drain installations, the inspection shall include televising in accordance with 306-18, "VIDEO INSPECTION".
- l) If the Work includes a Plant Establishment Period, Work in accordance with 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT" shall be completed prior to requesting Substantial Completion, unless approved otherwise by the Owner.
- m) Notify the Engineer to arrange a final inspection of permanent BMPs installed.

**3-13.1.2 Walk-through and Punchlist Procedure.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall notify the Engineer 15 Working Days in advance of date of anticipated Substantial Completion to allow time for Engineer to schedule a Walk-through. After you complete the requirements in 3-13.1.1, "Requirements Before Requesting Substantial Completion" and when you consider that the Work is Substantially Complete, you will notify the Engineer in writing that the Project is Substantially Complete. The Engineer will review your request and determine if the Project is ready for a Walk-through, by verifying whether you have completed all items as required by 3-13.1.1, "Requirements Before Requesting Substantial Completion". Within 7 Working Days, the City will either reject your request of a Walk-through in writing or schedule a Walk-through inspection. The Engineer shall facilitate the Walk-through.
2. The following documents shall be provided at the time of your Walk-through request: As-Built markup, Plans, specifications, technical data such as submittals and equipment manuals, draft final payment, warranties, material

certifications, bonds, guarantees, maintenance service agreements, and maintenance and operating manuals.

3. Written warranties, except manufacturer's standard printed warranties, shall be on a letterhead addressed to you. Warranties shall be submitted in the format described in this section, modified as approved by the City, to suit the conditions pertaining to the warranty. Lack of submitting these items will delay start of Walk-through.
4. The Engineer will provide you with the Punchlist within 15 Working Days after the date of the Walk-through. The City shall not provide a preliminary Punchlist.
5. If the Engineer finds that the Project is not Substantially Complete as defined herein, the Engineer will terminate the Walk-through and notify you in writing.
6. If, at any time during the Engineer's evaluation of the corrective Work required by the Punchlist, the Engineer discovers that additional corrective Work is required, the Engineer may include that corrective Work in the Punchlist.
7. You shall remain solely responsible for the Project Site until the Project is completely operational, all Punchlist items have been corrected, and all operation and maintenance manuals have been accepted by the City.
8. The Engineer shall meet with you until all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days, and Working Days will continue to be counted until Acceptance of the Project.

**3-13.2 Acceptance.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall provide the completed, signed, and stamped DS-563 to the Engineer prior to Acceptance.
2. You shall deliver the final As-builts and final billing prior to Acceptance.
3. You shall assemble and deliver to the Engineer a Final Summary Report and Affidavit of Disposal prior to Acceptance.
4. Acceptance shall occur after all of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.
5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

**3-13.3 Warranty.** To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date the Work was accepted by the City unless the City had beneficial use of the project (excluding water, sewer, and storm drain projects). In addition, you shall warranty the Work against all latent defects for a period of 10 years and patent defects for a period of 4 years.

**4-3.6 Preapproved Materials.** To the “WHITEBOOK”, ADD the following:

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

**4-6 TRADE NAMES.** To the “WHITEBOOK”, ADD the following:

11. You shall submit your list of proposed substitutions for an “equal” item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City’s Product Submittal Form available at:

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

## **SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES**

**5-4 INSURANCE.** To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

**5-4 INSURANCE.**

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

**5-4.1 Policies and Procedures.**

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.



5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

**5-4.2 Types of Insurance.**

**5-4.2.1 Commercial General Liability Insurance.**

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

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

**5-4.2.2 Commercial Automobile Liability Insurance.**

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

**5-4.2.3 Contractors Pollution Liability Insurance.**

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any

Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.

2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor's insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability.
5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

**5-4.3 Rating Requirements.** Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

**5-4.3.1 Non-Admitted Carriers.** The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

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

**5-4.4 Evidence of Insurance.** Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

**5-4.5 Policy Endorsements.**

**5-4.5.1 Commercial General Liability Insurance.**

#### **5-4.5.1.1 Additional Insured.**

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
  - a) Ongoing operations performed by you or on your behalf,
  - b) your products,
  - c) your Work, e.g., your completed operations performed by you or on your behalf, or
  - d) premises owned, leased, controlled, or used by you.
4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
  - a) Ongoing operations performed by you or on your behalf,
  - b) your products, or
  - c) premises owned, leased, controlled, or used by you.

**5-4.5.1.2 Primary and Non-Contributory Coverage.** The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

**5-4.5.1.3 Project General Aggregate Limit.** The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

#### **5-4.5.2 Commercial Automobile Liability Insurance.**

**5-4.5.2.1 Additional Insured.** Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This

endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

### **5-4.5.3 Contractors Pollution Liability Insurance Endorsements.**

#### **5-4.5.3.1 Additional Insured.**

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

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

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

**5-4.5.3.2 Primary and Non-Contributory Coverage.** The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

**5-4.5.3.3 Severability of Interest.** For Contractors Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

**5-4.6 Deductibles and Self-Insured Retentions.** You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

**5-4.7 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.

**5-4.8 Notice of Changes to Insurance.** You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

**5-4.9 Excess Insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

**5-4.11 Workers' Compensation Insurance and Employers Liability Insurance.**

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

2. Limits for this insurance shall be not less than the following:

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

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

**5-4.11.1 Waiver of Subrogation.** The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

**5-10.2.1 Public Notice by Contractor.** To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:

a) Where Work is to be performed at least Working 5 Working Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.

- b) Within 5 Working Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
- c) 72 hours in advance of the scheduled resurfacing.

**5-15.1 General.** To the "WHITEBOOK", item 10, DELETE in its entirety and SUBSTITUTE with the following:

- 10. You shall ensure that construction staff have the required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification for construction activities that have encountered flammable liquids or other hazardous substances. Construction staff shall include: City Engineers, City Laboratory Technicians, and City staff that perform onsite inspections.
  - a) If your Work encounters flammable liquids or other hazardous substances, you shall be responsible for scheduling training for all construction staff to attend and for submitting verification to the Engineer that construction staff have the required HAZWOPER certification prior to continuing that Work in that area. You shall maintain the HAZWOPER certifications annually until the construction activities triggering the requirement is complete, as approved by the Resident Engineer.

**5-15.17 Payment.** To the "WHITEBOOK", ADD the following:

- 5. When required within the Contract Documents, the payment for Hazardous Waste Operations and Emergency Response (HAZWOPER) certification and training for construction staff shall be included in the Contract Price.

## **SECTION 6 - PROSECUTION AND PROGRESS OF THE WORK**

**6-1.1 Construction Schedule.** To the "WHITEBOOK", item 1, subsection "s", DELETE in its entirety and SUBSTITUTE with the following:

- s) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
  - i. Refer to the Sample City Invoice materials in **Appendix D - Sample City Invoice with Cash Flow Forecast** and use the format shown.

**6-1.5.2 Excusable Non-Compensable Delays.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

**6-1.5.2 Excusable Non-Compensable and Concurrent Delays.**

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-4.2, "Extensions of Time" for the following circumstances:
  - a) Delays resulting from Force Majeure.
  - b) Delays caused by weather.
  - c) Delays caused by changes to County, State, or Federal law.
2. When a non-excusable delay is concurrent with an Excusable Delay, you shall not be entitled to an extension of Contract Time for the period the non-excusable delay is concurrent with the Excusable Delay.
3. When an Excusable Non-Compensable Delay is concurrent with an Excusable Compensable Delay, you shall be entitled to an extension of Contract Time, but shall not be entitled to compensation for the period the Excusable Non-Compensable Delay is concurrent with the Excusable Compensable Delay.
  - ii. See also the "Cashflow Forecast Example" at the location below:  
<https://www.sandiego.gov/publicworks/edocref>

**6-2.1 Moratoriums.** To the "WHITEBOOK", ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:
  - a) Holiday Moratorium near shopping areas from November 1<sup>st</sup> to December 31<sup>st</sup> (inclusive).

**6-3 TIME OF COMPLETION.** To the "WHITEBOOK", ADD the following:

1. You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within **256 Working Days** from the date of NTP. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

**6-4.2 Extensions of Time.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
  - a) If you believe this event requires a Change Order, you shall submit a written Change Order request with a report to the City that explains

the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.

3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.5, "Excusable Delays" unless you demonstrate, through an analysis of the critical path, the following:
  - a) The event causing the delay impacted the activities along the Project's critical path.
  - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence and that all project float has been used.
4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within **30 Calendar Days** after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.
  - a) Your protest will be considered a claim for time extension and shall be subject to 2-10.1, "Claims".

**ADD:**

**6-6.1.1 Environmental Document.**

1. The City of San Diego has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AR-1**, Project No. **B-17150**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.
2. Compliance with the City's environmental document shall be included in the Contract Price, unless separate bid items have been provided.

**6-6.4 Written Notice and Report.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance with 6-4.2, "Extensions of Time", will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.



**SECTION 7 – MEASUREMENT AND PAYMENT**

**7-3.9**

**Field Orders.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. If the cumulative total of Field Order items of Work does not exceed the "Field Orders" Bid Item, the City shall pay those Field Orders as shown below:

**TABLE 7-3.9**

**FIELD ORDER LIMITS**

<b>Contract Price</b>	<b>Maximum Field Order Work Amount</b>
Less than \$100,001	\$2,500
\$100,001 to \$1,000,000	\$5,000
\$1,000,001 to \$5,000,000	\$10,000
\$5,000,001 to \$15,000,000	\$20,000
\$15,000,001 to \$30,000,000	\$40,000
Greater than \$30,000,000	\$50,000

2. Field Order items of Work for contracts greater than \$15,000,000 will require additional approvals from the City prior to its approval by the Resident Engineer.
3. The City will issue a Field Order only after the City's acceptance of the cost of the field order amount.
4. Field Orders shall not be used to add scope or to include extensions of time related to changes in work.
5. If in the event there is a change related to the critical path on the project which necessitates an extension of time and the change amount is within the Field Order limits shown on Table 7-3.9, then a Field Order can be issued to compensate you for the approved costs. Any extensions of time associated with the change shall be included in a subsequent Change Order and no additional compensation shall be granted as part of the change order for the extension of time.
6. The unused portions of Field Orders Bid item shall revert to the City upon Acceptance.

**7-3.11**

**Compensation Adjustments for Price Index Fluctuations.** To the "WHITEBOOK" ADD the following:

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

## SECTION 203 – BITUMINOUS MATERIALS

**203-6.3.1 General.** To the “WHITEBOOK”, ADD the following:

3. Asphalt concrete for Job Mix Formula (JMF) and Mix Designs shall be Type III and shall not exceed 15% RAP.

## SECTION 301 – SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

**301-1.6 Preparatory Repair Work.** To the “WHITEBOOK”, ADD the following:

13. Asphalt concrete shall be Type III and shall not exceed 15% RAP in accordance with 203-6.3.1, “General”.

## SECTION 302 – ROADWAY SURFACING

**302-4.5 Scheduling, Public Convenience and Traffic Control.** To the “GREENBOOK”, paragraphs (1) and (2), DELETE in its entirety and SUBSTITUTE with the following:

1. In addition to the requirements of Part 6, you shall comply with the following:
  - a) At least 5 Working Days prior to commencing the Work, you shall submit your proposed Schedule to the Engineer for approval.
  - b) Based upon the approved schedule, you shall notify residents and businesses of the Work and post temporary “No Parking” signs 72 hours in advance.
  - c) Requests for changes in the approved Schedule shall be submitted to the Engineer for approval at least 3 Working Days before the street is scheduled to be sealed.

**302-4.12.1 Application.** To the “WHITEBOOK”, item 1, ADD the following:

- c) RPMS shall only be placed when ambient temperature is 50° F or higher.

## SECTION 306 - OPEN TRENCH CONDUIT CONSTRUCTION

**306-16.6 Payment.** To the “WHITEBOOK”, ADD the following:

6. The payment for “Manholes replacement” shall include trench shoring. Work for trench shoring shall include furnishing, installing, maintaining, and removing all sheeting, shoring, or bracing for any conditions encountered that require shoring, excluding engineered trench shoring. No Additional payment shall be made.

**306-18.5 Video Inspection Submittals.** To the "WHITEBOOK", item 1, subsection "h", DELETE in its entirety and SUBSTITUTE with the following:

- h) Post-rehabilitation Videos** - Post-rehabilitation videos shall be submitted within 30 Calendar Days of the completion of the Work in phases not to exceed 2 mile increments. The final video recording shall clearly show the condition of the liner with ends sealed at the manholes, service laterals, and connection seals. The submittal of this final video recording shall also include MS Access database and marked up Field Book pages or Plans as attachments.

**306-18.7 Payment.** To the "WHITEBOOK", ADD following:

- 5. The payment for post-rehabilitation videos shall be included in the associated Bid items provided, regardless of the number of phased videos required at 2 mile increments.

### **SECTION 500 – PIPELINE REHABILITATION**

**500-1 GENERAL.** To the "WHITEBOOK", ADD the following:

- 4. Any Cured-in-Place Pipe (CIPP) lining Work within a 1000 foot radius from school areas shall first be coordinated with the school and shall be performed outside of school hours at no expense to the City.

**500-2.1 Initial Submittals.** To the "WHITEBOOK", ADD the following:

- 2. **At Bid Due date, all bidders** shall submit the following:

At time of bid, all bidders shall submit the following:

- a) Contractor's Experience; past project documentation
- b) Authorize Installer Certificates

**500-4.7 Payment.** To the "WHITEBOOK", ADD the following:

- 3. The payment for "Point Repair for Existing Sewer Main (8 and 10 Inch)" and "Additional Point Repair for Existing Sewer Main (8 and 10 Inch)" shall include trench shoring. Work for trench shoring shall include furnishing, installing, maintaining, and removing all sheeting, shoring, or bracing for any conditions encountered that require shoring, excluding engineered trench shoring. No Additional payment shall be made.

**SECTION 601- TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION  
AND MAINTENANCE WORK ZONES**

**601-2.1.4**     **Traffic Control for Resurfacing and Slurry Sealing.** To the "WHITEBOOK", item 3, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d)     Place "NO PARKING - TOW-AWAY ZONE" signs 72 hours in advance of the scheduled slurry sealing. Reschedule street block segments which are not completed by the last posted Working Day. If a Work delay of 48 hours or more occurs from the originally scheduled Work date, remove the "NO PARKING - TOW-AWAY ZONE" signs for a minimum of 24 hours, then reset and re-post for the appropriate Work date.

**601-3.5.1**     **General.** To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3.     Temporary "No Parking" and "No Stopping" signs shall be installed 72 hours before enforcement. Temporary "No Parking" and "No Stopping" signs shall be installed and removed as specified in the Special Provisions. Signs shall indicate specific days, dates, and times of restrictions. If violations occur, call Police Dispatch 619-531-2000 to enforce the Tow-Away notice.

**SECTION 1001 – CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)**

**1001-1**     **GENERAL.** To the "WHITEBOOK", ADD the following:

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

## **SUPPLEMENTARY SPECIAL PROVISIONS**

### **APPENDICES**

**APPENDIX A**  
**NOTICE OF EXEMPTION**

## NOTICE OF EXEMPTION

(Check one or both)

TO:  Recorder/County Clerk  
P.O. Box 1750, MS A-33  
1600 Pacific Hwy, Room 260  
San Diego, CA 92101-2400

FROM: City of San Diego  
Public Works Department  
525 B Street, Suite 750, MS 908A  
San Diego, CA 92101

Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

**Project Name:** Pipeline Rehabilitation AR-1

**Project No. / WBS No.:** B-17150.02.06

**Project Location-Specific:** Wyandotte Ave, Monongahela St, Tonto Way, Havasupai Ave, Gallatin Way, Della Pl, Edell Pl, Barby Pl, Arroyo Lindo Ave, Hidalgo Ave, Osceola Ave, Sunline Ave, Dow Pl, Massasoit Ave, Luna Ave, Naugatuck Ave, Fargo Ave, El Penon Way, Powhatan Ave, Leathers St, Lisann St, Ariane Dr, Ariane Way, Aber St, Jutland Dr, Jutland Ct, Jutland Pl, Arcola Ave, Fawn Ave, Isleta Ave, Jemez Dr, Haidas Ave, Guillitoy Ave, Guillitoy Ct, Karok Ave, Jicarillo Ave, La Junta Ave, Keokuk Ct, Kamloop Ave, Hopi Pl, La Crosse Ave, Moraga Ave, Morena Blvd, within the Clairemont Mesa Community Planning Area & Council District 2.

**Project Location-City/County:** San Diego/San Diego

**Description of nature and purpose of the Project:** The proposed scope of work consists of trenchless rehabilitation of approximately 35,319 LF (6.69 miles) of existing 8-inch and 10-inch VC sewer mains (172 FSN's). The scope also includes rehabilitation of all 933 existing sewer laterals from sewer main to property line, and installation of cleanouts as needed to complete the lateral lining work. In addition, 9 point repairs, rehabilitation of 30 manholes, repair of 5 manholes, replacement of 7 manholes, installation of 36 new cleanouts, and 2 new manholes are required.

**Name of Public Agency Approving Project:** City of San Diego

**Name of Person or Agency Carrying Out Project:** Natalie de Freitas, 525 B Street, Suite 750, San Diego, CA, 92101, (619) 533-4603

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: 15301 – (Existing Facilities), 15302 – (Replacement), 15303 – (New Construction)
- Statutory Exemptions:

**Reasons why project is exempt:** The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301 – (Existing Facilities), which allows for the repair of existing public structures, involving negligible or no expansion of use beyond that existing at the time of the leads agency's determination; 15302 – (Replacement), which allows for the replacement of existing structures 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; 15303 – (New Construction), which allows for the construction and location of limited numbers of new, small structures; and where the exceptions listed in Section 15300.2 would not apply.


Lead Agency Contact Person: Natalie de Freitas

Telephone: (619) 533-4603

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




---

Carrie Purcell, Assistant Deputy Director

12/6/18

---

Date

Check One:

Signed By Lead Agency

Signed by Applicant

Date Received for Filing with County Clerk or OPR:



**APPENDIX B**  
**FIRE HYDRANT METER PROGRAM**

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

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.)

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
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	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

- 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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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.

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
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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).

**Water Department Director**

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

#### APPENDIX

**Administering Division:** Customer Support Division

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

**Distribution:** DI Manual Holders



# Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

## Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:		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:	
<small>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</small>			

<b>Fire Hydrant Meter Removal Request</b>	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: <b>\$ 936.00</b>	Fees Amount: <b>\$ 62.00</b>
Meter Serial #	Meter Size: <b>05</b>	Meter Make and Style: <b>6-7</b>
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 WITH CASH FLOW FORECAST**



WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

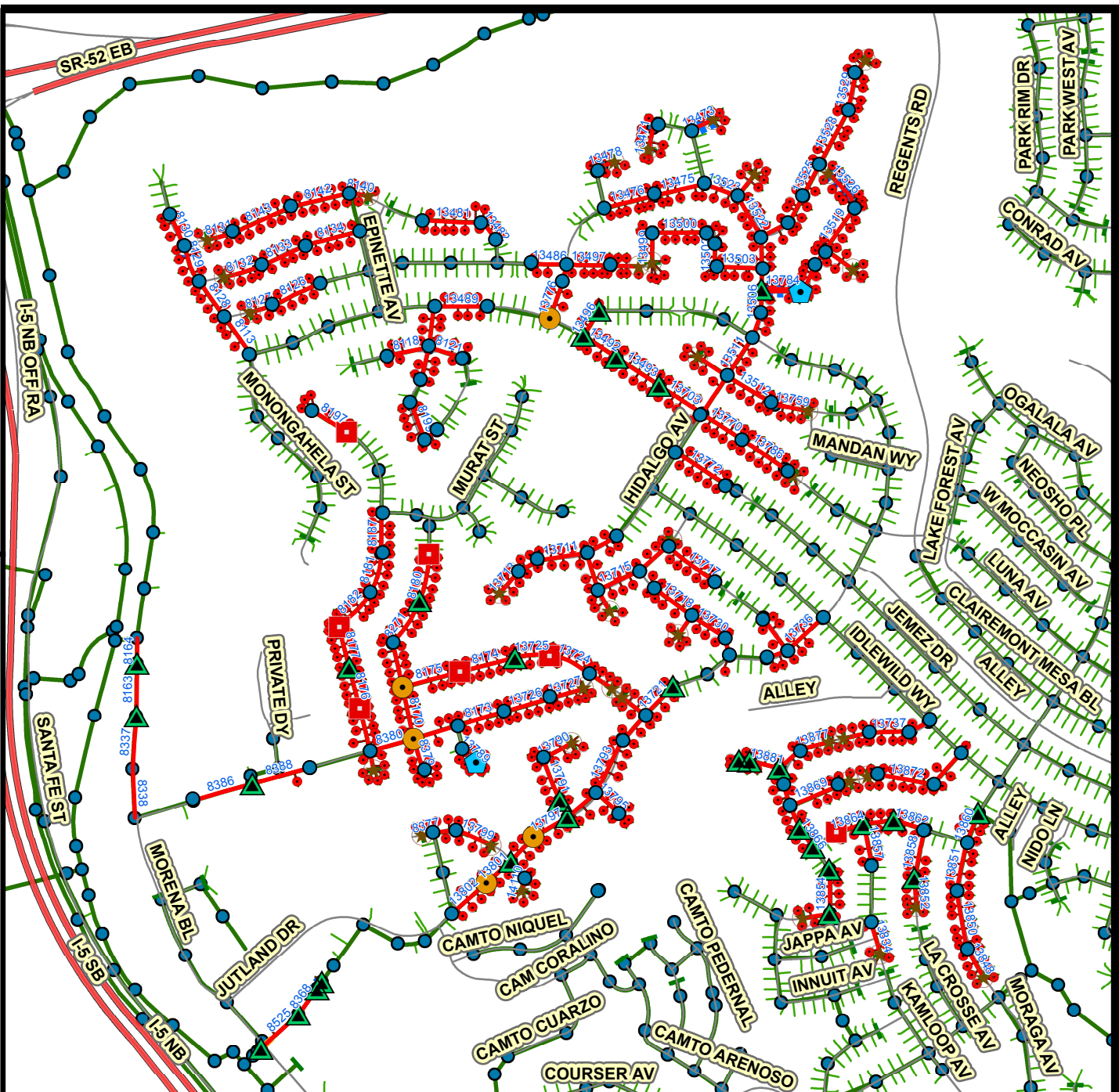
Construction Cash Flow Forecast  
 "Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

**APPENDIX E**  
**LOCATION MAP**

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



The City of **SAN DIEGO** Public Works

SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

**LEGEND:**

	REHAB MANHOLE		SEWER NODE
	REPAIR MANHOLE		REHAB SEWER MAIN
	REPLACE MANHOLE		REHAB LATERAL
	INSTALL NEW MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		POINT REPAIR
	PLUG		

WBS:B-17150  
DATE: AUGUST 7, 2019

NO SCALE

**LOCATION MAP**

**EXHIBIT**

## APPENDIX F

### SEWER MAINS PIPELINE REHABILITATION AR-1 SPREADSHEETS

Map#	FAC_SEQ_NU	US_FAC	DS_FAC	INST_DT	LGTH_QTY	SIZE_ NUM	MATL_ CD	DNSTR EAMIE	SLOPE	MAX_d _D	MAX _q_Q	UPSTRM _INV	STRT_NM	DWG_NUM	DWG_ SHT	DWG_ TYP_	DWFACM APID	UPFLDBKPAG UPFACMAPID	LATERALS	COMMENTS
11-12	13504	81312	81311	2/27/1958	177.0	8	VC	332.9	0.40%	30.9	18.9	333.6	HIDALGO	13199	0	L	D11S 47	D11S 48	5	
12	13518	81317	81314	10/15/1958	195.0	8	VC	334.4	1.20%	14.3	0.4	336.8	DOW	13204	0	L	D11S 50	D11S 54	6	
15	13772	81573	81504	4/2/1954	345.0	8	VC	336.7	3.76%	69.7	1.5	338.1	JEMEZ	10477	0	L	D11S 272	D11S 358	10	
26	13792	81596	81597	1/1/1961	95.0	8	VC	282.8	12.4%	22.6	0.6	294.6	JUTLAND	10419	6	D	D12S 5	D12S 4	2	
25	13794	81587	81593	1/1/1961	184.0	8	VC	285.1	0.40%	18.9	7.2	285.8	JUTLAND	10419	2	D	D12S 1	D11S 417	4	
4	8128	76091	76090	1/1/1956	249.0	8	VC	338.5	0.40%	14.7	4.7	339.5	MONONGAHELA	3532	0	D	C11S 27	C11S 28	5	
1-4	8132	76092	76093	1/1/1956	200.0	8	VC	351.1	1%	13.5	1.0	353.1	TONTO	3533	0	D	C11S 30	C11S 29	9	
1-2	8143	76102	76104	1/1/1956	350.0	8	VC	354.2	0.50%	14.7	2.6	355.9	WYANDOTTE	3534	0	D	C11S 43	C11S 40	12	
23	8170	76139	76344	1/1/1970	297.0	8	VC	217.1	3.03%	15.2	4.3	226.1	LISANN	14195	4	D	C12S 104	C11S 78	9	
23	8175	76141	76139	1/1/1970	350.0	8	VC	226.1	5.94%	15.1	1.3	246.9	ABER	14195	3	D	C11S 78	C11S 80	8	
16	8181	76153	76147	1/1/1970	253.0	8	VC	242.9	6%	15.1	3.7	258.1	LEATHERS	14485	3	D	C11S 86	C11S 92	8	
23	8272	76142	76139	1/1/1970	258.0	8	VC	226.1	4.25%	15.1	1.7	237.0	LISANN	14485	9	D	C11S 78	C11S 81	9	
27	8377	76341	76340	1/1/1961	65.0	8	VC	257.2	0.40%	12.0	0.4	257.5	ARCOLA	10419	5	D	C12S 100	C12S 101	2	
13	13492	81287	81289		245.0	8	VC	328.5	0.40%	45.5	37.6	329.5	LUNA		0		D11S 25	D11S 23	7	
17-18	13710	81511	81510	4/2/1954	197.0	8	VC	326.0	0.40%	23.8	12.5	326.8	HIDALGO	10466	0	L	D11S 279	D11S 280	4	
18	13719	81525	81526	4/2/1954	145.0	8	VC	330.0	0.43%	12.4	0.6	330.7	GUILITTOY	10462	0	L	D11S 296	D11S 295	4	
24	13727	81520	81519	1/1/1970	200.0	8	VC	280.8	1.37%	11.1	0.6	283.6	ARIANE	14195	5	D	D11S 288	D11S 289	8	
26-27	13798	81602	81603	1/1/1961	182.0	8	VC	265.1	9.19%	20.1	2.9	281.9	JUTLAND	10419	3	D	D12S 11	D12S 10	4	
32-out	13834	81638	81655	1/23/1956	180.0	8	VC	319.9	0.40%	6.6	0.9	320.6	KAMLOOP	11584	0	L	D12S 66	D12S 48	6	
29	13866	81678	81664	4/2/1954	122.0	8	VC	308.7	8.39%	8.5	1.4	318.9	JICARILLO	10470	0	L	D12S 75	D12S 96	3	
29	13877	81684	81683	4/2/1954	170.0	8	VC	323.7	1.20%	6.3	0.8	325.7	KAROK	10485	0	L	D12S 101	D12S 102	8	
20-21	8337	76301	76136	1/1/1970	300.0	10	VC	79.3	0.50%	34.2	26.3	80.8		14195	10	D	C11S 75	C12S 54	0	
11-12	13505	81311	81310	9/27/1957	125.0	8	VC	332.4	0.40%	34.6	21.9	332.9	HIDALGO	13137	0	L	D11S 46	D11S 47	1	
43783	13507	81309	81304	4/2/1954	143.0	8	VC	331.3	0.39%	36.4	26.2	331.8	HIDALGO	10469	0	L	D11S 40	D11S 45	2	
12	13517	81314	81315	10/15/1958	103.0	8	VC	336.0	0.40%	16.5	3.5	334.4	SUNLINE	13204	0	L	D11S 51	D11S 50	3	
17	13713	81515	81514	4/2/1954	161.0	8	VC	328.5	0.40%	14.3	2.5	329.1	HIDALGO	10465	0	L	D11S 283	D11S 284	8	
17	13716	81591	81512	4/2/1954	138.0	8	VC	328.8	0.40%	16.5	2.4	329.3	FAWN	10461	0	L	D11S 281	D11S 422	5	
18	13730	81526	81534	4/2/1954	232.0	8	VC	326.7	1.45%	12.4	1.6	330.0	GUILITTOY	10462	0	L	D11S 304	D11S 296	8	
14-15	13770	81565	81566	4/2/1954	276.0	8	VC	339.2	5.93%	65.3	1.5	342.6	LUNA	10490	0	L	D11S 351	D11S 350	8	
20	8164	76135	76125	1/1/1970	132.0	10	VC	59.9	5.33%	21.4	8.0	67.0		14195	10	D	C11S 64	C11S 74	0	
23	8169	76137	76345	1/1/1970	245.0	8	VC	196.1	3.50%	19.4	6.2	204.7	LEATHERS	14195	7	D	C12S 105	C11S 76	9	
16	8187	76158	76153	1/1/1970	233.0	8	VC	258.1	6.01%	14.7	3.4	272.1	LEATHERS	14485	4	D	C11S 92	C11S 97	8	
6	8197	76163	76164	1/1/1970	240.0	8	VC	303.8	1.40%	11.3	0.8	307.2	LEATHERS	14485	5	D	C11S 103	C11S 102	5	
7	8199	76166	76165	9/20/1955	219.0	8	VC	335.5	0.98%	15.4	2.6	337.7	FARGO	10884	0	L	C11S 104	C11S 105	7	
8	13487	81278	81283		101.0	8	VC	331.2	8.54%	21.2	2.3	339.9	GALLATIN		0		D11S 16	D11S 11	0	
5	13489	76086	81284		317.0	8	VC	331.8	0.40%	38.6	29.9	333.0	LUNA		0		D11S 17	C11S 23	7	
12	13524	81584	81583	2/27/1958	158.0	8	VC	334.7	0.44%	22.9	1.0	335.4	BARBY	13199	0	L	D11S 389	D11S 391	6	
12	13525	81323	81324	10/15/1958	202.0	8	VC	335.1	0.40%	17.6	6.0	335.9	ARROYO LINDO	13204	0	L	D11S 63	D11S 62	5	
10	13529	81326	81325	10/15/1958	213.0	8	VC	337.3	0.41%	16.2	2.9	338.2	ARROYO LINDO	13204	0	L	D11S 68	D11S 69	7	
12	13785	81315	81316	10/15/1958	155.0	8	VC	333.4	0.41%	16.7	5.7	336.0	SUNLINE	13204	0	L	D11S 52	D11S 51	5	
26	13796	81594	81597	1/1/1961	213.0	8	VC	282.8	0.40%	22.6	9.6	283.7	JUTLAND	10419	3	D	D12S 5	D12S 2	3	
27	13801	81603	81605	1/1/1961	194.0	8	VC	263.2	1%	20.8	9.5	265.1	JUTLAND	10419	3	D	D12S 14	D12S 11	4	

Map#	FAC_SEQ_NU	US_FAC	DS_FAC	INST_DT	LGTH_QTY	SIZE_ NUM	MATL_ CD	DNSTR EAMIE	SLOPE	MAX_d _D	MAX _q_Q	UPSTRM _INV	STRT_NM	DWG_NUM	DWG_ SHT	DWG_ TYP_	DWFACM APID	UPFLDBKPAG UPFACMAPID	LATERALS	COMMENTS
30-31	13857	81660	81666	1/23/1956	241.0	8	VC	307.4	0.40%	12.3	3.2	308.3	KAMLOOP	11584	0	L	D12S 77	D12S 71	4	
29	13868	81679	81677	4/2/1954	133.0	8	VC	320.3	0.89%	11.1	2.8	321.5		10470	0	L	D12S 95	D12S 97	3	
43690	13496	81288	81287		172.0	8	VC	329.5	7.26%	44.9	0.6	342.0	NAUGATUCK		0		D11S 23	D11S 24	3	
17	13711	81513	81511	4/2/1954	284.0	8	VC	326.8	0.40%	21.9	4.9	328.0	HIDALGO	10466	0	L	D11S 280	D11S 282	8	
18-25	13729	81534	81533	4/2/1954	107.0	8	VC	325.1	1.46%	11.3	1.6	326.7	GUILITTOY	10462	0	L	D11S 303	D11S 304	1	
19	13733	81530	81531	4/2/1954	236.0	8	VC	0.0	1.30%	12.6	1.3	333.2	HIDAS	10464	0	L	D11S 301	D11S 300	4	
31	13854	81662	81661	1/23/1956	237.0	8	VC	309.3	1.80%	6.7	1.0	313.6	JICARILLO	11589	0	L	D12S 72	D12S 73	7	
1	8130	76076	76236	1/1/1956	200.0	8	VC	340.4	0.40%	14.5	2.5	341.2	MONONGAHELA	3532	0	D	C11S 229	C11S 13	5	
16	8271	76143	76142	1/1/1970	285.0	8	VC	237.0	5.60%	12.5	1.2	253.0	LISANN	14485	9	D	C11S 81	C11S 82	9	
9	13478	81275	81276	2/5/1959	80.0	8	VC	338.9	0.40%	11.8	0.9	339.2	DELLA	13860	0	L	D11S 9	D11S 8	5	
12	13522	81583	81312	2/27/1958	266.0	8	VC	333.6	0.40%	27.9	13.8	334.7	HIDALGO	13199	0	L	D11S 48	D11S 389	8	
25	13722	81523	81587	1/1/1961	168.0	8	VC	285.8	0.40%	17.9	0.6	286.5	ABER	10419	6	D	D11S 417	D11S 292	6	
8	13776	81283	81285		220.0	8	VC	330.4	0.40%	43.5	11.4	331.2	GALLATIN		0		D11S 18	D11S 16	4	
12	13783	81592	81310		220.0	8	VC	332.4	3.10%	34.6	0.2	339.2	OSCEOLA		0		D11S 46	D11S 423	4	
30-32	13858	81659	81668	1/23/1956	302.0	8	VC	0.0	4.58%	5.7	0.6	319.8	LA CROSSE	11589	0	L	D12S 79	D12S 70	5	
29	13878	81682	81679	4/2/1954	88.0	8	VC	321.5	0.91%	10.4	2.4	322.3		10479	0	L	D12S 97	D12S 100	2	
21	8338	76302	76301	1/1/1970	280.0	10	VC	80.8	0.50%	35.9	26.3	82.2	MORENA	14195	10	D	C12S 54	C12S 55	0	
8	13497	81295	81278	9/27/1957	250.0	8	VC	0.0	3.08%	13.2	0.8	347.6	HAVASUPAI	13137	0	L	D11S 11	D11S 31	9	
14	13759	81571	81572	4/2/1954	190.0	8	VC	348.0	0.70%	11.1	0.9	349.3	MASSASOIT	10494	0	L	D11S 357	D11S 356	7	
14	13771	81303	81566	4/2/1954	260.0	8	VC	0.0	1.50%	65.7	15.8	330.1	HIDALGO	10468	0	L	D11S 351	D11S 39	1	
25-26	13793	81593	81594	1/1/1961	350.0	8	VC	283.7	0.40%	19.9	8.2	285.1	JUTLAND	10419	2	D	D12S 2	D12S 1	8	
30	13872	81673	81672	4/2/1954	315.0	8	VC	321.1	0.50%	11.9	2.0	322.7	LA JUNTA	10489	0	L	D12S 90	D12S 91	11	
1	8129	76236	76091	1/1/1956	234.0	8	VC	339.5	0.40%	15.4	3.8	340.4	MONONGAHELA	3532	0	D	C11S 28	C11S 229	6	
2	8134	76101	76100	1/1/1956	318.0	8	VC	348.0	0.42%	15.4	4.4	349.7	TONTO	3533	0	D	C11S 38	C11S 39	9	
23-24	8171	76140	76344	1/1/1970	244.0	8	VC	217.1	7.27%	15.2	1.5	234.8	ARIANE	14195	6	D	C12S 104	C11S 79	4	
16	8180	76154	76143	1/1/1970	286.0	8	VC	253.0	6%	11.8	0.7	270.2	LISANN	14485	9	D	C11S 82	C11S 93	9	
28	8369	76332	76331	1/1/1961	49.0	8	UNK	91.1	58.0%	27.2	2.9	119.5		10419	7	D	C12S 91	C12S 92	1	
28	8525	76327	5435186	1/1/1961	213.0	8	VC	0.0	9.94%	33.5	24.3	86.1		10419	7	D	C12S 416	C12S 85	1	
12	13519	81320	81314	10/15/1958	288.0	8	VC	334.4	0.41%	14.3	2.3	335.6	SUNLINE	13204	0	L	D11S 50	D11S 58	7	
12	13520	81324	81313	10/15/1958	200.0	8	VC	334.3	0.40%	17.7	6.8	335.1	ARROYO LINDO	13204	0	L	D11S 49	D11S 63	5	
9-12	13523	81585	81583	2/27/1958	210.0	8	VC	334.7	0.40%	23.6	12.2	335.5	HIDALGO	13199	0	L	D11S 389	D11S 393	4	
10	13530	81327	81326	2/5/1959	90.0	8	VC	338.2	0.49%	13.8	1.4	338.6	ARROYO LINDO	13860	0	L	D11S 69	D11S 70	5	
13-15	13703	81290	81566	4/2/1954	288.0	8	VC	0.0	0.40%	65.3	41.5	327.3		10490	0	L	D11S 351	D11S 26	8	
25	13721	81588	81587	1/1/1961	236.0	8	VC	285.8	1.48%	17.9	3.1	289.3	JUTLAND	10419	2	D	D11S 417	D11S 418	5	
25	13723	81522	81521	1/1/1970	159.0	8	VC	282.5	1%	10.9	0.2	284.1	ABER	14195	2	D	D11S 290	D11S 291	4	
19	13734	81532	81531	4/2/1954	125.0	8	VC	0.0	1.50%	12.6	0.8	324.0	JUTLAND	10481	0	L	D11S 301	D11S 302	2	
14-15	13786	81564	81565	4/2/1954	298.0	8	VC	342.6	1.20%	12.3	2.1	346.1	LUNA	10490	0	L	D11S 350	D11S 349	10	
26	13795	81595	81594	1/1/1961	170.0	8	VC	283.7	12%	19.9	0.2	304.1	JUTLAND	10419	5	D	D12S 2	D12S 3	7	
2	8140	76106	76105	1/1/1957	100.0	8	VC	352.4	0.40%	13.3	0.6	352.8	WYANDOTTE	4328	0	D	C11S 44	C11S 45	4	
8	13498	81296	81295	9/27/1957	150.0	8	VC	347.6	0.70%	11.3	0.6	348.6	HAVASUPAI	13137	0	L	D11S 31	D11S 32	5	
11	13506	81310	81309	4/2/1954	145.0	8	VC	331.8	0.41%	35.1	25.3	332.4	HIDALGO	10469	0	L	D11S 45	D11S 46	4	
17-18	13714	81512	81511	4/2/1954	323.0	8	VC	326.8	0.60%	21.9	5.7	328.8	FAWN	10461	0	L	D11S 280	D11S 281	4	
24-26	13791	81598	81596	1/1/1961	275.0	8	VC	294.6	0.60%	11.1	2.6	296.3	JUTLAND	10419	6	D	D12S 4	D12S 6	8	



Map#	FAC_SEQ_NU	US_FAC	DS_FAC	INST_DT	LGTH_QTY	SIZE_NUM	MATL_CD	DNSTR_EAMIE	SLOPE	MAX_D	MAX_q_Q	UPSTRM_INV	STRT_NM	DWG_NUM	DWG_SHT	DWG_TYP	DWFACM_APID	UPFLDBKPAG_UPFACMAPID	LATERALS	COMMENTS
30-32	13851	81658	81669	1/23/1956	284.0	8	VC	0.0	2.33%	9.5	1.9	311.6	MORAGA	11592	0	L	D12S 80	D12S 69	7	
29	13869	81676	81677	4/2/1954	305.0	8	VC	320.3	1.20%	6.6	0.9	324.0	LA JUNTA	10488	0	L	D12S 95	D12S 94	6	
30	13873	81672	81671	4/2/1954	239.0	8	VC	0.0	2.46%	53.6	1.2	321.1	LA JUNTA	10489	0	L	D12S 89	D12S 90	4	
4	8126	76094	76095	1/1/1956	303.0	8	VC	343.7	0.31%	15.8	2.6	345.2	HAVASUPAI	3529	0	D	C11S 33	C11S 31	8	
1	8131	76103	76102	1/1/1956	165.0	8	VC	355.9	0.50%	13.4	0.8	356.7	WYANDOTTE	3534	0	D	C11S 40	C11S 41	6	
24	8173	81518	76140	1/1/1970	293.0	8	VC	234.8	9.14%	12.3	0.8	261.6	ARIANE	14195	5	D	C11S 79	D11S 287	9	
28	8368	76331	76327	1/1/1979	170.0	8	VC	86.1	1.25%	30.8	19.5	91.1		18681	5	D	C12S 85	C12S 91	0	
28	8524	5435186	5435185	1/1/1961	18.0	8	CI	0.0	1.11%	32.1	22.3	0.0	MORENA	10419	7	D	C12S 415	C12S 416	0	
9	13471	81270	81269	2/5/1959	123.0	8	VC	337.7	0.40%	11.8	1.0	338.2	EDELL	13860	0	L	D11S 2	D11S 3	7	
9	13475	81272	81585	2/27/1958	295.0	8	VC	335.5	0.40%	21.6	5.7	336.7	GALLATIN	13199	0	L	D11S 393	D11S 5	8	
9	13479	81276	81274	2/5/1959	43.0	8	VC	338.7	0.40%	12.3	1.2	338.9	DELLA	13860	0	L	D11S 7	D11S 9	1	
11	13501	81299	81300	9/27/1957	110.0	8	VC	343.8	1%	14.1	2.0	344.9	HAVASUPAI	13137	0	L	D11S 36	D11S 35	2	
12	13526	81322	81321	10/15/1958	180.0	8	VC	335.9	0.40%	11.9	0.9	336.6	SUNLINE	13204	0	L	D11S 59	D11S 61	8	
18	13707	81507	81508	4/2/1954	44.0	8	VC	333.0	0.91%	13.1	0.2	333.4	ISLETA	10472	0	L	D11S 277	D11S 275	2	
24	13725	81517	81516	1/1/1970	213.0	8	VC	265.0	5.80%	11.6	0.6	277.3	ABER	14195	3	D	D11S 285	D11S 286	7	
29	13867	81677	81678	4/2/1954	152.0	8	VC	318.9	0.90%	14.0	3.9	320.3	JICARILLO	10470	0	L	D12S 96	D12S 95	5	
29	13881	81680	81682	4/2/1954	183.0	8	VC	322.3	0.60%	7.6	1.2	323.4		10484	0	L	D12S 100	D12S 98	4	
5	8122	76085	76086		238.0	8	VC	333.0	0.46%	37.5	10.2	334.1	FARGO		0		C11S 23	C11S 22	6	
17	13712	81514	81513	4/2/1954	129.0	8	VC	328.0	0.40%	15.7	3.4	328.5	HIDALGO	10465	0	L	D11S 282	D11S 283	4	
18	13715	81509	81512	4/2/1954	272.0	8	VC	328.8	0.86%	16.5	2.7	331.1	ISLETA	10476	0	L	D11S 281	D11S 278	5	
10	13863	81666	81667	4/2/1954	177.0	8	VC	306.7	0.40%	25.1	13.7	307.4	HOPI	10470	0	L	D12S 78	D12S 77	5	
2	8142	76104	76105	1/1/1956	350.0	8	VC	352.4	0.50%	13.7	4.1	354.2	WYANDOTTE	3534	0	D	C11S 44	C11S 43	10	
20	8163	76136	76135	1/1/1970	300.0	10	VC	67.0	4.11%	21.5	9.1	79.3		14195	10	D	C11S 74	C11S 75	0	
23	8176	76138	76137	1/1/1970	245.0	8	VC	204.7	4.20%	17.7	5.4	214.9	LEATHERS	14485	3	D	C11S 76	C11S 77	8	
7	8200	76167	76166	9/20/1955	90.0	8	VC	337.7	0.50%	13.4	2.2	338.1	EL PENON	10884	0	L	C11S 105	C11S 106	1	
27	8378	76339	76340	1/1/1961	136.0	8	VC	257.2	2.89%	12.0	0.8	261.1	ARCOLA	10419	4	D	C12S 100	C12S 99	4	
23	8381	76346	76345	1/1/1970	120.0	8	VC	196.1	5%	19.4	0.3	202.1	LEATHERS	14195	7	D	C12S 105	C12S 106	7	
22	8388	76347	76352	1/1/1978	349.0	8	VC	129.5	10.1%	25.3	6.3	164.6	ARIANE	18080	1	D	C12S 112	C12S 107	1	
9	13473	81586	81271	2/5/1959	140.0	8	VC	336.8	0.39%	16.8	3.3	337.3	EDELL	13860	0	L	D11S 4	D11S 395	6	
8	13486	81279	81278	1/1/1957	180.0	8	VC	0.0	1.04%	15.5	5.2	341.7	HAVASUPAI	4328	0	D	D11S 11	D11S 12	3	
13	13493	81289	81290		293.0	8	VC	327.3	0.40%	46.2	40.6	328.5	LUNA		0		D11S 26	D11S 25	10	
12	13521	81313	81312	2/27/1958	170.0	8	VC	333.6	0.40%	27.9	7.0	334.3	ARROYO LINDO	13199	0	L	D11S 48	D11S 49	3	
12	13527	81321	81320	10/15/1958	71.0	8	VC	335.6	0.41%	13.2	1.3	335.9	SUNLINE	13204	0	L	D11S 58	D11S 59	3	
18	13708	81508	81509	4/2/1954	220.0	8	VC	331.1	0.85%	13.5	2.2	333.0	ISLETA	10476	0	L	D11S 278	D11S 277	3	
18	13717	81527	81508	4/2/1954	333.0	8	VC	333.0	3.38%	13.1	0.8	344.2	HIDAS	10463	0	L	D11S 277	D11S 297	10	
24	13726	81519	81518	1/1/1970	275.0	8	VC	261.6	7%	11.4	0.6	280.8	ARIANE	14195	5	D	D11S 287	D11S 288	10	
30	13738	81536	81537	4/2/1954	119.0	8	VC	0.0	3.92%	53.0	0.7	322.5	KAROK	10486	0	L	D11S 309	D11S 308	2	
24	13789	81600	76343	1/1/1970	102.0	8	VC	235.4	1%	12.5	1.0	236.5	ARIANE	14195	7	D	C12S 103	D12S 8	7	
26	13797	81597	81602	1/1/1961	240.0	8	VC	281.9	0.40%	24.8	13.5	282.8	JUTLAND	10419	3	D	D12S 10	D12S 5	5	
27	13799	81601	76339	1/1/1961	200.0	8	VC	261.1	3.40%	11.3	0.5	267.9	ARCOLA	10419	4	D	C12S 99	D12S 9	7	
26-27	13800	81932	81603	1/1/1961	140.0	8	VC	265.1	0.40%	20.1	1.0	265.7	ARCOLA	10419	4	D	D12S 11	D12S 364	2	
31	13830	81634	81662	1/23/1956	150.0	8	VC	313.6	0.40%	6.2	0.7	314.2	KEOKUK	11583	0	L	D12S 73	D12S 44	5	
29-30	13876	81685	81535	4/2/1954	120.0	8	VC	323.5	1.20%	12.4	0.5	324.9	KAROK	10486	0	L	<b>D11S 307</b>	<b>D12S 103</b>	6	

24	13790	81599	81598	1/1/1961	180.0	8	VC	296.3	3%	13.4	0.6	301.7	JUTLAND	10419	6	D	D12S 6	D12S 7	10
32	13852	81657	81659	1/23/1956	160.0	8	VC	319.8	1.80%	5.5	0.6	322.7	LA CROSSE	11589	0	L	D12S 70	D12S 68	8

Map#	FAC_SEQ_NU	US_FAC	DS_FAC	INST_DT	LGTH_QTY	SIZE_NUM	MATL_CD	DNSTR_EAMIE	SLOPE	MAX_d_D	MAX_q_Q	UPSTRM_INV	STRT_NM	DWG_NUM	SHT	DWG_TYP	DWFACM_APID	UPFLDBKPAG_UPFACMAPID	LATERALS	COMMENTS
30	13871	81674	81673	4/2/1954	60.0	8	VC	322.7	1.70%	12.8	0.2	323.7	LA JUNTA	10488	0	L	D12S 91	D12S 92	3	
5	8118	76082	76085		248.0	8	VC	334.1	1.90%	20.4	1.2	338.8	POWHATAN		0		C11S 22	C11S 19	4	
5	8119	76083	76085	9/20/1955	192.0	8	VC	334.1	0.40%	20.4	5.4	334.9	FARGO	10884	0	L	C11S 22	C11S 20	5	
16	8182	76147	76145	1/1/1970	250.0	8	VC	229.6	6.00%	15.8	4.1	242.9		14485	2	D	C11S 84	C11S 86	9	
28	8364	5435185	76324	1/1/1961	69.0	8	VC	85.1	2.54%	26.0	14.8	0.0	MORENA	10419	7	D	C12S 82	C12S 415	0	
23	8380	76344	76345	1/1/1970	270.0	8	VC	196.1	7.78%	19.4	4.0	217.1	ARIANE	14195	6	D	C12S 105	C12S 104	0	
3	13482	81281	81280	1/1/1957	118.0	8	VC	343.9	1.48%	13.6	1.8	345.7	WYANDOTTE	4328	0	D	D11S 13	D11S 14	3	
11	13499	81297	81298	9/27/1957	130.0	8	VC	347.7	1%	12.6	0.7	349.0	HAVASUPAI	13137	0	L	D11S 34	D11S 33	8	
11	13500	81298	81299	9/27/1957	285.0	8	VC	344.9	1.00%	12.8	1.8	347.7	HAVASUPAI	13137	0	L	D11S 35	D11S 34	9	
11	13502	81300	81301	9/27/1957	113.0	8	VC	342.6	1%	12.9	3.2	343.8	HAVASUPAI	13137	0	L	D11S 37	D11S 36	3	
14	13511	81304	81303	4/2/1954	291.0	8	VC	0.0	0.40%	36.5	28.4	331.3	HIDALGO	10469	0	L	D11S 39	D11S 40	6	
14	13512	81572	81303	4/2/1954	319.0	8	VC	0.0	5.61%	28.1	0.7	348.0	MASSASOIT	10494	0	L	D11S 39	D11S 357	7	
10	13528	81325	81323	10/15/1958	350.0	8	VC	335.9	0.40%	16.8	5.3	337.3	ARROYO LINDO	13204	0	L	D11S 62	D11S 68	10	
9	13531	81269	81268	2/5/1959	36.0	8	VC	337.6	0.39%	12.6	1.2	337.7	EDELL	13860	0	L	D11S 1	D11S 2	1	
18	13718	81524	81526	4/2/1954	255.0	8	VC	330.0	0.73%	12.4	1.0	331.9	GUILITTOY	10462	0	L	D11S 296	D11S 294	9	
24-25	13724	81521	81517	1/1/1970	256.0	8	VC	277.3	2%	11.0	0.5	282.5	ABER	14195	2	D	D11S 286	D11S 290	6	
30	13737	81535	81536	4/2/1954	238.0	8	VC	322.5	0.40%	11.1	1.7	323.5	KAROK	10486	0	L	D11S 308	D11S 307	7	
12	13784	81316	81310	10/15/1958	244.0	8	VC	332.4	0.40%	34.6	5.8	333.4	OSCEOLA	13204	0	L	D11S 46	D11S 52	4	
27	13802	81605	76337	1/1/1961	247.0	8	VC	236.5	10.8%	14.3	3.0	263.2	JUTLAND	10419	3	D	C12S 97	D12S 14	6	
32	13848	81651	81652	1/23/1956	198.0	8	VC	316.5	0.50%	7.6	1.3	317.5	MORAGA	11593	0	L	D12S 62	D12S 61	8	
29	13879	81683	81682	4/2/1954	155.0	8	VC	322.3	0.90%	7.6	1.1	323.7	KAROK	10485	0	L	D12S 100	D12S 101	2	
29	13880	81681	81680	10/8/1954	73.0	8	VC	323.4	0.51%	6.1	0.8	323.8		10420	0	L	D12S 98	D12S 99	4	
5	8121	76084	76085	9/20/1955	215.0	8	VC	334.1	2.30%	20.4	0.9	339.1	EL PENON	10882	0	L	C11S 22	C11S 21	3	
11	13503	81301	81311	9/27/1957	270.0	8	VC	332.9	3.60%	30.9	2.0	342.6	HAVASUPAI	13137	0	L	D11S 47	D11S 37	7	
15	13769	81563	81564	4/2/1954	60.0	8	VC	346.1	1.20%	13.1	0.4	346.8	LUNA	10492	0	L	D11S 349	D11S 348	4	
32	13850	81652	81658	1/23/1956	331.0	8	VC	311.6	1.50%	8.9	1.6	316.5	MORAGA	11592	0	L	D12S 69	D12S 62	11	
30	13860	81669	81670	4/2/1954	189.0	8	VC	304.2	0.40%	30.3	19.8	304.9	MORAGA	10496	0	L	D12S 88	D12S 80	5	
30	13862	81667	81668	4/2/1954	180.0	8	VC	0.0	0.40%	25.7	14.3	306.7	HOPI	10470	0	L	D12S 79	D12S 78	5	
29	13870	81675	81676	4/2/1954	60.0	8	VC	324.0	0.40%	5.6	0.6	324.2	LA JUNTA	10488	0	L	D12S 94	D12S 93	4	
4	8127	76089	76094	1/1/1956	130.0	8	VC	345.2	0.50%	13.5	0.9	345.9	HAVASUPAI	3529	0	D	C11S 31	C11S 26	6	
2	8133	76093	76101	1/1/1956	297.0	8	VC	349.7	0.50%	15.1	2.7	351.1	TONTO	3533	0	D	C11S 39	C11S 30	8	
24	8174	81516	76141	1/1/1970	302.0	8	VC	246.9	6.00%	12.0	1.0	265.0	ABER	14195	3	D	C11S 80	D11S 285	10	
16-23	8177	76145	76138	1/1/1970	247.0	8	VC	214.9	5.24%	16.7	4.6	227.9	LEATHERS	14485	3	D	C11S 77	C11S 84	9	
23	8379	76342	76344	1/1/1970	207.0	8	VC	217.1	4.83%	15.2	0.4	227.1	LISANN	14195	4	D	C12S 104	C12S 102	9	
22	8386	76352	76350	1/1/1978	350.0	10	VC	105.0	7%	20.8	6.7	129.5	ARIANE	18080	1	D	C12S 110	C12S 112	0	
9	13476	81273	81272	2/27/1958	295.0	8	VC	336.7	0.40%	16.2	4.8	337.9	GALLATIN	13199	0	L	D11S 5	D11S 6	11	
3	13481	76109	81281	1/1/1957	350.0	8	VC	345.7	1%	12.6	1.8	349.2	WYANDOTTE	4328	0	D	D11S 14	C11S 48	12	
14	13510	81291	81303	4/2/1954	200.0	8	VC	0.0	8.23%	28.1	0.2	346.6	MASSASOIT	10494	0	L	D11S 39	D11S 27	6	
19	13736	81531	81540	4/2/1954	278.0	8	VC	330.1	3.49%	71.9	1.8	330.1	JUTLAND	10481	0	L	D11S 312	D11S 301	6	
29-30	13864	81665	81666	4/2/1954	164.0	8	VC	307.4	0.40%	21.6	10.1	308.0	HOPI	10470	0	L	D12S 77	D12S 76	5	
26-27	14110	81604	81932	1/1/1961	83.0	8	VC	265.7	0.40%	11.5	0.7	266.0	ARCOLA	10419	4	D	D12S 364	D12S 13	4	

4	8113	76090	76237	1/1/1956	251.0	8	VC	336.0	0.96%	25.1	3.4	338.5	MONONGAHELA	3531	0	D	C11S231	C11S27	3
28	8364	5435185	76324	1/1/1961	69	8	VC	85.05	9.94%	33.5	24.3	0	MORENA	10419	7	D	C12S 82	C12S 415	0
28	8524	5435186	5435185	1/1/1961	18	8	CI	0	9.94%	33.5	24.3	0	MORENA	10419	7	D	C12S 415	C12S 416	0

## APPENDIX G

### SEWER LATERAL PIPELINE REHABILITATION AR-1 SPREADSHEETS

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
1							
2	PLAN MAP SHT #	LAT FSN	STREET NUMBER	STREET NAME	ST SUFFIX	SIZE	MATERIAL
3	9	173302	2982	EDELL	PL	4"	UNK
4	9	173317	2974	EDELL	PL	4"	UNK
5	10-12	173476	5012	ARROYO LINDO	AV	4"	UNK
6	9	173643	4971	DELLA	PL	4"	UNK
7	9	173738	4961	DELLA	PL	4"	UNK
8	2	173901	2770	WYANDOTTE	AV	4"	UNK
9	12	173936	4976	SUNLINE	AV	4"	UNK
10	11-12	174074	4915	HIDALGO	AV	4"	UNK
11	1-4	174274	2612	WYANDOTTE	AV	4"	UNK
12	12	174364	4933	SUNLINE	AV	4"	UNK
13	8	174488	2864	HAVASUPAI	AV	4"	UNK
14	1-4	174562	2632	TONTO	WY	4"	UNK
15	8	174626	2839	HAVASUPAI	AV	4"	UNK
16	11	174637	2915	HAVASUPAI	AV	4"	UNK
17	12	174674	3081	DOW	PL	4"	UNK
18	2-4	174681	2635	TONTO	WY	4"	UNK
19	2-4	174707	2688	HAVASUPAI	AV	4"	UNK
20	5	174865	2810	LUNA	AV	4"	UNK
21	4	175024	4775	MONONGAHELA	ST	4"	UNK
22	13	175236	2919	LUNA	AV	4"	UNK
23	11-14-15	175266	4815	HIDALGO	AV	4"	UNK
24	13-15	175561	2979	LUNA	AV	4"	UNK
25	14-15	175687	3061	MASSASOIT	AV	4"	UNK
26	15	175829	3021	LUNA	AV	4"	UNK
27	15	176022	3001	JEMEZ	DR	4"	UNK
28	15	176070	3032	JEMEZ	DR	4"	UNK
29	15	176114	3042	JEMEZ	DR	4"	UNK
30	16	176852	4677	LISANN	ST	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
31	17	176896	4534	HIDALGO	AV	4"	UNK
32	18	177030	3069	HIDAS	AV	4"	UNK
33	18	177416	4624	GUILITOY	CT	4"	UNK
34	18	177461	3117	GUILITOY	AV	4"	UNK
35	23	177765	4616	LISANN	ST	4"	UNK
36	18	177775	4609	JUTLAND	DR	4"	UNK
37	25	177809	3038	ABER	ST	4"	UNK
38	23-24	177877	2891	ABER	ST	4"	UNK
39	24	178147	2941	ARIANE	DR	4"	UNK
40	23	178206	4571	LISANN	ST	4"	UNK
41	29	178371	3326	KAROK	AV	4"	UNK
42	24-25	178396	4580	JUTLAND	PL	4"	UNK
43	25-26	178421	4522	JUTLAND	DR	4"	UNK
44	29	178490	3232	KAROK	AV	4"	UNK
45	30	178832	3377	LA JUNTA	AV	4"	UNK
46	29	178844	3308	LA JUNTA	AV	4"	UNK
47	26	178992	3058	JUTLAND	CT	4"	UNK
48	29-30-31	179149	3320	HOPI	PL	4"	UNK
49	29-31	179203	4566	JICARILLO	AV	4"	UNK
50	27	179227	2790	ARCOLA	AV	4"	UNK
51	29-30-31	179292	3319	HOPI	PL	4"	UNK
52	30-31-32	179568	4534	LA CROSSE	AV	4"	UNK
53	31	179608	4539	JICARILLO	AV	4"	UNK
54	27	179842	4412	JUTLAND	DR	4"	UNK
55	26-27	179910	2986	ARCOLA	AV	4"	UNK
56	32	180042	4471	MORAGA	AV	4"	UNK
57	32	180121	4470	MORAGA	AV	4"	UNK
58	32	180554	4411	MORAGA	AV	4"	UNK
59	12-14	279872	3017	OSCEOLA	AV	4"	UNK
60	10	302123	5092	ARROYO LINDO	AV	4"	UNK
61	10	302479	5021	ARROYO LINDO	AV	4"	UNK
62	2	302831	2735	WYANDOTTE	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
63	2	302851	2727	WYANDOTTE	AV	4"	UNK
64	2	302872	2715	WYANDOTTE	AV	4"	UNK
65	9-11	303011	2932	HAVASUPAI	AV	4"	UNK
66	9-11	303078	2925	HAVASUPAI	AV	4"	UNK
67	1-4	303228	4862	MONONGAHELA	ST	4"	UNK
68	11-12-14	303299	2991	HAVASUPAI	AV	4"	UNK
69	2-4	303436	2667	HAVASUPAI	AV	4"	UNK
70	8-13	303654	2903	LUNA	AV	4"	UNK
71	13-14-15	303808	2978	LUNA	AV	4"	UNK
72	13-14-15	303873	2994	LUNA	AV	4"	UNK
73	14-15	303998	3024	LUNA	AV	4"	UNK
74	15	304118	3041	LUNA	AV	4"	UNK
75	15	304149	3051	LUNA	AV	4"	UNK
76	17-18	304737	4615	HIDALGO	AV	4"	UNK
77	17	304793	4542	HIDALGO	AV	4"	UNK
78	17	304910	4531	HIDALGO	AV	4"	UNK
79	16	305004	4659	LISANN	ST	4"	UNK
80	16	305146	4650	LISANN	ST	4"	UNK
81	23	305319	4630	LEATHERS	ST	4"	UNK
82	23-24	305417	2880	ABER	ST	4"	UNK
83	24-25	305502	2980	ARIANE	DR	4"	UNK
84	24-25	305646	2949	ARIANE	DR	4"	UNK
85	25	305790	4528	JUTLAND	DR	4"	UNK
86	23	305909	4562	LEATHERS	ST	4"	UNK
87	30	305995	3386	LA JUNTA	AV	4"	UNK
88	30	306133	3341	LA JUNTA	AV	4"	UNK
89	29	306157	4590	JICARILLO	AV	4"	UNK
90	26	306219	4511	JUTLAND	PL	4"	UNK
91	27	306411	2836	ARCOLA	AV	4"	UNK
92	26-27	306445	4462	JUTLAND	DR	4"	UNK
93	27	306795	4420	JUTLAND	DR	4"	UNK
94	26-27	306851	2966	ARCOLA	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
95	27	306878	4417	JUTLAND	DR	4"	UNK
96	31	307082	3271	KEOKUK	CT	4"	UNK
97	10	173201	5044	ARROYO LINDO	AV	4"	UNK
98	10-12	173736	4991	SUNLINE	AV	4"	UNK
99	12	173796	3031	BARBY	PL	4"	UNK
100	12	173881	4961	ARROYO LINDO	AV	4"	UNK
101	9	173941	4975	GALLATIN	WY	4"	UNK
102	12	173958	4967	SUNLINE	AV	4"	UNK
103	9	173977	4911	DELLA	PL	4"	UNK
104	2	173987	2755	WYANDOTTE	AV	4"	UNK
105	1	174064	4927	MONONGAHELA	ST	4"	UNK
106	3	174097	2832	WYANDOTTE	AV	4"	UNK
107	12	174185	4949	SUNLINE	AV	4"	UNK
108	9-11	174211	2940	HAVASUPAI	AV	4"	UNK
109	3	174257	2868	WYANDOTTE	AV	4"	UNK
110	2	174391	2705	TONTO	WY	4"	UNK
111	2-4	174441	2662	TONTO	WY	4"	UNK
112	2-4	174531	2642	TONTO	WY	4"	UNK
113	8	174629	2855	HAVASUPAI	AV	4"	UNK
114	11	174675	2901	HAVASUPAI	AV	4"	UNK
115	2-4	174765	2666	HAVASUPAI	AV	4"	UNK
116	5	174867	2834	LUNA	AV	4"	UNK
117	4	174978	4802	MONONGAHELA	ST	4"	UNK
118	13	175277	2929	LUNA	AV	4"	UNK
119	11-14-15	175278	4804	HIDALGO	AV	4"	UNK
120	14-15	175563	3062	MASSASOIT	AV	4"	UNK
121	7	175588	4644	FARGO	AV	4"	UNK
122	7	175796	4614	FARGO	AV	4"	UNK
123	15	175832	3044	LUNA	AV	4"	UNK
124	15	176062	3112	LUNA	AV	4"	UNK
125	16	176371	4706	LEATHERS	ST	4"	UNK
126	17	176749	4582	HIDALGO	AV	4"	UNK



Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
127	17	176861	3007	FAWN	AV	4"	UNK
128	17	176875	4581	HIDALGO	AV	4"	UNK
129	18	177125	3039	GUILITOY	AV	4"	UNK
130	17	177242	3047	FAWN	AV	4"	UNK
131	18	177302	3069	GUILITOY	AV	4"	UNK
132	16-23	177440	4644	LISANN	ST	4"	UNK
133	18-25	177504	4604	GUILITOY	CT	4"	UNK
134	17-24-25	177704	2981	ABER	ST	4"	UNK
135	17-24-25	177709	2991	ABER	ST	4"	UNK
136	17-24	177737	2961	ABER	ST	4"	UNK
137	23	177755	4623	LEATHERS	ST	4"	UNK
138	23	177936	2861	ABER	ST	4"	UNK
139	25	177971	4568	JUTLAND	DR	4"	UNK
140	25	178044	3061	ABER	ST	4"	UNK
141	23	178133	4579	LISANN	ST	4"	UNK
142	24	178142	2908	ARIANE	DR	4"	UNK
143	24	178234	2915	ARIANE	DR	4"	UNK
144	24	178275	2897	ARIANE	DR	4"	UNK
145	25	178279	4534	JUTLAND	DR	4"	UNK
146	23-24	178293	2883	ARIANE	DR	4"	UNK
147	29	178342	3334	KAROK	AV	4"	UNK
148	23-24	178374	2855	ARIANE	DR	4"	UNK
149	24-25-26	178390	4597	JUTLAND	PL	4"	UNK
150	29	178420	3335	KAROK	AV	4"	UNK
151	23-24	178448	4551	ARIANE	WY	4"	UNK
152	29	178620	3277	KAROK	AV	4"	UNK
153	25-26	178708	4532	JUTLAND	PL	4"	UNK
154	29-31	179332	3311	HOPI	PL	4"	UNK
155	29-31	179416	4554	JICARILLO	AV	4"	UNK
156	26-27	179423	4459	JUTLAND	DR	4"	UNK
157	27	179455	2867	ARCOLA	AV	4"	UNK
158	30-31-32	179463	4540	LA CROSSE	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
159	26-27	179578	4453	JUTLAND	DR	4"	UNK
160	31-32	179963	4511	LA CROSSE	AV	4"	UNK
161	32	179996	4502	MORAGA	AV	4"	UNK
162	31	180005	3280	KEOKUK	CT	4"	UNK
163	32	180207	4460	MORAGA	AV	4"	UNK
164	10	302219	5062	ARROYO LINDO	AV	4"	UNK
165	9	302514	2917	EDELL	PL	4"	UNK
166	12	302714	4966	ARROYO LINDO	AV	4"	UNK
167	9	302746	4964	GALLATIN	WY	4"	UNK
168	9	302755	4954	GALLATIN	WY	4"	UNK
169	9-11-12	302876	4932	HIDALGO	AV	4"	UNK
170	12	302978	4931	ARROYO LINDO	AV	4"	UNK
171	3	302997	2862	WYANDOTTE	AV	4"	UNK
172	3	303028	2839	WYANDOTTE	AV	4"	UNK
173	1-4	303069	2641	WYANDOTTE	AV	4"	UNK
174	9-11	303076	2937	HAVASUPAI	AV	4"	UNK
175	11-12	303097	4896	HIDALGO	AV	4"	UNK
176	1-4	303112	2623	WYANDOTTE	AV	4"	UNK
177	11	303147	2967	HAVASUPAI	AV	4"	UNK
178	11	303171	2921	HAVASUPAI	AV	4"	UNK
179	12	303271	3080	DOW	PL	4"	UNK
180	8	303288	2885	HAVASUPAI	AV	4"	UNK
181	5	303508	2791	LUNA	AV	4"	UNK
182	4	303598	4774	MONONGAHELA	ST	4"	UNK
183	5	303751	4678	FARGO	AV	4"	UNK
184	14-15	303865	3021	MASSASOIT	AV	4"	UNK
185	14-15	303958	3071	MASSASOIT	AV	4"	UNK
186	14-15	304030	3034	LUNA	AV	4"	UNK
187	15	304148	3074	LUNA	AV	4"	UNK
188	16	304557	4695	LEATHERS	ST	4"	UNK
189	16	304605	4691	LEATHERS	ST	4"	UNK
190	18	304842	4624	ISLETA	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
191	18	304885	3059	HIDAS	AV	4"	UNK
192	16	304989	4665	LEATHERS	ST	4"	UNK
193	18	305021	3060	GUILTOY	AV	4"	UNK
194	19	305155	3164	HIDAS	AV	4"	UNK
195	16-23	305234	4632	LISANN	ST	4"	UNK
196	17-24	305367	2916	ABER	ST	4"	UNK
197	24-25	305522	2972	ARIANE	DR	4"	UNK
198	24-25	305550	2989	ARIANE	DR	4"	UNK
199	30	305740	3378	KAROK	AV	4"	UNK
200	29	305841	3314	KAROK	AV	4"	UNK
201	25-26	305870	4523	JUTLAND	DR	4"	UNK
202	29	305876	3321	KAROK	AV	4"	UNK
203	29	305966	3292	KAROK	AV	4"	UNK
204	29	306119	3320	LA JUNTA	AV	4"	UNK
205	25-26	306148	4521	JUTLAND	PL	4"	UNK
206	25-26	306205	4507	JUTLAND	DR	4"	UNK
207	29-31	306255	3309	LA JUNTA	AV	4"	UNK
208	30	306382	4543	MORAGA	AV	4"	UNK
209	26-27	306505	2872	ARCOLA	AV	4"	UNK
210	30-32	306617	4517	MORAGA	AV	4"	UNK
211	32	306706	4512	MORAGA	AV	4"	ABS
212	31	306845	3290	KEOKUK	CT	4"	UNK
213	32	306925	4501	MORAGA	AV	4"	UNK
214	31-32	307251	4465	KAMLOOP	AV	4"	UNK
215	32	307358	4421	MORAGA	AV	4"	UNK
216	10	172954	5082	ARROYO LINDO	AV	4"	UNK
217	10	173169	5053	ARROYO LINDO	AV	4"	UNK
218	9	173296	2992	EDELL	PL	4"	UNK
219	9	173453	2910	EDELL	PL	4"	UNK
220	2	173896	2758	WYANDOTTE	AV	4"	UNK
221	9	173960	4910	GALLATIN	WY	4"	UNK
222	11	173978	4955	GALLATIN	WY	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
223	12	173988	4946	ARROYO LINDO	AV	4"	UNK
224	9-11-12	173992	4942	HIDALGO	AV	4"	UNK
225	9-11	174018	4925	GALLATIN	WY	4"	UNK
226	3	174093	2826	WYANDOTTE	AV	4"	UNK
227	3	174103	2838	WYANDOTTE	AV	4"	UNK
228	12	174109	4955	SUNLINE	AV	4"	UNK
229	11-12	174115	4922	ARROYO LINDO	AV	4"	UNK
230	2-4	174143	2648	WYANDOTTE	AV	4"	UNK
231	1-4	174190	2640	WYANDOTTE	AV	4"	UNK
232	2-4	174320	2692	TONTO	WY	4"	UNK
233	1-4	174419	4875	MONONGAHELA	ST	4"	UNK
234	2-4	174446	2683	TONTO	WY	4"	UNK
235	12	174460	3060	DOW	PL	4"	UNK
236	8	174494	2884	HAVASUPAI	AV	4"	UNK
237	11-12	174528	2986	HAVASUPAI	AV	4"	UNK
238	8	174631	2861	HAVASUPAI	AV	4"	UNK
239	8-11	174644	2897	HAVASUPAI	AV	4"	UNK
240	11-14	174667	2973	HAVASUPAI	AV	4"	UNK
241	1-4	174705	2625	TONTO	WY	4"	UNK
242	2-4	174727	2678	HAVASUPAI	AV	4"	UNK
243	12-14	174748	3023	OSCEOLA	AV	4"	UNK
244	11-12-14	174825	3005	OSCEOLA	AV	4"	UNK
245	4	175044	4786	MONONGAHELA	ST	4"	UNK
246	4	175157	4762	MONONGAHELA	ST	4"	UNK
247	5	175263	2775	POWHATAN	AV	4"	UNK
248	13-14-15	175309	2981	MASSASOIT	AV	4"	UNK
249	<b>13</b>	175405	2955	LUNA	AV	4"	UNK
250	14-15	175538	3050	MASSASOIT	AV	4"	UNK
251	13-14-15	175610	2987	LUNA	AV	4"	UNK
252	18	176860	4634	ISLETA	AV	4"	UNK
253	17	176868	4571	HIDALGO	AV	4"	UNK
254	16	177023	4666	LEATHERS	ST	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
255	17-18	177140	4603	ISLETA	AV	4"	UNK
256	17	177177	4502	HIDALGO	AV	4"	UNK
257	16	177189	4661	LEATHERS	ST	4"	UNK
258	16	177208	4658	LEATHERS	ST	4"	UNK
259	18	177295	3080	GUILITTOY	AV	4"	UNK
260	18	177335	3104	GUILITTOY	AV	4"	UNK
261	25	177899	3054	ABER	ST	4"	UNK
262	24-25	177963	2997	ARIANE	DR	4"	UNK
263	24	178075	2932	ARIANE	DR	4"	UNK
264	23	178160	4578	LISANN	ST	4"	UNK
265	23-24	178231	2870	ARIANE	DR	4"	UNK
266	23	178522	4555	LISANN	ST	4"	UNK
267	30	178669	3389	LA JUNTA	AV	4"	UNK
268	30	178713	3378	LA JUNTA	AV	4"	UNK
269	30	178796	3353	LA JUNTA	AV	4"	UNK
270	30	179104	4536	MORAGA	AV	4"	UNK
271	26-27	179188	4468	JUTLAND	DR	4"	UNK
272	30-32	179329	4527	MORAGA	AV	4"	UNK
273	26-27	179340	4465	JUTLAND	DR	4"	UNK
274	27	179347	2845	ARCOLA	AV	4"	UNK
275	30-32	179447	4521	MORAGA	AV	4"	UNK
276	26-27	179470	4453	JUTLAND	DR	4"	UNK
277	30-31-32	179500	4539	LA CROSSE	AV	4"	UNK
278	32	179915	4504	MORAGA	AV	4"	UNK
279	27	180031	4401	JUTLAND	DR	4"	UNK
280	31-32	180111	4506	KAMLOOP	AV	4"	UNK
281	32	180353	4442	MORAGA	AV	4"	UNK
282	32	180405	4431	MORAGA	AV	4"	UNK
283	10-12	302526	5015	ARROYO LINDO	AV	4"	UNK
284	2	302834	2684	WYANDOTTE	AV	4"	UNK
285	12	302849	4951	ARROYO LINDO	AV	4"	ABS
286	2	302934	2656	WYANDOTTE	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
287	11-12	303101	4897	HIDALGO	AV	4"	UNK
288	1-4	303164	4874	MONONGAHELA	ST	4"	UNK
289	2-4	303174	2673	TONTO	WY	4"	UNK
290	8	303180	2816	HAVASUPAI	AV	4"	UNK
291	12	303184	4917	SUNLINE	AV	4"	UNK
292	11-12	303198	4889	HIDALGO	AV	4"	UNK
293	8	303277	2847	HAVASUPAI	AV	4"	UNK
294	8	303285	2891	HAVASUPAI	AV	4"	UNK
295	11-12-14	303298	2985	HAVASUPAI	AV	4"	UNK
296	4	303468	4814	MONONGAHELA	ST	4"	UNK
297	5	303504	2801	LUNA	AV	4"	UNK
298	5	303551	4715	FARGO	AV	4"	UNK
299	11-14	303570	4845	HIDALGO	AV	4"	UNK
300	8-13	303642	2912	LUNA	AV	4"	UNK
301	14-15	303733	4805	HIDALGO	AV	4"	UNK
302	13	303756	2941	LUNA	AV	4"	UNK
303	14-15	303888	3084	MASSASOIT	AV	4"	UNK
304	14-15	303913	3041	MASSASOIT	AV	4"	UNK
305	7	303917	4625	FARGO	AV	4"	UNK
306	13-14-15	303942	3004	LUNA	AV	4"	UNK
307	14-15	303971	3014	LUNA	AV	4"	UNK
308	15	304168	3012	JEMEZ	DR	4"	UNK
309	17-18	304652	4624	HIDALGO	AV	4"	UNK
310	18	304752	4644	ISLETA	AV	4"	UNK
311	17	304858	4541	HIDALGO	AV	4"	UNK
312	17	304926	4518	HIDALGO	AV	4"	UNK
313	17	304960	4510	HIDALGO	AV	4"	UNK
314	18	305048	3070	GUILTOY	AV	4"	UNK
315	16	305130	4646	LEATHERS	ST	4"	UNK
316	19	305337	4653	JUTLAND	DR	4"	UNK
317	23	305459	4617	LEATHERS	ST	4"	UNK
318	23	305475	4616	LEATHERS	ST	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
319	25	305653	4544	JUTLAND	DR	4"	UNK
320	23	305655	4587	LEATHERS	ST	4"	UNK
321	29	305765	3350	KAROK	AV	4"	UNK
322	30	305805	3381	KAROK	AV	4"	UNK
323	29	305827	3320	KAROK	AV	4"	UNK
324	29	305908	3256	KAROK	AV	4"	UNK
325	23-24	305964	4538	ARIANE	WY	4"	UNK
326	29	306043	4595	JICARILLO	AV	4"	UNK
327	23	306074	4538	LISANN	ST	4"	UNK
328	25-26	306146	4524	JUTLAND	PL	4"	UNK
329	30	306161	3371	LA JUNTA	AV	4"	UNK
330	29-31	306380	4565	JICARILLO	AV	4"	UNK
331	30-32	306427	4535	MORAGA	AV	4"	UNK
332	27	306471	2860	ARCOLA	AV	4"	UNK
333	30-32	306628	4516	MORAGA	AV	4"	UNK
334	26-27	306829	4425	JUTLAND	DR	4"	UNK
335	32	306837	4505	MORAGA	AV	4"	UNK
336	32	306848	4508	MORAGA	AV	4"	UNK
337	31	306895	4501	JICARILLO	AV	4"	UNK
338	31	307064	3279	KEOKUK	CT	4"	UNK
339	32	307204	4441	MORAGA	AV	4"	UNK
340	10	172925	5085	ARROYO LINDO	AV	4"	UNK
341	10	172994	5072	ARROYO LINDO	AV	4"	UNK
342	10	173042	5069	ARROYO LINDO	AV	4"	UNK
343	10	173338	5028	ARROYO LINDO	AV	4"	UNK
344	9	173415	2918	EDELL	PL	4"	UNK
345	9	173607	2901	EDELL	PL	4"	UNK
346	12	173700	3041	BARBY	PL	4"	UNK
347	9	173927	4924	GALLATIN	WY	4"	UNK
348	11-12	174020	4923	HIDALGO	AV	4"	UNK
349	2	174025	2674	WYANDOTTE	AV	4"	UNK
350	3	174105	2850	WYANDOTTE	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
351	1-4	174177	4915	MONONGAHELA	ST	4"	UNK
352	9-11	174248	2954	HAVASUPAI	AV	4"	UNK
353	1	174260	4914	MONONGAHELA	ST	4"	UNK
354	1-4	174379	4902	MONONGAHELA	ST	4"	UNK
355	8	174493	2878	HAVASUPAI	AV	4"	UNK
356	12	174524	4916	SUNLINE	AV	4"	UNK
357	11	174690	2907	HAVASUPAI	AV	4"	UNK
358	12-14	174827	3023	OSCEOLA	AV	4"	UNK
359	2-4	174884	2655	HAVASUPAI	AV	4"	UNK
360	13	175173	2920	LUNA	AV	4"	UNK
361	11	175271	2940	LUNA	AV	4"	UNK
362	13	175291	2935	LUNA	AV	4"	UNK
363	11-13	175292	2948	LUNA	AV	4"	UNK
364	5	175294	4685	FARGO	AV	4"	UNK
365	14-15	175417	3001	MASSASOIT	AV	4"	UNK
366	13-14-15	175773	3011	LUNA	AV	4"	UNK
367	15	176203	3111	LUNA	AV	4"	UNK
368	18	176715	4654	ISLETA	AV	4"	UNK
369	16	176758	4681	LISANN	ST	4"	UNK
370	18	176863	3039	HIDAS	AV	4"	UNK
371	17	176942	4604	ISLETA	AV	4"	UNK
372	17	177180	4505	HIDALGO	AV	4"	UNK
373	16	177274	4654	LEATHERS	ST	4"	UNK
374	16	177300	4654	LISANN	ST	4"	UNK
375	18	177412	3105	GUILTOY	AV	4"	UNK
376	16-23	177475	4638	LEATHERS	ST	4"	UNK
377	19	177489	4662	JUTLAND	DR	4"	UNK
378	17-24	177592	2956	ABER	ST	4"	UNK
379	17-24	177722	2971	ABER	ST	4"	UNK
380	18-25	177863	3046	ABER	ST	4"	UNK
381	23	177989	4605	LEATHERS	ST	4"	UNK
382	24-25	178036	2981	ARIANE	DR	4"	UNK



Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
383	24-25	178077	2965	ARIANE	DR	4"	UNK
384	24	178208	2925	ARIANE	DR	4"	UNK
385	24	178252	2907	ARIANE	DR	4"	UNK
386	25	178375	4533	JUTLAND	DR	4"	UNK
387	29	178500	3276	KAROK	AV	4"	UNK
388	25-26	178528	4516	JUTLAND	DR	4"	UNK
389	24	178604	4531	ARIANE	WY	4"	UNK
390	29-30	178702	3334	LA JUNTA	AV	4"	UNK
391	23	178755	4530	LISANN	ST	4"	UNK
392	26-27	178902	4514	JUTLAND	PL	4"	UNK
393	26	178955	3044	JUTLAND	CT	4"	UNK
394	30-31	179096	3344	HOPI	PL	4"	UNK
395	30-31-32	179262	3355	HOPI	PL	4"	UNK
396	27	179331	2825	ARCOLA	AV	4"	UNK
397	27	179954	4409	JUTLAND	DR	4"	UNK
398	9	302459	2983	EDELL	PL	4"	UNK
399	10-12	302554	5002	ARROYO LINDO	AV	4"	UNK
400	9	302603	4960	DELLA	PL	4"	UNK
401	12	302697	3020	BARBY	PL	4"	UNK
402	2	302758	2746	WYANDOTTE	AV	4"	UNK
403	9	302769	4940	GALLATIN	WY	4"	UNK
404	2	302886	2701	WYANDOTTE	AV	4"	UNK
405	3	303019	2817	WYANDOTTE	AV	4"	UNK
406	3	303027	2823	WYANDOTTE	AV	4"	UNK
407	3	303032	2833	WYANDOTTE	AV	4"	UNK
408	12	303134	4924	SUNLINE	AV	4"	UNK
409	2-4	303234	2653	TONTO	WY	4"	UNK
410	12-14	303235	4908	SUNLINE	AV	4"	UNK
411	8	303284	2879	HAVASUPAI	AV	4"	UNK
412	1-4	303321	4850	MONONGAHELA	ST	4"	UNK
413	11-12-14	303412	4880	HIDALGO	AV	4"	UNK
414	4	303454	2602	HAVASUPAI	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
415	5	303518	2809	LUNA	AV	4"	UNK
416	13	303772	2962	LUNA	AV	4"	UNK
417	6	303996	4781	LEATHERS	ST	4"	UNK
418	7	304103	4604	FARGO	AV	4"	UNK
419	15	304138	3002	JEMEZ	DR	4"	UNK
420	15	304185	3061	LUNA	AV	4"	UNK
421	15	304230	3071	LUNA	AV	4"	UNK
422	15	304324	3031	JEMEZ	DR	4"	UNK
423	16	304654	4686	LEATHERS	ST	4"	UNK
424	17	304684	4614	HIDALGO	AV	4"	UNK
425	16	304829	4674	LISANN	ST	4"	UNK
426	17	304871	3017	FAWN	AV	4"	UNK
427	16	304899	4670	LISANN	ST	4"	UNK
428	16	304925	4669	LEATHERS	ST	4"	UNK
429	18	304992	3050	GUILTOY	AV	4"	UNK
430	18	305172	3128	GUILTOY	AV	4"	UNK
431	18-25	305232	4623	GUILTOY	CT	4"	UNK
432	23	305291	4626	LISANN	ST	4"	UNK
433	23	305426	4611	LISANN	ST	4"	UNK
434	23	305429	4622	LEATHERS	ST	4"	UNK
435	23-24	305433	2870	ABER	ST	4"	UNK
436	23	305445	2860	ABER	ST	4"	UNK
437	25	305606	3073	ABER	ST	4"	UNK
438	23	305787	4571	LEATHERS	ST	4"	UNK
439	29-30	305820	3351	KAROK	AV	4"	UNK
440	23	305875	4563	LEATHERS	ST	4"	UNK
441	24-25-26	305884	4589	JUTLAND	PL	4"	UNK
442	23	306012	4554	LEATHERS	ST	4"	UNK
443	30	306017	3346	LA JUNTA	AV	4"	UNK
444	29	306045	4596	JICARILLO	AV	4"	UNK
445	25-26	306049	4513	JUTLAND	DR	4"	UNK
446	30	306145	3359	LA JUNTA	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
447	29	306171	3327	LA JUNTA	AV	4"	UNK
448	26	306414	4477	JUTLAND	DR	4"	UNK
449	27	306745	4428	JUTLAND	DR	4"	UNK
450	31	306815	4511	JICARILLO	AV	4"	UNK
451	31	307055	3285	KEOKUK	CT	4"	UNK
452	32	307067	4461	MORAGA	AV	4"	UNK
453	32	307148	4451	MORAGA	AV	4"	UNK
454	31-32	307179	4473	KAMLOOP	AV	4"	UNK
455	10	172955	5077	ARROYO LINDO	AV	4"	UNK
456	9	173305	2993	EDELL	PL	4"	UNK
457	9	173351	2966	EDELL	PL	4"	UNK
458	10	173414	5028	ARROYO LINDO	AV	4"	UNK
459	10-12	173600	4996	ARROYO LINDO	AV	4"	UNK
460	12	173701	3040	BARBY	PL	4"	UNK
461	12	173702	3030	BARBY	PL	4"	UNK
462	12	173857	3021	BARBY	PL	4"	UNK
463	12	173970	4970	SUNLINE	AV	4"	UNK
464	12	174077	4941	ARROYO LINDO	AV	4"	UNK
465	9-11	174209	2944	HAVASUPAI	AV	4"	UNK
466	9-11	174213	2936	HAVASUPAI	AV	4"	UNK
467	2-4	174222	2655	WYANDOTTE	AV	4"	UNK
468	11-12	174251	4902	HIDALGO	AV	4"	UNK
469	9-11-12	174277	2960	HAVASUPAI	AV	4"	UNK
470	9-11-12	174341	2966	HAVASUPAI	AV	4"	UNK
471	12	174366	4932	SUNLINE	AV	4"	UNK
472	2-4	174416	2693	TONTO	WY	4"	UNK
473	1-4	174595	2622	TONTO	WY	4"	UNK
474	1-4	174620	2612	TONTO	WY	4"	UNK
475	1-4	174719	2615	TONTO	WY	4"	UNK
476	8	174872	2874	LUNA	AV	4"	UNK
477	8-13	174890	2910	NAUGATUCK	AV	4"	UNK
478	4	174992	2615	HAVASUPAI	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
479	5	175043	4714	FARGO	AV	4"	UNK
480	8-13	175108	2903	NAUGATUCK	AV	4"	UNK
481	11-14-15	175182	4825	HIDALGO	AV	4"	UNK
482	11-13-14-15	175192	2951	MASSASOIT	AV	4"	UNK
483	11-14-15	175196	4814	HIDALGO	AV	4"	UNK
484	11-13-14-15	175228	2980	MASSASOIT	AV	4"	UNK
485	14-15	175472	3038	MASSASOIT	AV	4"	UNK
486	14-15	175598	3104	MASSASOIT	AV	4"	UNK
487	15	176202	3041	JEMEZ	DR	4"	UNK
488	18	176616	4674	ISLETA	AV	4"	UNK
489	18	176697	3030	HIDAS	AV	4"	UNK
490	16	176945	4671	LISANN	ST	4"	UNK
491	18	177038	3030	GUILTOY	AV	4"	UNK
492	18	177102	4613	ISLETA	AV	4"	UNK
493	19	177402	3151	HIDAS	AV	4"	UNK
494	17-24	177585	2964	ABER	ST	4"	UNK
495	23-24	177731	2908	ABER	ST	4"	UNK
496	23-24	177850	2911	ABER	ST	4"	UNK
497	23-24	177896	2881	ABER	ST	4"	UNK
498	25	177897	4578	JUTLAND	DR	4"	UNK
499	23-24	177910	2871	ABER	ST	4"	UNK
500	23	178262	4578	LEATHERS	ST	4"	UNK
501	30	178269	3372	KAROK	AV	4"	UNK
502	24-25	178339	4598	JUTLAND	PL	4"	UNK
503	23	178347	4570	LEATHERS	ST	4"	UNK
504	29-30	178403	3343	KAROK	AV	4"	UNK
505	23-24	178583	4547	LISANN	ST	4"	UNK
506	23-24	178667	4539	LISANN	ST	4"	UNK
507	25-26	178716	4529	JUTLAND	PL	4"	UNK
508	29	178724	3328	LA JUNTA	AV	4"	UNK
509	29-31	179192	3314	HOPI	PL	4"	UNK
510	27	179194	2824	ARCOLA	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
511	30-32	179207	4530	MORAGA	AV	4"	UNK
512	30-31-32	179236	3345	HOPI	PL	4"	UNK
513	27	179711	2946	ARCOLA	AV	4"	UNK
514	9	302683	4921	DELLA	PL	4"	UNK
515	12	302759	4956	ARROYO LINDO	AV	4"	UNK
516	1	302926	4938	MONONGAHELA	ST	4"	UNK
517	3	302944	2844	WYANDOTTE	AV	4"	UNK
518	11-12	302972	4912	HIDALGO	AV	4"	UNK
519	2-4	303126	2672	TONTO	WY	4"	UNK
520	12	303208	3070	DOW	PL	4"	UNK
521	2-4	303396	2679	HAVASUPAI	AV	4"	UNK
522	11-14	303538	4855	HIDALGO	AV	4"	UNK
523	5	303617	4704	FARGO	AV	4"	UNK
524	14-15	303831	3011	MASSASOIT	AV	4"	UNK
525	6	303941	4785	LEATHERS	ST	4"	UNK
526	15	304082	3054	LUNA	AV	4"	UNK
527	7	304086	4601	EL PENON	WY	4"	UNK
528	15	304219	3102	LUNA	AV	4"	UNK
529	16	304531	4694	LEATHERS	ST	4"	UNK
530	16	304589	4690	LEATHERS	ST	4"	UNK
531	17	304940	3027	FAWN	AV	4"	UNK
532	18	304946	3040	GUILTOY	AV	4"	UNK
533	16	305061	4657	LEATHERS	ST	4"	UNK
534	16	305097	4650	LEATHERS	ST	4"	UNK
535	16-23	305252	4629	LISANN	ST	4"	UNK
536	23	305280	4635	LEATHERS	ST	4"	UNK
537	17-24-25	305299	2980	ABER	ST	4"	UNK
538	19	305400	4637	JUTLAND	DR	4"	UNK
539	23-24	305403	2890	ABER	ST	4"	UNK
540	23	305534	4595	LISANN	ST	4"	UNK
541	24	305581	2940	ARIANE	DR	4"	UNK
542	23	305636	4594	LEATHERS	ST	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
543	23	305676	4586	LEATHERS	ST	4"	UNK
544	23	305733	4570	LISANN	ST	4"	UNK
545	30	305806	3375	KAROK	AV	4"	UNK
546	24-25-26	305856	4570	JUTLAND	PL	4"	UNK
547	29	306144	3314	LA JUNTA	AV	4"	UNK
548	29	306197	3321	LA JUNTA	AV	4"	UNK
549	26	306358	3055	JUTLAND	CT	4"	UNK
550	26	306371	4483	JUTLAND	DR	4"	UNK
551	30-31	306377	3366	HOPI	PL	4"	UNK
552	26	306462	4471	JUTLAND	DR	4"	UNK
553	29-31	306467	4559	JICARILLO	AV	4"	UNK
554	26-27	306552	4450	JUTLAND	DR	4"	UNK
555	29-30-31-32	306610	4538	KAMLOOP	AV	4"	UNK
556	32	306771	4510	MORAGA	AV	4"	UNK
557	31	306780	4526	JICARILLO	AV	4"	UNK
558	10	173297	5037	ARROYO LINDO	AV	4"	UNK
559	9	173365	2926	EDELL	PL	4"	UNK
560	12	173855	4953	HIDALGO	AV	4"	UNK
561	12	173878	4984	SUNLINE	AV	4"	UNK
562	2	173889	2736	WYANDOTTE	AV	4"	UNK
563	9	173947	4918	GALLATIN	WY	4"	UNK
564	9	173954	4965	GALLATIN	WY	4"	UNK
565	9-11	173995	4941	GALLATIN	WY	4"	UNK
566	12	174096	4954	SUNLINE	AV	4"	UNK
567	2	174281	2704	TONTO	WY	4"	UNK
568	2	174361	2717	TONTO	WY	4"	UNK
569	8	174485	2856	HAVASUPAI	AV	4"	UNK
570	2-4	174509	2663	TONTO	WY	4"	UNK
571	12	174658	3071	DOW	PL	4"	UNK
572	11-12-14	174696	3004	OSCEOLA	AV	4"	UNK
573	5	174862	2826	LUNA	AV	4"	UNK
574	4	174963	2629	HAVASUPAI	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
575	13	175440	2963	LUNA	AV	4"	UNK
576	7	175730	4624	FARGO	AV	4"	UNK
577	15	176027	3022	JEMEZ	DR	4"	UNK
578	15	176108	3021	JEMEZ	DR	4"	UNK
579	16	176777	4680	LISANN	ST	4"	UNK
580	17	176792	4552	HIDALGO	AV	4"	UNK
581	18	176812	3050	HIDAS	AV	4"	UNK
582	16	176906	4670	LEATHERS	ST	4"	UNK
583	16	176919	4673	LEATHERS	ST	4"	UNK
584	16	177115	4664	LISANN	ST	4"	UNK
585	16	177314	4647	LISANN	ST	4"	UNK
586	17-18	177322	3057	FAWN	AV	4"	UNK
587	17-18	177363	3067	FAWN	AV	4"	UNK
588	16-23	177435	4635	LISANN	ST	4"	UNK
589	16-23	177499	4641	LEATHERS	ST	4"	UNK
590	23	177694	4617	LISANN	ST	4"	UNK
591	17-24-25	177721	3022	ABER	ST	4"	UNK
592	17-24	177752	2951	ABER	ST	4"	UNK
593	23	177932	4604	LISANN	ST	4"	UNK
594	23	178035	4604	LEATHERS	ST	4"	UNK
595	23	178090	4586	LISANN	ST	4"	UNK
596	30	178261	3384	KAROK	AV	4"	UNK
597	25	178298	4539	JUTLAND	DR	4"	UNK
598	23	178397	2841	ARIANE	DR	4"	UNK
599	23	178410	4562	LISANN	ST	4"	UNK
600	24-25-26	178469	4550	JUTLAND	PL	4"	UNK
601	29	178487	3315	KAROK	AV	4"	UNK
602	24-25-26	178515	4581	JUTLAND	PL	4"	UNK
603	24-25-26	178543	4549	JUTLAND	PL	4"	UNK
604	30	178653	3358	LA JUNTA	AV	4"	UNK
605	29-30	178654	3340	LA JUNTA	AV	4"	UNK
606	29	178900	3315	LA JUNTA	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
607	29-31	178991	4578	JICARILLO	AV	4"	UNK
608	30-31	179109	3336	HOPI	PL	4"	UNK
609	27	179209	2812	ARCOLA	AV	4"	UNK
610	27	179243	2780	ARCOLA	AV	4"	UNK
611	30-31-32	179295	3365	HOPI	PL	4"	UNK
612	29-31	179328	4560	JICARILLO	AV	4"	UNK
613	29-30-31-32	179414	4542	KAMLOOP	AV	4"	UNK
614	26-27	179577	2881	ARCOLA	AV	4"	UNK
615	26-27	179654	2909	ARCOLA	AV	4"	UNK
616	31	179696	4521	JICARILLO	AV	4"	UNK
617	31-32	179794	4523	LA CROSSE	AV	4"	UNK
618	31	180017	3270	KEOKUK	CT	4"	UNK
619	31	180037	3291	KEOKUK	CT	4"	UNK
620	32	180274	4450	MORAGA	AV	4"	UNK
621	32	180534	4422	MORAGA	AV	4"	UNK
622	32	180630	4412	MORAGA	AV	4"	UNK
623	12	302712	4985	SUNLINE	AV	4"	UNK
624	12	302732	4979	SUNLINE	AV	4"	UNK
625	2	302817	2694	WYANDOTTE	AV	4"	UNK
626	2	302908	2695	WYANDOTTE	AV	4"	UNK
627	9	302914	4901	GALLATIN	WY	4"	UNK
628	9	302928	4867	GALLATIN	WY	4"	UNK
629	12	303014	4948	SUNLINE	AV	4"	UNK
630	2	303053	2716	TONTO	WY	4"	UNK
631	2-4	303103	2682	TONTO	WY	4"	UNK
632	11-12	303156	4888	HIDALGO	AV	4"	UNK
633	1-4	303225	4851	MONONGAHELA	ST	4"	UNK
634	12-14	303342	3012	OSCEOLA	AV	4"	UNK
635	2-4	303427	2654	HAVASUPAI	AV	4"	UNK
636	11-14	303449	4866	HIDALGO	AV	4"	UNK
637	8	303453	2882	LUNA	AV	4"	UNK
638	4	303486	2641	HAVASUPAI	AV	4"	UNK



Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
639	5	303513	2817	LUNA	AV	4"	UNK
640	8-13	303547	2890	LUNA	AV	4"	UNK
641	11-14	303645	4824	HIDALGO	AV	4"	UNK
642	13-14-15	303785	2991	MASSASOIT	AV	4"	UNK
643	15	304178	3084	LUNA	AV	4"	UNK
644	16	304676	4687	LEATHERS	ST	4"	UNK
645	17	304719	4604	HIDALGO	AV	4"	UNK
646	19	305105	3154	HIDAS	AV	4"	UNK
647	18-25	305269	4603	GUILTOY	CT	4"	UNK
648	19	305293	4661	JUTLAND	DR	4"	UNK
649	17-24	305335	2932	ABER	ST	4"	UNK
650	17-24-25	305342	3014	ABER	ST	4"	UNK
651	17-24	305346	2924	ABER	ST	4"	UNK
652	23	305373	4626	LEATHERS	ST	4"	UNK
653	19	305385	4645	JUTLAND	DR	4"	UNK
654	25	305542	4573	JUTLAND	DR	4"	UNK
655	23	305714	4579	LEATHERS	ST	4"	UNK
656	30	305808	3359	KAROK	AV	4"	UNK
657	23	305980	4546	LISANN	ST	4"	UNK
658	30	306128	3383	LA JUNTA	AV	4"	UNK
659	30	306131	3347	LA JUNTA	AV	4"	UNK
660	29	306210	4584	JICARILLO	AV	4"	UNK
661	29-30-31	306368	3328	HOPI	PL	4"	UNK
662	30-31-32	306396	3372	HOPI	PL	4"	UNK
663	26-27	306776	4433	JUTLAND	DR	4"	UNK
664	31-32	306861	4518	LA CROSSE	AV	4"	UNK
665	31-32	306890	4517	LA CROSSE	AV	4"	UNK
666	28	375005	4695	MORENA	BL	4"	UNK
667	10	173103	5061	ARROYO LINDO	AV	4"	UNK
668	10	173207	5045	ARROYO LINDO	AV	4"	UNK
669	9	173673	4940	DELLA	PL	4"	UNK
670	12	173800	4994	SUNLINE	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
671	12	173924	4973	SUNLINE	AV	4"	UNK
672	2	173929	2714	WYANDOTTE	AV	4"	UNK
673	12	173948	4931	HIDALGO	AV	4"	UNK
674	2	173951	2702	WYANDOTTE	AV	4"	UNK
675	12	173999	4961	SUNLINE	AV	4"	UNK
676	11-12	174180	4903	HIDALGO	AV	4"	UNK
677	2	174210	2738	TONTO	WY	4"	UNK
678	3	174212	2845	WYANDOTTE	AV	4"	UNK
679	9-11	174215	2924	HAVASUPAI	AV	4"	UNK
680	1-4	174265	2622	WYANDOTTE	AV	4"	UNK
681	12	174299	4940	SUNLINE	AV	4"	UNK
682	9-11	174322	2951	HAVASUPAI	AV	4"	UNK
683	2	174337	2729	TONTO	WY	4"	UNK
684	1-4	174392	2615	WYANDOTTE	AV	4"	UNK
685	11-12	174443	2970	HAVASUPAI	AV	4"	UNK
686	8	174492	2872	HAVASUPAI	AV	4"	UNK
687	12-14	174640	4909	SUNLINE	AV	4"	UNK
688	11-12-14	174654	2981	HAVASUPAI	AV	4"	UNK
689	8	174779	4765	GALLATIN	WY	4"	UNK
690	5	174863	2818	LUNA	AV	4"	UNK
691	2-4	174888	2626	HAVASUPAI	AV	4"	UNK
692	11-13-14-15	175191	2952	MASSASOIT	AV	4"	UNK
693	5	175249	4695	FARGO	AV	4"	UNK
694	5	175280	2761	POWHATAN	AV	4"	UNK
695	11-13-14-15	175284	2965	MASSASOIT	AV	4"	UNK
696	5	175374	4675	FARGO	AV	4"	UNK
697	6	175592	4790	LEATHERS	ST	4"	UNK
698	6	175605	4789	LEATHERS	ST	4"	UNK
699	7	175669	4634	FARGO	AV	4"	UNK
700	18	176701	4625	HIDALGO	AV	4"	UNK
701	17	176760	4572	HIDALGO	AV	4"	UNK
702	18	176796	3029	HIDAS	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
703	18	177048	3029	GUILTOY	AV	4"	UNK
704	17	177113	4517	HIDALGO	AV	4"	UNK
705	18	177170	3049	GUILTOY	AV	4"	UNK
706	16	177326	4653	LEATHERS	ST	4"	UNK
707	19	177415	4670	JUTLAND	DR	4"	UNK
708	19	177518	3171	HIDAS	AV	4"	UNK
709	25	177764	3030	ABER	ST	4"	UNK
710	23	177919	4611	LEATHERS	ST	4"	UNK
711	25	177974	3060	ABER	ST	4"	UNK
712	25	178079	4559	JUTLAND	DR	4"	UNK
713	25	178166	4551	JUTLAND	DR	4"	UNK
714	25	178239	4545	JUTLAND	DR	4"	UNK
715	29-30	178278	3366	KAROK	AV	4"	UNK
716	29-30	178304	3358	KAROK	AV	4"	UNK
717	23-24	178496	4546	ARIANE	WY	4"	UNK
718	29	178537	3284	KAROK	AV	4"	UNK
719	25-26	178565	4519	JUTLAND	DR	4"	UNK
720	29	178569	3307	KAROK	AV	4"	UNK
721	24-25-26	178578	4540	JUTLAND	PL	4"	UNK
722	24	178643	4522	ARIANE	WY	4"	UNK
723	25-26	178657	4510	JUTLAND	DR	4"	UNK
724	25-26	178730	4504	JUTLAND	DR	4"	UNK
725	23	178746	4531	LISANN	ST	4"	UNK
726	29-30	178811	3333	LA JUNTA	AV	4"	UNK
727	26-27	178978	4506	JUTLAND	DR	4"	UNK
728	26	179157	3077	JUTLAND	CT	4"	UNK
729	30-31-32	179397	4541	KAMLOOP	AV	4"	UNK
730	31-32	179637	4530	LA CROSSE	AV	4"	UNK
731	26-27	179641	2926	ARCOLA	AV	4"	UNK
732	10	302262	5052	ARROYO LINDO	AV	4"	UNK
733	9	302560	2909	EDELL	PL	4"	UNK
734	12	302685	4976	ARROYO LINDO	AV	4"	UNK

Appendix G – Sewer Lateral Pipeline Rehabilitation Scope of Work AR-1 Spreadsheets

	A	B	C	D	E	F	G
735	9	302781	4930	GALLATIN	WY	4"	UNK
736	12	302855	4934	ARROYO LINDO	AV	4"	UNK
737	9	302904	4909	GALLATIN	WY	4"	UNK
738	3	303029	2827	WYANDOTTE	AV	4"	UNK
739	11-12	303071	4911	ARROYO LINDO	AV	4"	UNK
740	8-9-11	303092	2918	HAVASUPAI	AV	4"	UNK
741	2-4	303175	2652	TONTO	WY	4"	UNK
742	12-14	303279	4902	SUNLINE	AV	4"	UNK
743	8	303282	2867	HAVASUPAI	AV	4"	UNK
744	2-4	303295	2645	TONTO	WY	4"	UNK
745	4	303365	4838	MONONGAHELA	ST	4"	UNK
746	5	303519	2825	LUNA	AV	4"	UNK
747	5	303668	2766	POWHATAN	AV	4"	UNK
748	5	303677	4681	EL PENON	WY	4"	UNK

## APPENDIX H

### SEWER MANHOLE PIPELINE REHABILITATION AR-1 SPREADSHEETS

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**Manhole Replace**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	23	76137			CONC	No	Yes			204.65	7
2	23-24	76141			CONC	No	Yes			246.87	8
3	16	76145			CONC	No	Yes			227.89	8
4	16	76154			CONC	No	Yes			270.16	8
5	6	76164			CONC	No	Yes			303.82	7
6	24	81517			CONC	No	Yes			277.34	8
7	29-30	81665			CONC	No	Yes			308.04	21

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**Manhole Rehab**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	20	76135			CONC	No	Yes			66.96	28
2	20	76136			CONC	No	Yes			79.3	25
3	23	76138			CONC	No	Yes			214.94	8
4	28	76324			CONC	No	Yes			85.05	7
5	28	76327			CONC	No	Yes			86.05	7
6	28	76331			CONC	No	Yes			91.12	5
7	28	76332			CONC	No	Yes			119.53	5
8	22	76352			CONC	No	Yes			129.48	7
9	24	81516			CONC	No	Yes			264.98	8
10	25	81588			CONC	No	Yes			289.28	7
11	26	81596			CONC	No	Yes			294.6	6
12	26	81597			CONC	No	Yes			282.81	17
13	26-27	81603			CONC	No	Yes			265.12	14
14	32	81659			CONC	No	Yes			319.79	7
15	31	81661			CONC	No	Yes			309.68	12
16	31	81662			CONC	No	Yes			313.6	7
17	29-31	81664			CONC	No	Yes			308.89	16
18	30	81666			CONC	No	Yes			307.38	19
19	30	81667			CONC	No	Yes			306.67	21
20	30	81670			CONC	No	Yes			304.17	14
21	29	81678			CONC	No	Yes			318.92	5
22	29	81680			CONC	No	Yes			323.38	6

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**Manhole Rehab**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
23	29	81681			CONC	No	Yes			323.75	6
24	29	81682			CONC	No	Yes			322.28	6
25	13	81287			CONC	No	Yes			329.49	15
26	8	81288			CONC	No	Yes			341.98	6
27	13	81289			CONC	No	Yes			328.51	16
28	13	81290			CONC	No	Yes			327.33	20
29	11-12	81310			CONC	No	Yes			322.4	13
30	16	76143			CONC	No	Yes			253	8

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**Manhole Repair**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	23	76139			CONC	No	Yes			226.07	9
2	23	76344			CONC	No	Yes			217.07	8
3	26-27	81602			CONC	No	Yes			281.85	6
4	27	81605			CONC	No	Yes			263.18	5
5	8	81285			CONC	No	Yes			330.36	15

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**New Manhole**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	12	81592			CONC	No	Yes			339.22	6
2	24	81600			CONC	No	Yes			236.46	6

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**Point Repair**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	28	8369			UNK	No	Yes				
2	1	8129			VC	No	Yes				
3	12	13526			VC	No	Yes				
4	9	13473			VC	No	Yes				
5	11-12	13784			VC	No	Yes				
6	22	8388			VC	No	Yes				
7	13	13493			VC	No	Yes				
8	13	13492			VC	No	Yes				
9	32	13851			VC	No	Yes				

**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**New Cleanout**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
1	4	76089				No	Yes			345.89	4
2	1-4	76092				No	Yes			353.14	6
3	1	76103				No	Yes			356.72	5
4	2	76106				No	Yes			352.8	4
5	27	76341				No	Yes			257.46	6
6	23	76346				No	Yes			202.07	9
7	9	81270				No	Yes			338.19	7
8	9	81275				No	Yes			339.21	4
9	14	81291				No	Yes			346.55	6
10	8	81296				No	Yes			348.62	6
11	8-11	81297				No	Yes			349.01	6
12	12	81317				No	Yes			336.75	6
13	12	81322				No	Yes			336.59	3
14	10	81327				No	Yes			338.61	6
15	18	81507				No	Yes			333.38	5
16	17	81515				No	Yes			329.12	5
17	24	81520				No	Yes			283.57	8
18	25	81522				No	Yes			284.05	8
19	25	81523				No	Yes			286.46	6
20	18	81525				No	Yes			330.61	5
21	15	81563				No	Yes			346.84	6



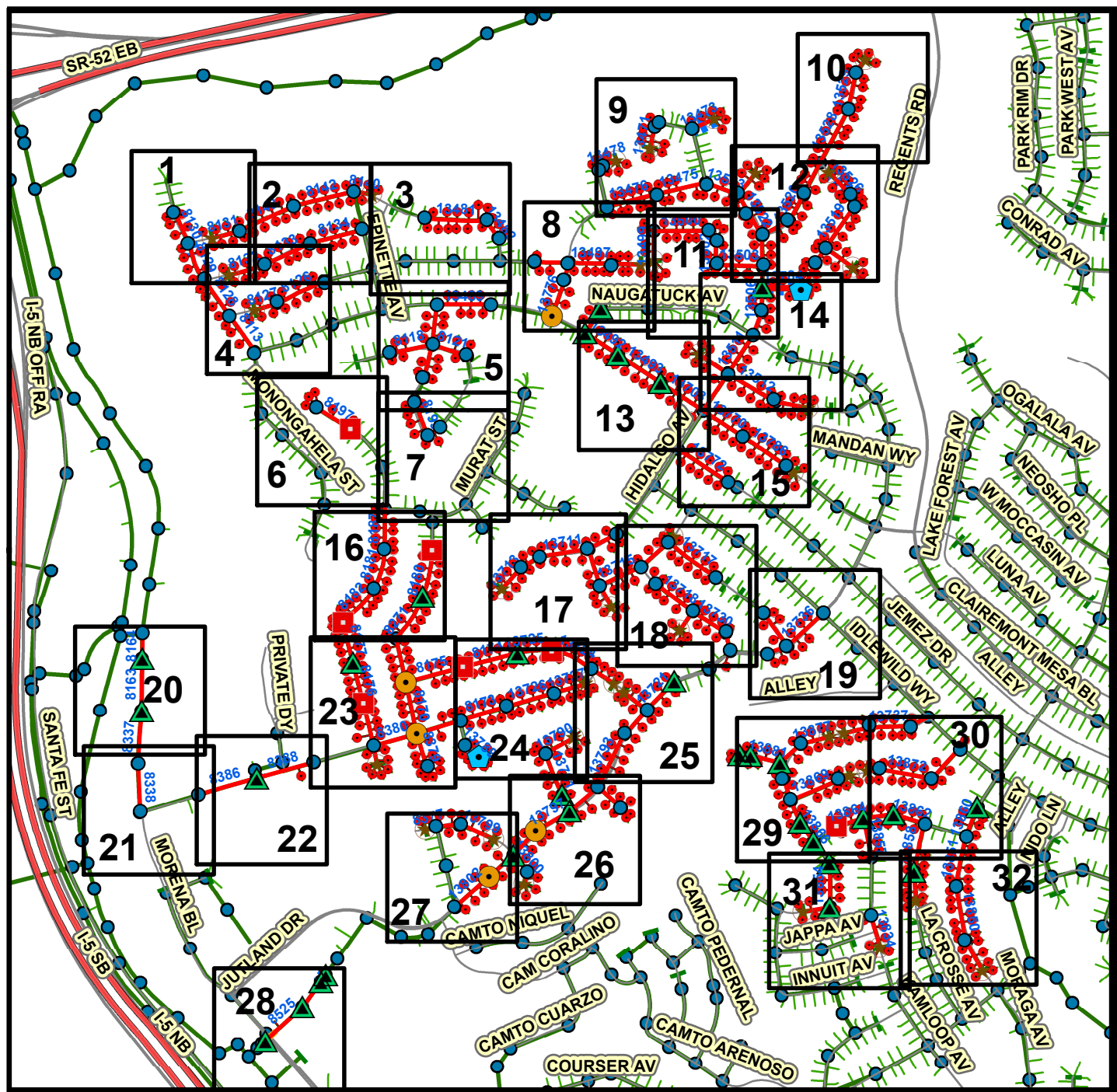
**Scope Of Work Pipeline Rehabilitation AR-1 / WBS.No. B-17150**

**New Cleanout**

#	PLAN MAP SHT #	FSN	ADDITIONAL NOTES	EX MH ID#	MATERIAL	OVERLAY	SLURRY	START	END	IE QTY	DEPTH QTY
22	14	81571				No	Yes			349.31	6
23	12	81584				No	Yes			335.37	5
24	9	81586				No	Yes			337.31	4
25	17-18	81591				No	Yes			329.31	5
26	24	81599				No	Yes			301.65	6
27	27	81601				No	Yes			267.93	6
28	26-27	81604				No	Yes			266.01	5
29	31	81634				No	Yes			314.2	6
30	31	81638				No	Yes			320.62	7
31	31-32	81651				No	Yes			317.51	7
32	32	81657				No	Yes			322.67	6
33	30	81674				No	Yes			323.72	5
34	29	81675				No	Yes			324.19	6
35	29	81684				No	Yes			325.72	5
36	29	81685				No	Yes			324.91	5

**APPENDIX I**  
**SITE MAPS**

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The City of **SAN DIEGO** Public Works

**PIPELINE REHABILITATION AR-1**  
 COMMUNITY NAME: CLAREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
 NICOLE SALEM  
 619-533-7443

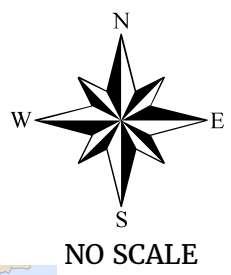
PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

- REPLACE MANHOLE
- REPAIR MANHOLE
- ▲ REHAB MANHOLE
- ◆ INSTALL NEW MANHOLE
- ★ INSTALL NEW CLEANOUT
- MANHOL
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAJOR ROAD
- MAIN
- LATERAL
- SEWER NODE
- ▬▬▬ POINT REPAIR
- SHEET LOCATION



KEY MAP

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PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

**LEGEND:**

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB SEWER LATERAL
- MAIN
- LATERAL
- POINT REPAIR

WBS:B-17150  
DATE: AUGUST 7, 2019

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NO SCALE

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**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

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 LINA HOSMI  
 619-533-4613

**LEGEND:**

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

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NO SCALE

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### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
NICOLE SALEM  
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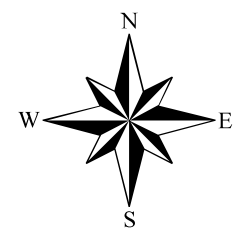
PROJECT MANAGER  
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PROJECT ENGINEER  
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PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

#### LEGEND:

- MABHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL



NO SCALE



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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
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 619-533-5241

Principal Engineering Aide  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

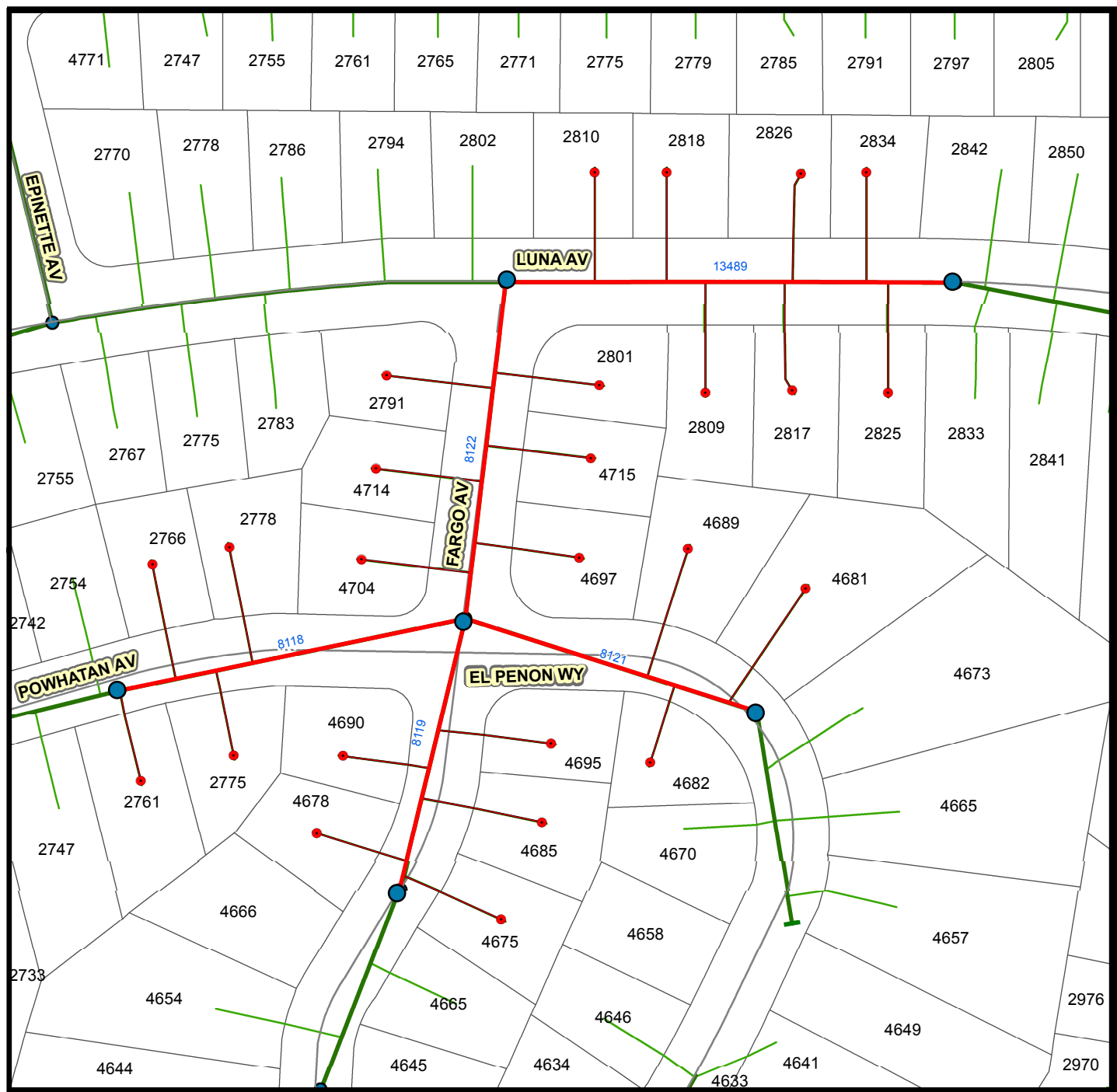
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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

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 BOBAK MADGEDI  
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Principal Engineering Aide  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

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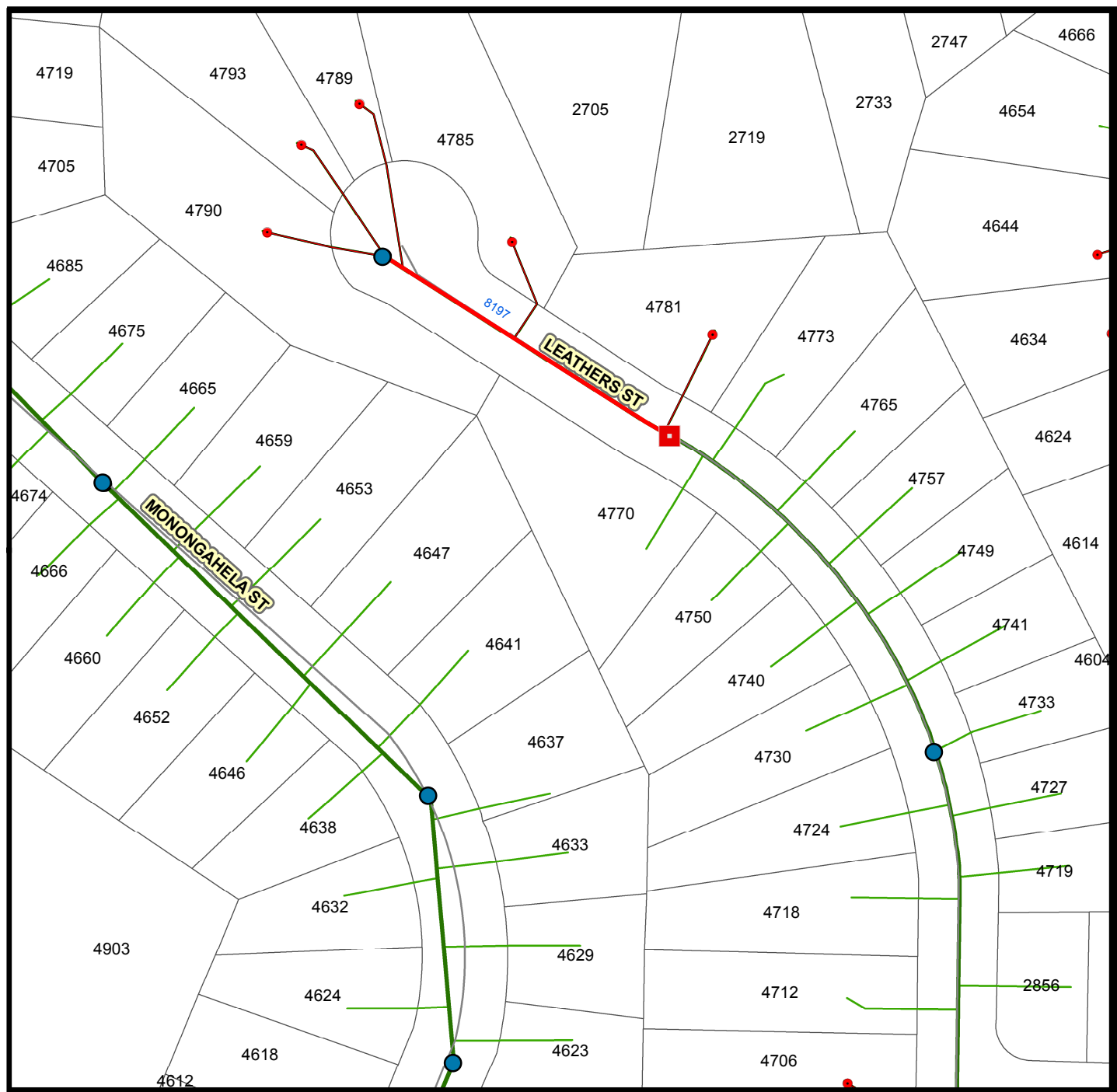
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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
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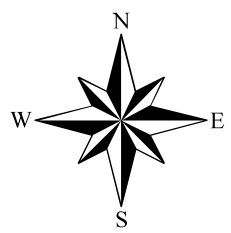
PROJECT MANAGER  
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619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
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#### LEGEND:

- REPLACE MANHOLE
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

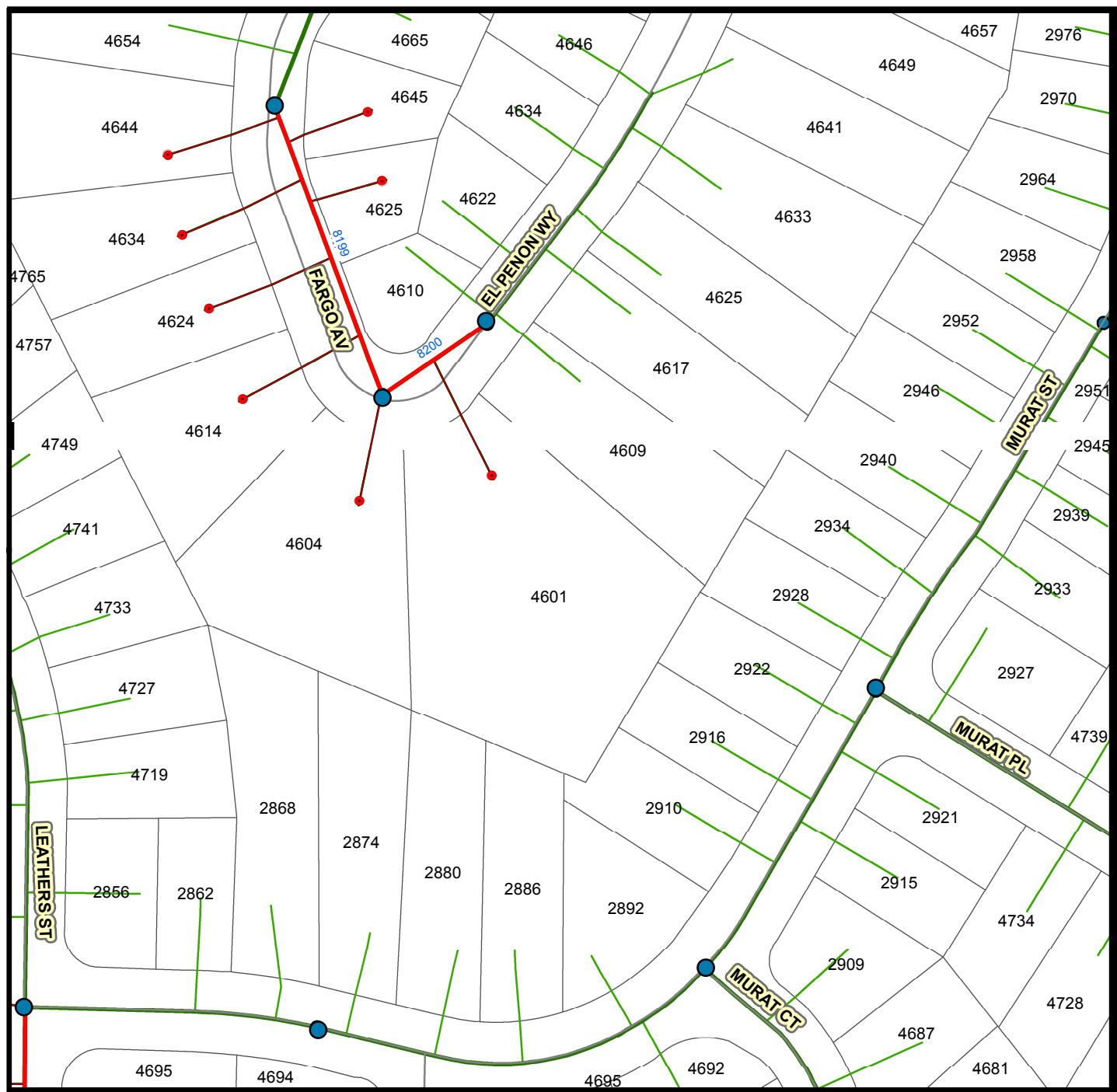


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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

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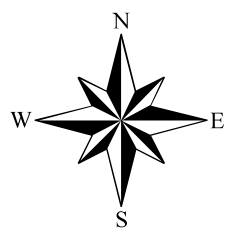
PROJECT MANAGER  
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PRINCIPAL ENGINEERING AIDE:  
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#### LEGEND:

- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL



NO SCALE

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### Pipeline Rehabilitation AR-1

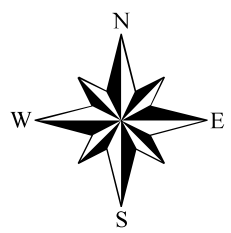
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
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#### LEGEND:

- REHAB MANHOLE
- REPAIR MANHOLE
- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL



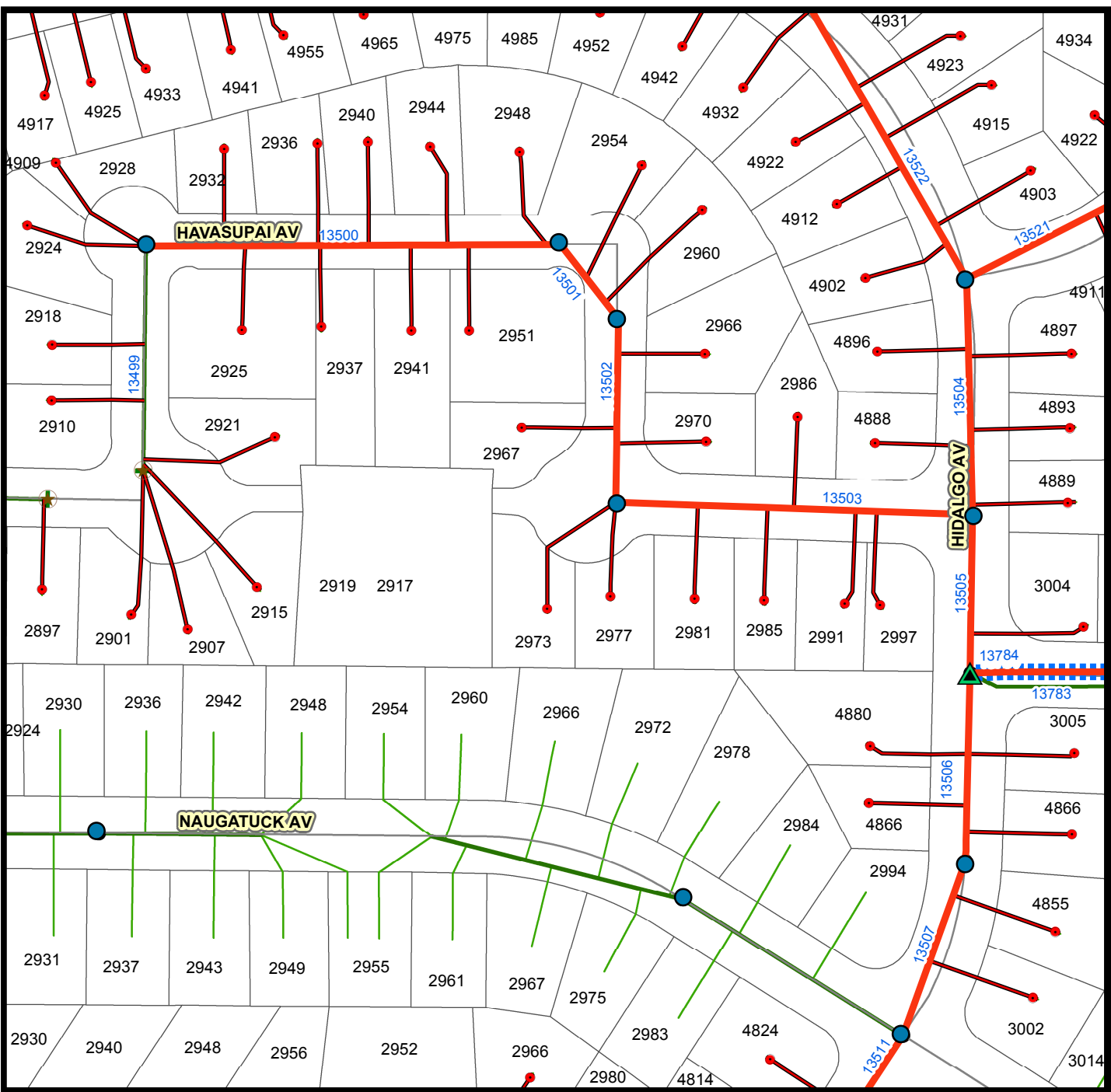
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**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

**Legend**

	REHAB MANHOLE		REHAB LATERAL
	INSTALL NEW CLEANOUT		MAIN
	MANHOLE		LATERAL
	PLUG		POINT REPAIR
	REHAB SEWER MAIN		

NO SCALE

**EXHIBIT**

**SHEET NO. 11**

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**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

**Legend**

	REHAB MANHOLE		REHAB SEWER MAIN
	INSTALL NEW MANHOLE		REHAB LATERAL
	INSTALL NEW CLEANOUT		MAIN
	MANHOLE		LATERAL
	PLUG		POINT REPAIR

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NO SCALE

**EXHIBIT**

**SHEET NO. 12**

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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

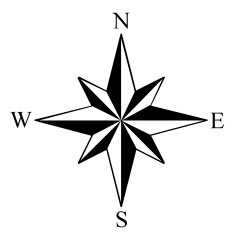
SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

- Legend**
- REHAB MANHOLE
  - INSTALL NEW CLEANOUT
  - PLUG
  - REHAB SEWER MAIN
  - REHAB LATERAL
  - MAIN
  - LATERAL
  - POINT REPAIR



NO SCALE

EXHIBIT

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SENIOR ENGINEER  
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PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

**Legend**

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

WBS:B-17150  
DATE: AUGUST 7, 2019

N  
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NO SCALE

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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

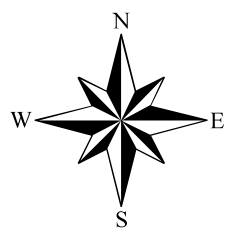
PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDJI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

#### Legend

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL



NO SCALE

EXHIBIT

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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

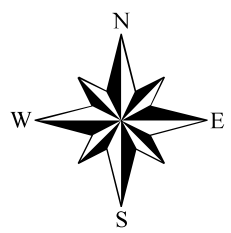
PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

#### LEGEND:

- REHAB MANHOLE
- REPLACE MANHOLE
- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

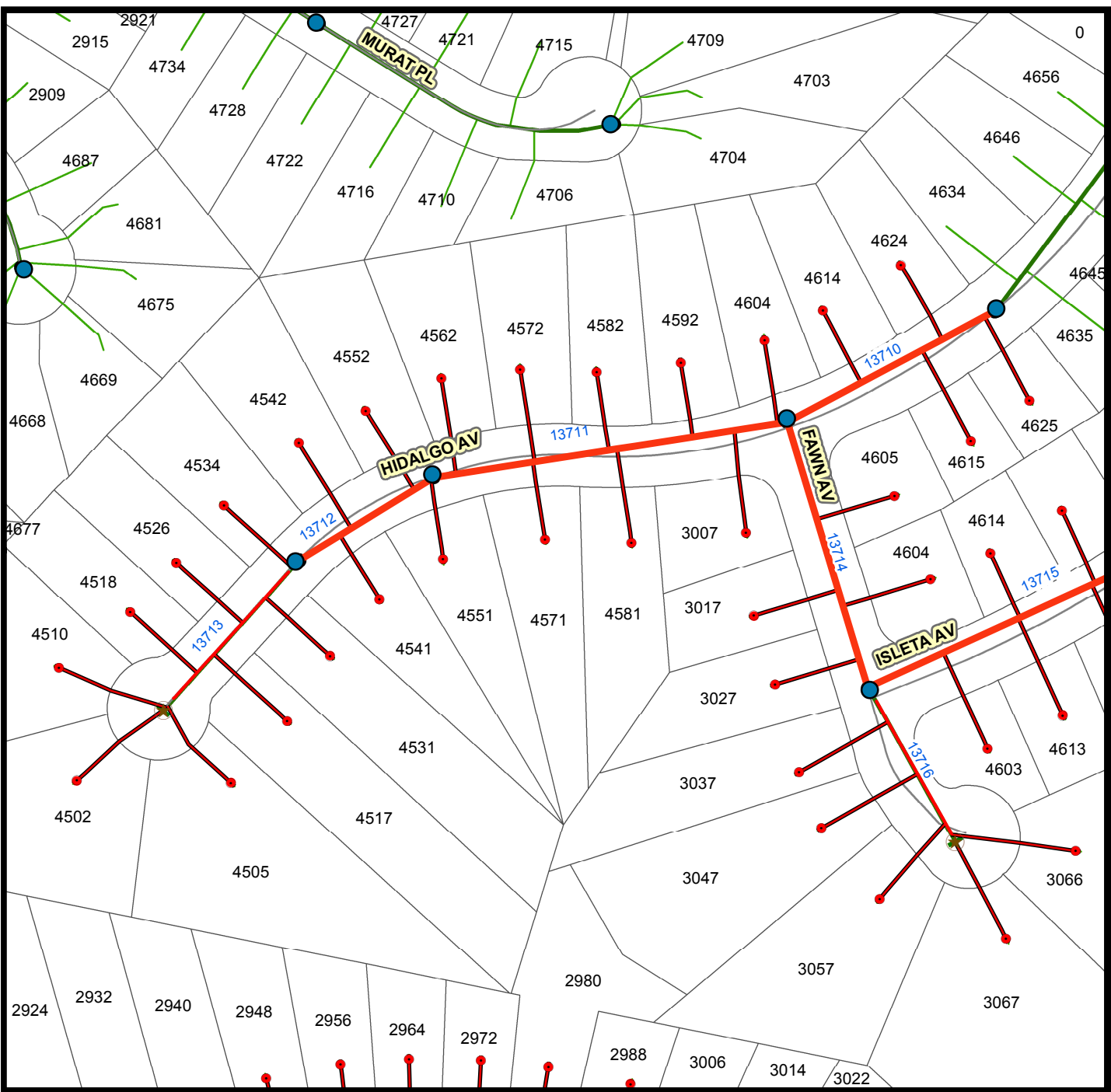


NO SCALE

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SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

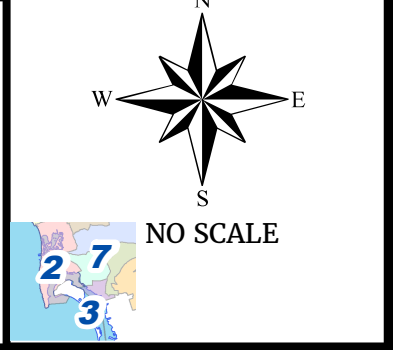
PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

- Legend**
- INSTALL NEW CLEANOUT
  - MANHOLE
  - PILUG
  - REHAB SEWER MAIN
  - REHAB LATERAL
  - MAIN
  - LATERAL



**EXHIBIT**

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619-533-7443

PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

**Legend**

- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

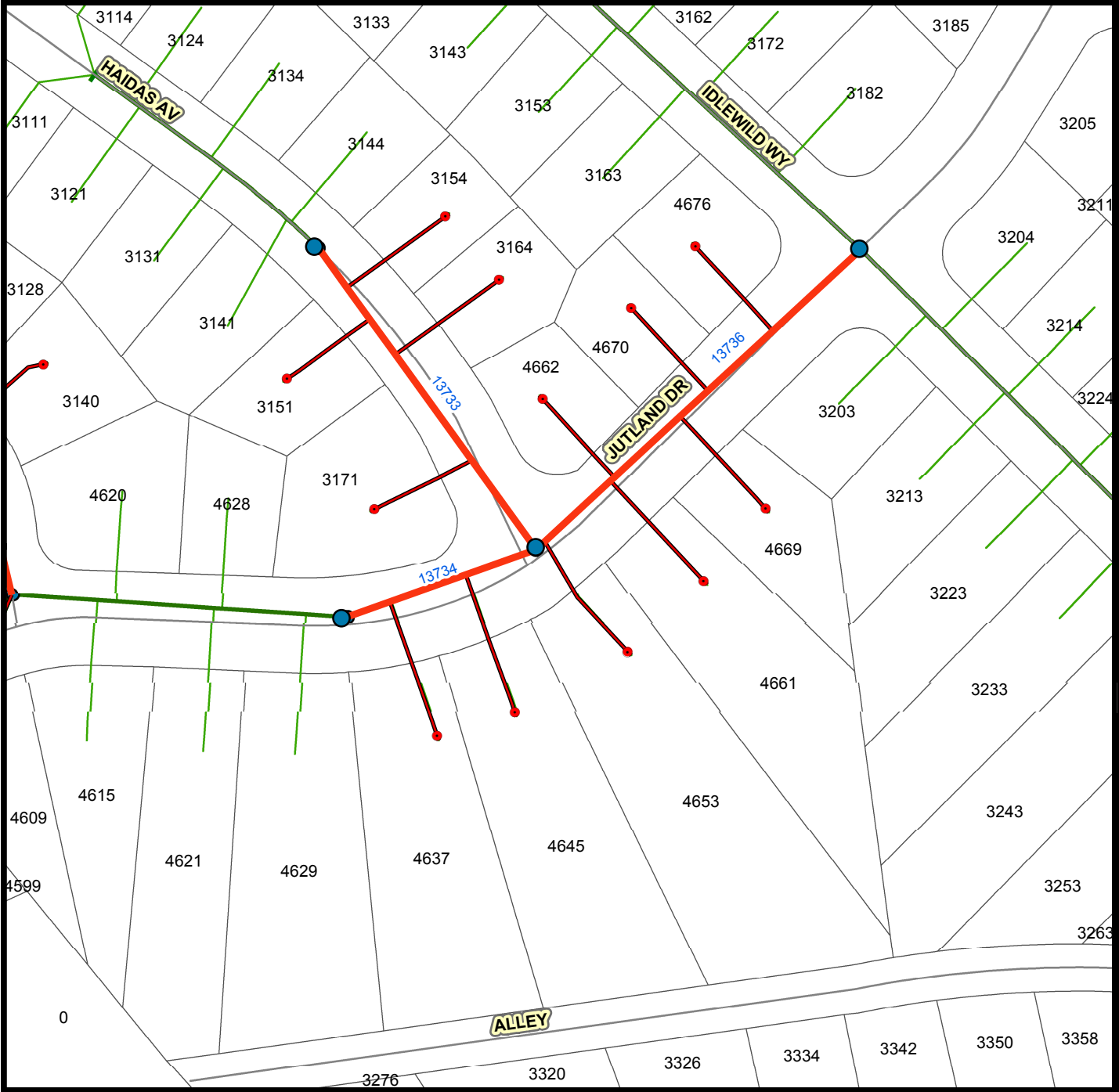
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NO SCALE

**EXHIBIT**

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 619-533-4639







PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

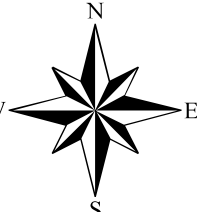
PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2


WBS:B-17150  
 DATE: SUGUST 7, 2019

**Legend**

-  MANHOLE
-  PLUG
-  REHAB SEWER MAIN
-  REHAB LATERAL
-  MAIN
-  LATERAL



NO SCALE



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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
NICOLE SALEM  
619-533-7443

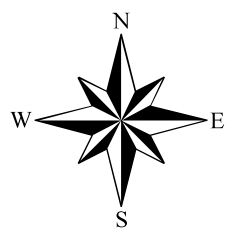
PROJECT MANAGER  
JAMAL SHERZAI  
619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

#### Legend

- REHAB MANHOLE
- Manholes
- Plugs
- REHAB SEWER MAIN
- Mains

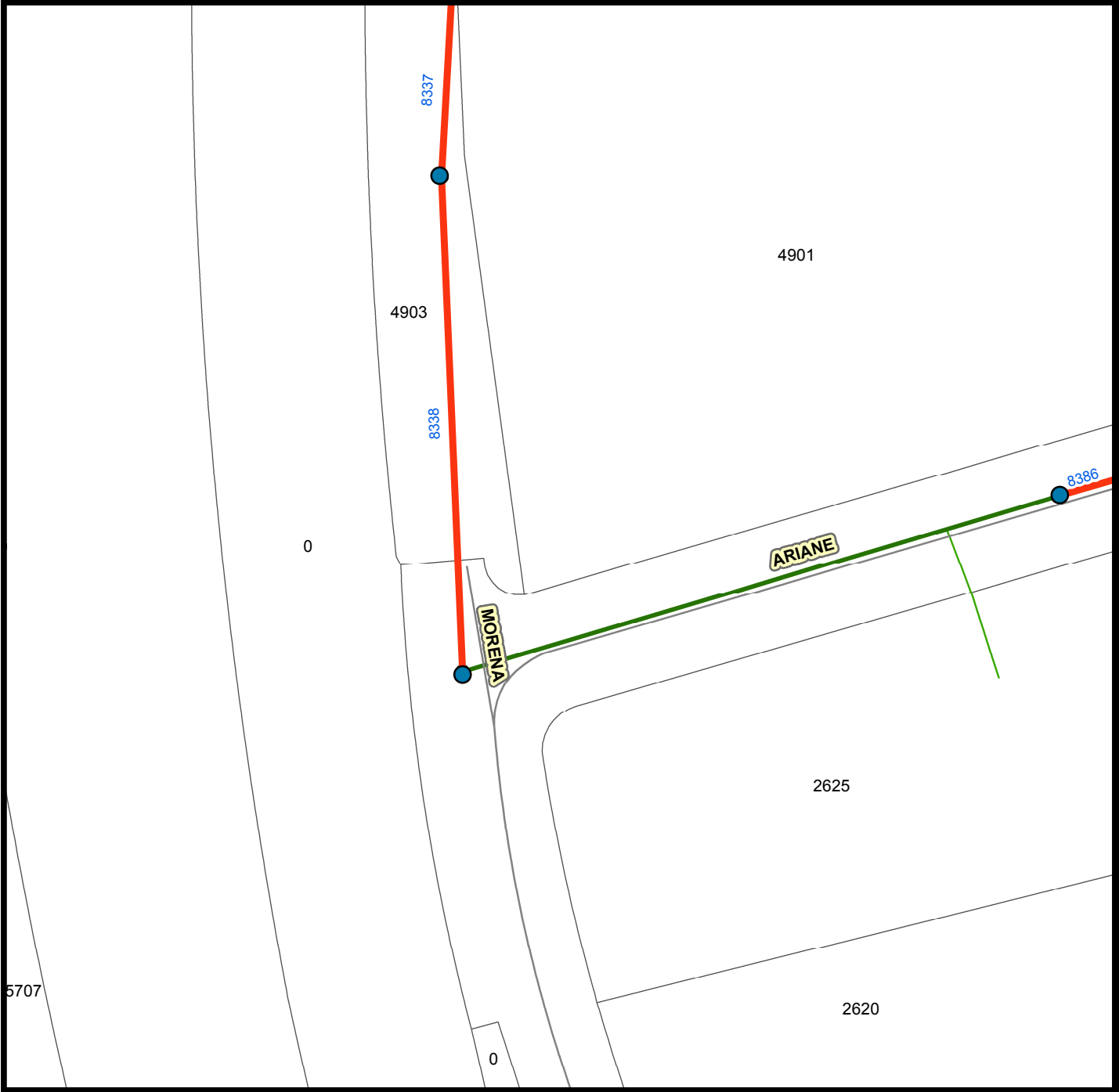


NO SCALE

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
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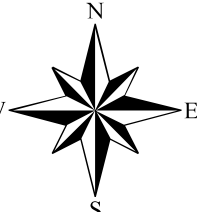
PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDJI  
 619-533-5241


PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**Legend**

- MANHOLE
- REHAB SEWER MAIN
- MAIN
- LATERL

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NO SCALE

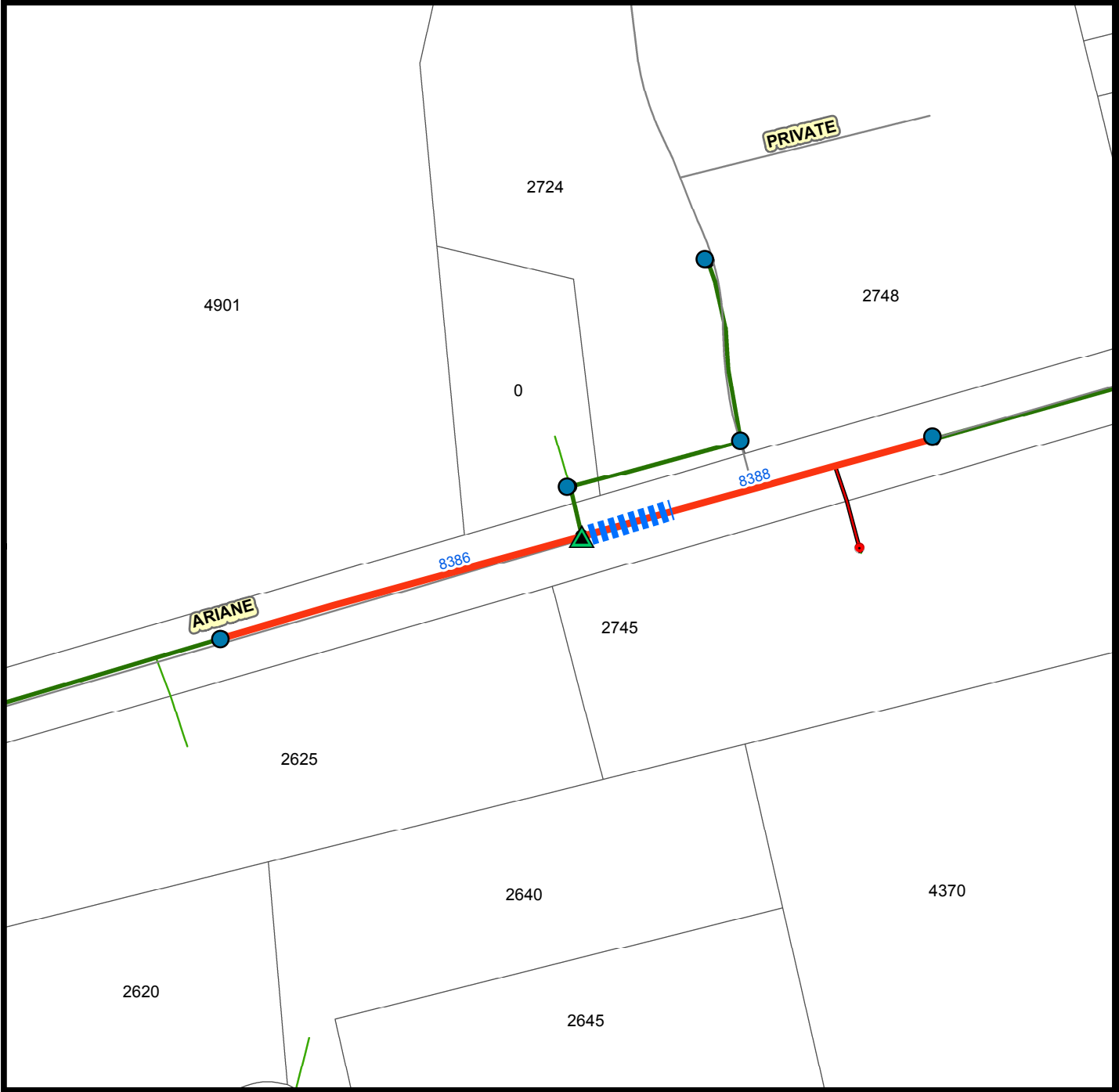


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619-533-7443

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619-533-4639

PROJECT ENGINEER  
BOBAK MADGEDDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**Pipeline Rehabilitation AR-1**  
COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

**Legend**

- REHAB MANHOLE
- MANHOLE
- PLUG
- REAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL
- POINT REPAIR

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NO SCALE

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
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PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

	REHAB MANHOLE		REHAB SEWER MAIN
	REPAIR MANHOLE		REHAB LATERAL
	REPLACE MANHOLE		MAIN
	INSTALL NEW MANHOLE		LATERAL
	INSTALL NEW CLEANOUT		
	MANHOLE		
	PLUG		

NO SCALE

**EXHIBIT**

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
 NICOLE SALEM  
 619-533-7443

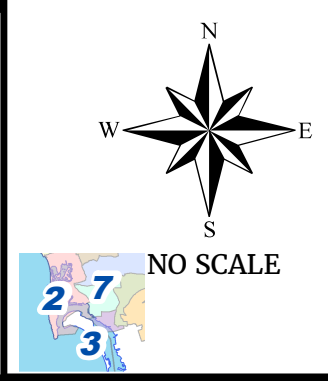
PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDJI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

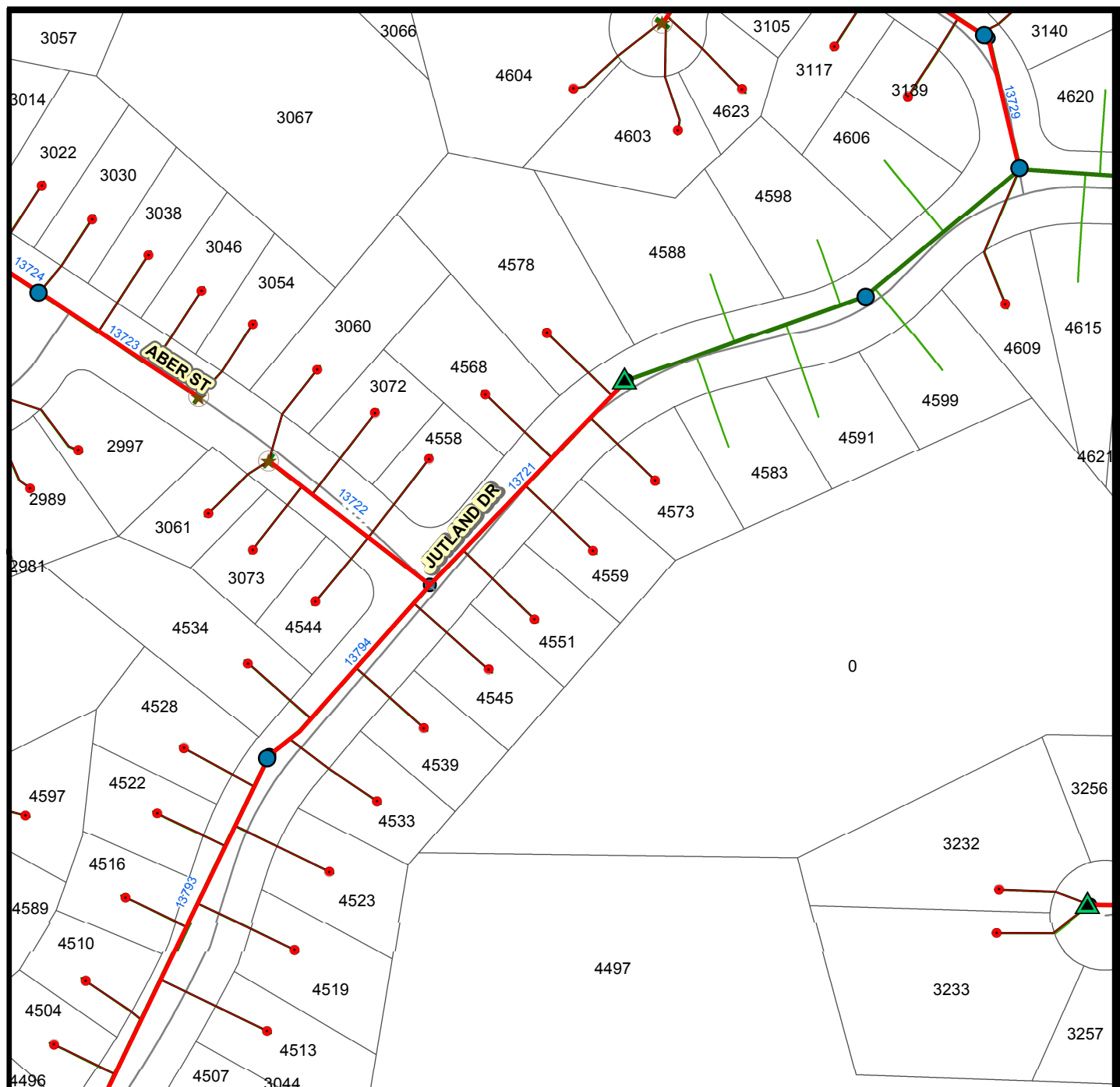
	REHAB MANHOLE		REHAB SEWER LATERAL
	REPAIR MANHOLE		REHAB LATERAL
	REPLACE MANHOLE		MAIN
	INSTALL NEW MANHOLE		LATERAL
	INSTALL NEW CLEANOUT		
	MANHOLE		
	PLUG		



**EXHIBIT**

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
 NICOLE SALEM  
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PROJECT MANAGER  
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 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

- REHAB MANHOLE
- INSTALL NEW CLEANOUT
- MANHOLE
- PLUG
- REHAB SEWER MAIN
- REHAB LATERAL
- MAIN
- LATERAL

NO SCALE

**EXHIBIT**

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
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SENIOR ENGINEER  
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PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

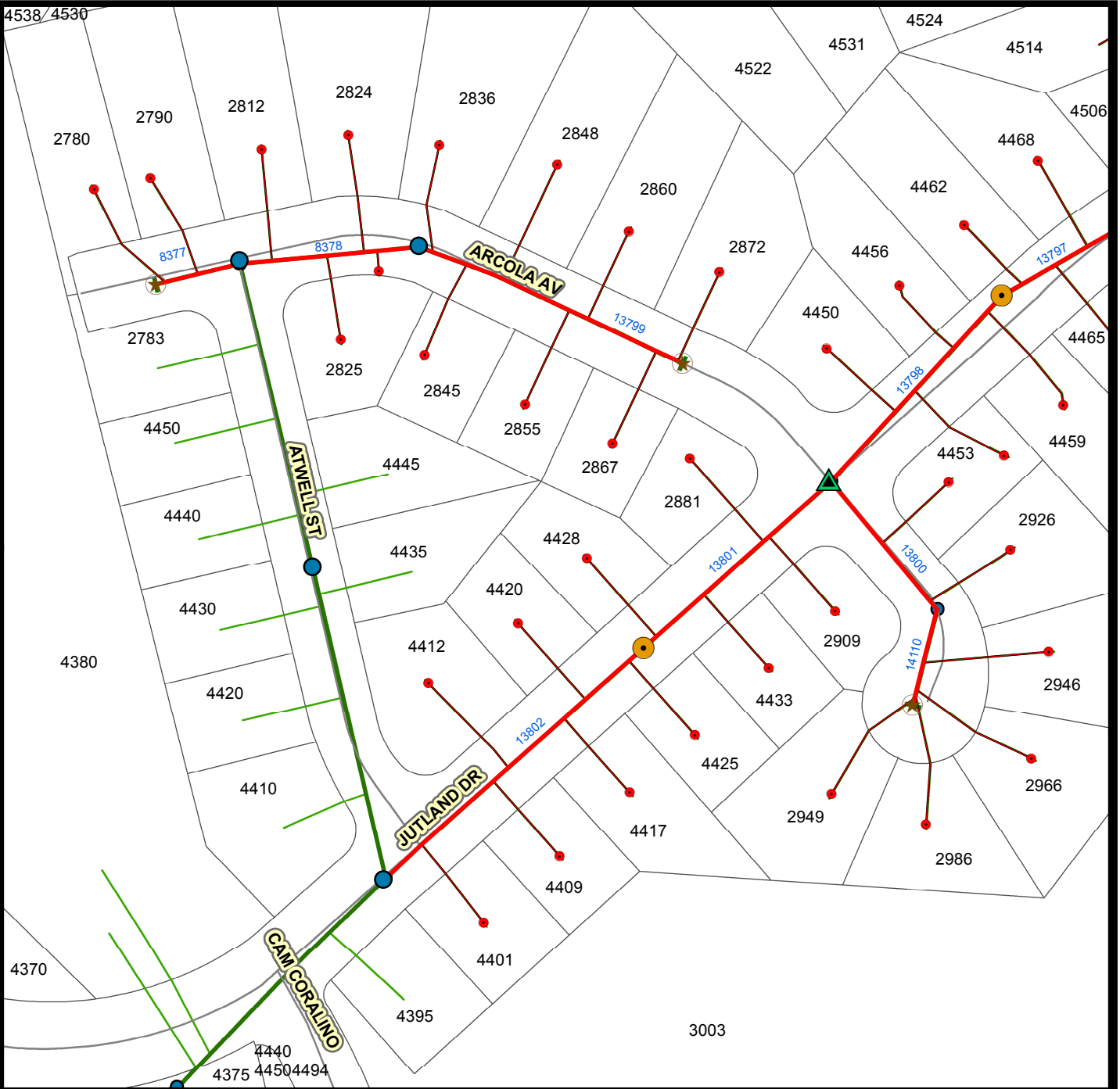
	REHAB MANHOLE		REHAB LATERAL
	REPAIR MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		
	PLUG		
	REHAB SEWER MAIN		

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 NO SCALE

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PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
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**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

**LEGEND:**

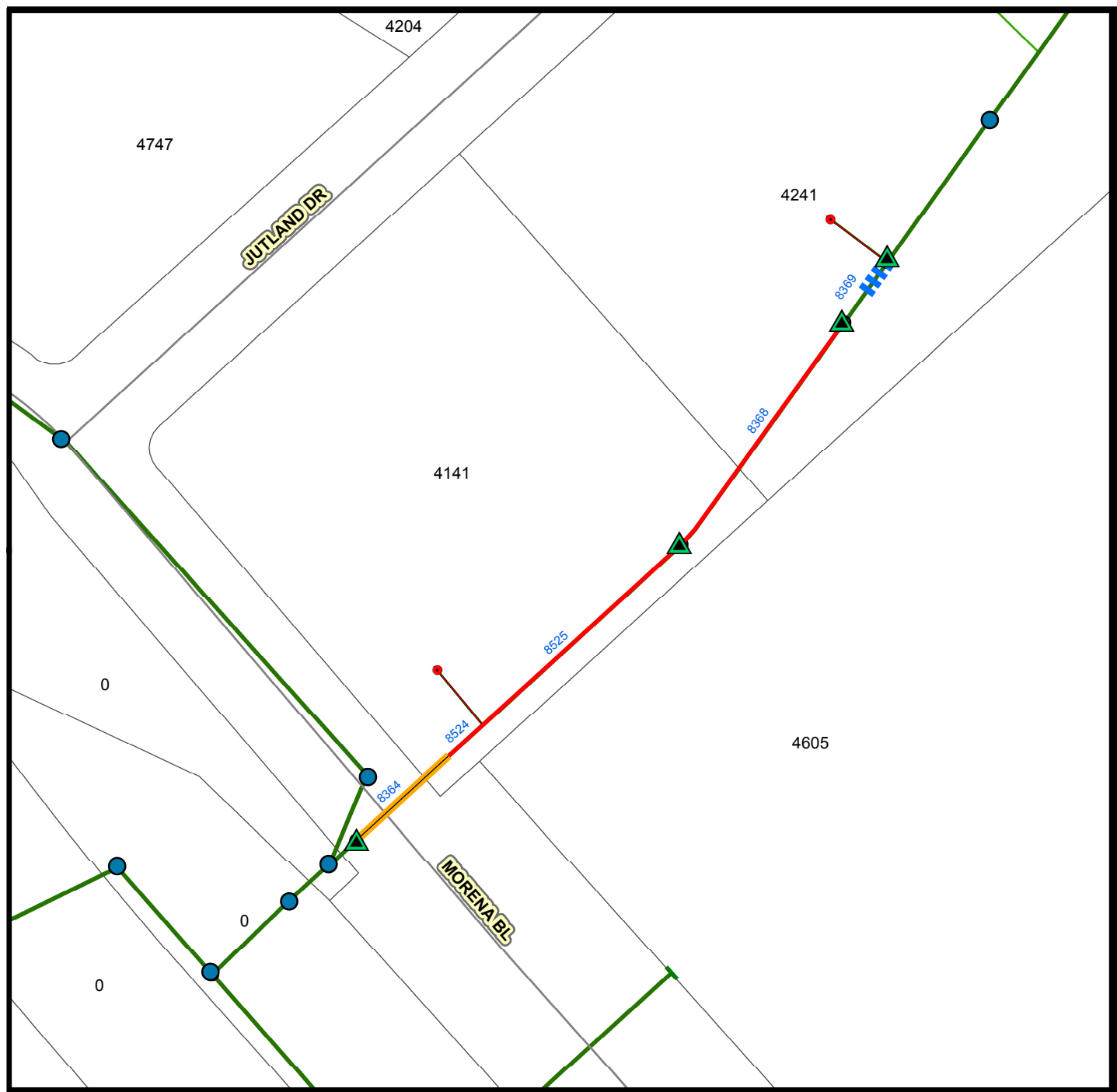
	REHAB MANHOLE		REHAB LATERAL
	REPAIR MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		REHAB SEWER MAIN
	PLUG		

N  
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 NO SCALE

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The City of **SAN DIEGO** Public Works

### Pipeline Rehabilitation AR-1

COMMUNITY NAME: CLAIREMONT MESA  
COUNCIL DISTRICT: 2

WBS:B-17150  
DATE: AUGUST 7, 2019

SENIOR ENGINEER  
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PROJECT ENGINEER  
BOBAK MADGEDI  
619-533-5241

PRINCIPAL ENGINEERING AIDE:  
LINA HOSMI  
619-533-4613

**LEGEND:**

	REHAB MANHOLE		MAIN
	MANHOLE		LATERAL
	PLUG		POINT REPAIR
	SEWER NODE		
	REHAB SEWER MAIN		
	REHAB LATERAL		

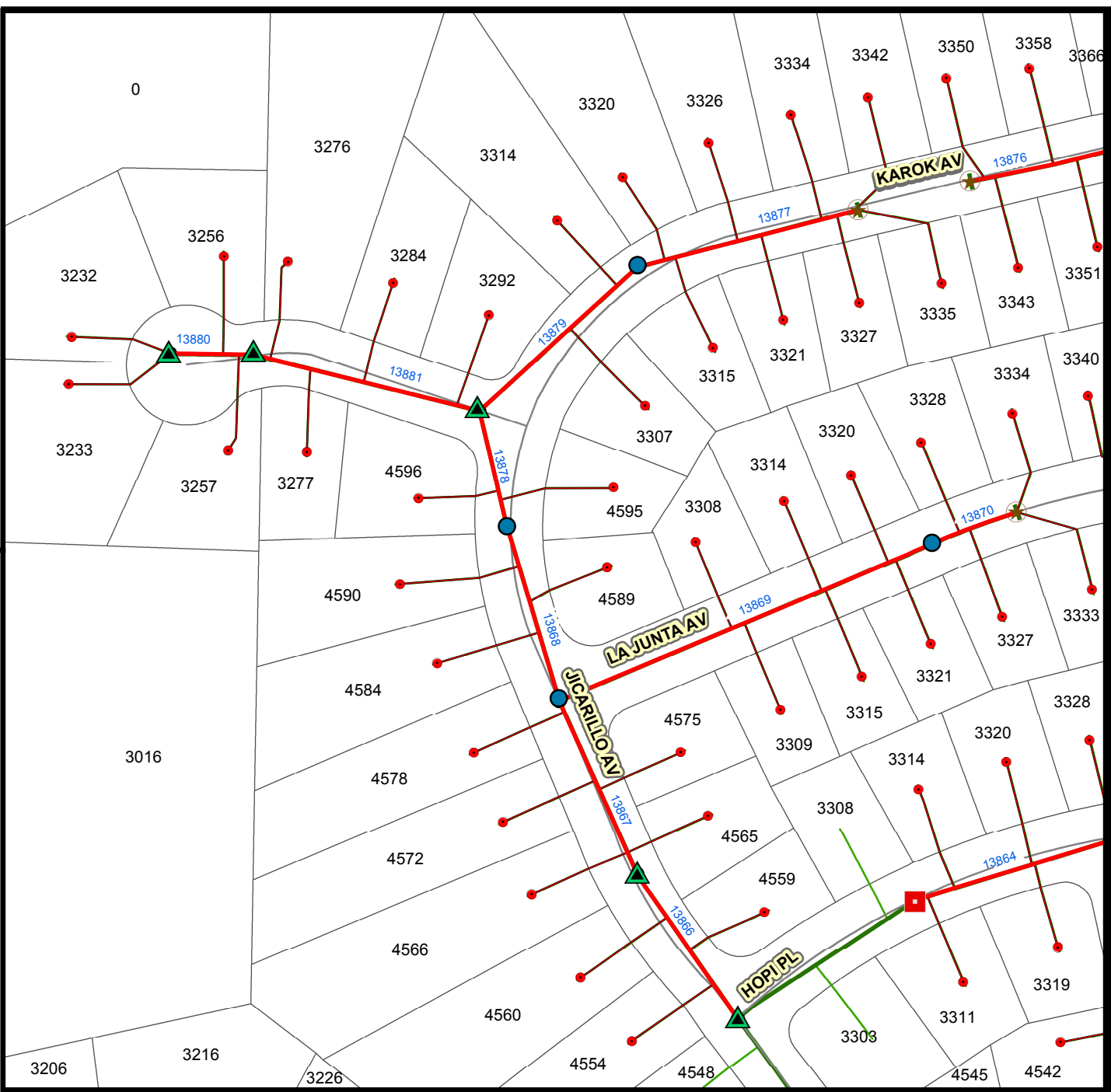
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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
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SENIOR ENGINEER  
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PROJECT ENGINEER  
 BOBAK MADGEDJI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

	REHAB MANHOLE		REHAB LATERAL
	REPLACE MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		POINT REPAIR
	PLUG		REHAB SEWER MAIN

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 NO SCALE

**EXHIBIT**

**SHEET NO. 29**



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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
 NICOLE SALEM  
 619-533-7443

PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

	REHAB MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		
	PLUG		
	REHAB SEWER MAIN		
	REHAB LATERAL		

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NO SCALE

**EXHIBIT**

**SHEET NO. 30**

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**LEGEND:**

	REHAB MANHOLE		MAIN
	INSTALL NEW CLEANOUT		LATERAL
	MANHOLE		
	PLUG		
	REHAB SEWER MAIN		
	REHAB LATERAL		

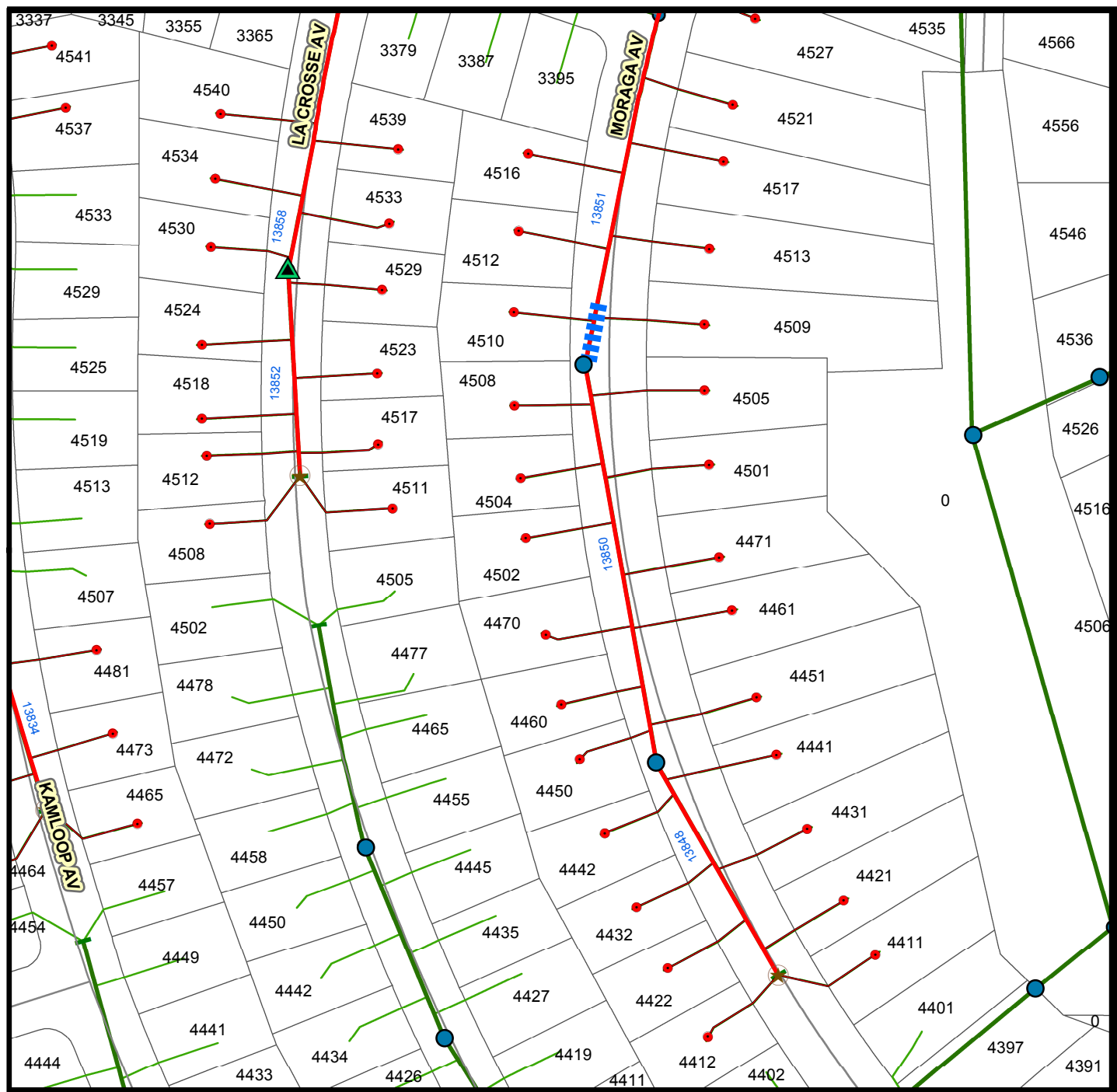
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NO SCALE

**EXHIBIT**

**SHEET NO. 31**

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The City of **SAN DIEGO** Public Works

**Pipeline Rehabilitation AR-1**  
 COMMUNITY NAME: CLAIREMONT MESA  
 COUNCIL DISTRICT: 2

WBS:B-17150  
 DATE: AUGUST 7, 2019

SENIOR ENGINEER  
 NICOLE SALEM  
 619-533-7443

PROJECT MANAGER  
 JAMAL SHERZAI  
 619-533-4639

PROJECT ENGINEER  
 BOBAK MADGEDI  
 619-533-5241

PRINCIPAL ENGINEERING AIDE:  
 LINA HOSMI  
 619-533-4613

**LEGEND:**

	REHAB MANHOLE		MAIN
	INSTALL NE CLEANOUT		LATERAL
	MANHOLE		POINT REPAIR
	PLUG		
	REHAB SEWER MAIN		
	REHAB LATERAL		

N  
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NO SCALE

EXHIBIT

SHEET NO. 32

## CONTRACTOR'S NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILLED WITH THE COUNTY SURVEYOR. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
  
2. CONTRACTOR IS RESPONSIBLE FOR SAFE AND STABLE EXCAVATION IN ALL AREAS INCLUDING BUT NOT LIMITED TO SLIDE PRONE FORMATION AREAS AND HILLSIDE AREAS. CONTRACTOR SHALL MEET THE REQUIREMENTS OF CAL/OSHA IN ALL ASPECTS OF WORK.
  
3. CONSTRUCTION STORM WATER PROTECTION NOTES
  - a. TOTAL SITE DISTURBANCE AREA- 0.02 (ACRES)
  
  - b. HYDROLOGIC UNIT/WATERSHED- Penasquitos / Mission Bay
  
  - c. HYDROLOGIC SUBAREA NAME MIRAMAR & NO. 906.40
  - d. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
    - WPCP  

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
    - SWPPP  

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ

TRADITIONAL: RISK LEVEL 1  2  3

LUP: RISK TYPE 1  2  3
  - e.  CONSTRUCTION SITE PRIORITY  
 ASBS  HIGH  MEDIUM  LOW

4. ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

## APPENDIX J

### SEWER MANHOLES, MAINS AND LATERALS REHABILITATION SAMPLE DATA TEMPLATES









**APPENDIX K**  
**SAMPLE OF PUBLIC NOTICE**



## CONSTRUCTION NOTICE

### PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

#### The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

#### How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

#### Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

#### City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



## CONSTRUCTION NOTICE

### PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

#### The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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- Cars parked in violation of signs will be TOWED.

#### Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

#### City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

To contact the City of San Diego:  Public Works  
619-533-4207 | [engineering@sandiego.gov](mailto:engineering@sandiego.gov) | [sandiego.gov/CIP](http://sandiego.gov/CIP)

To contact the City of San Diego:  Public Works  
619-533-4207 | [engineering@sandiego.gov](mailto:engineering@sandiego.gov) | [sandiego.gov/CIP](http://sandiego.gov/CIP)

## APPENDIX L

### ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

## Protecting AMI Devices in Meter Boxes and on Street Lights

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

- A. Endpoints, see Photo 1:

**Photo 1**



B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

**Photo 2**



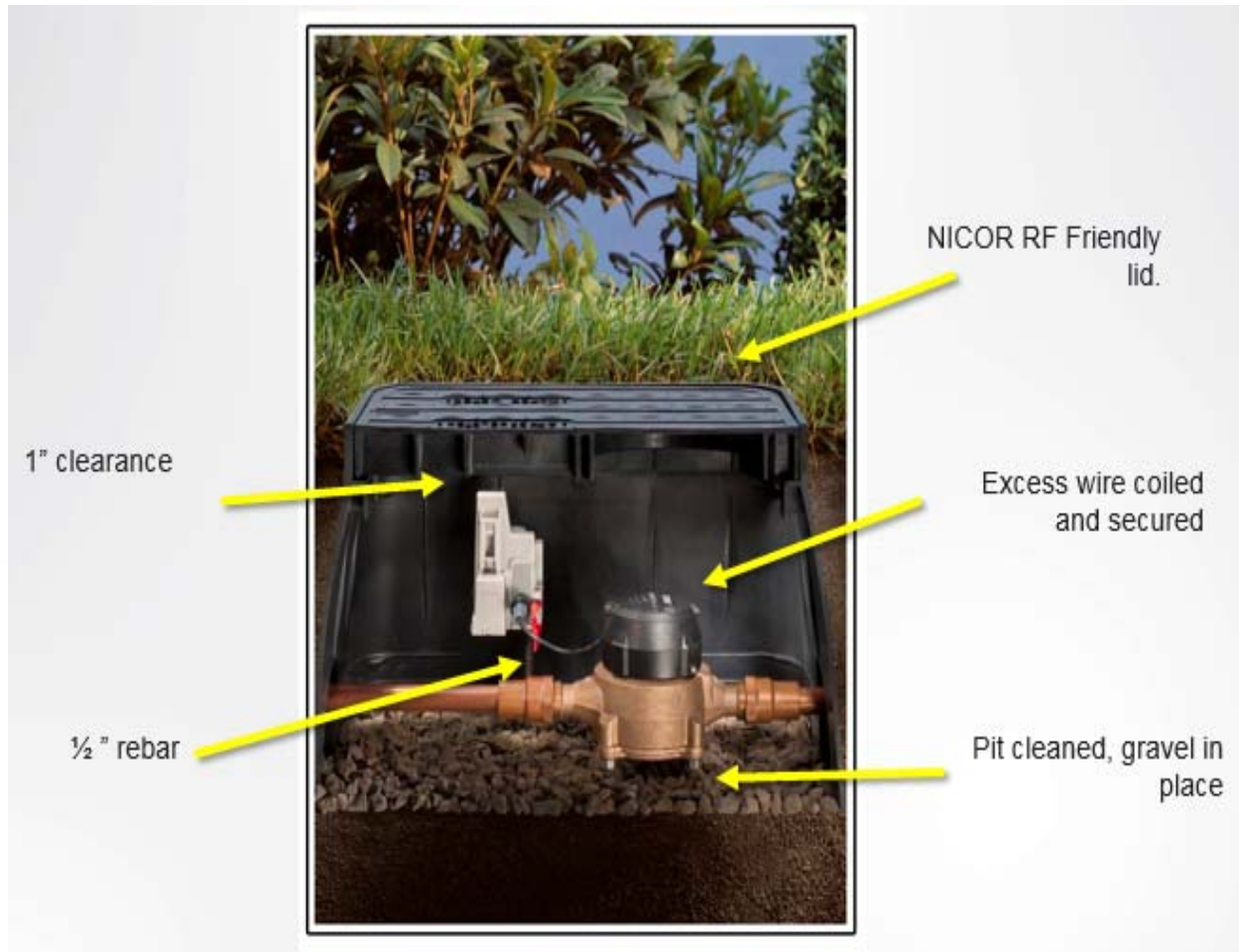
Network Devices, see Photo 3:

**Photo 3**



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

**Photo 4**



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

**The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document**

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

**Photo 5**

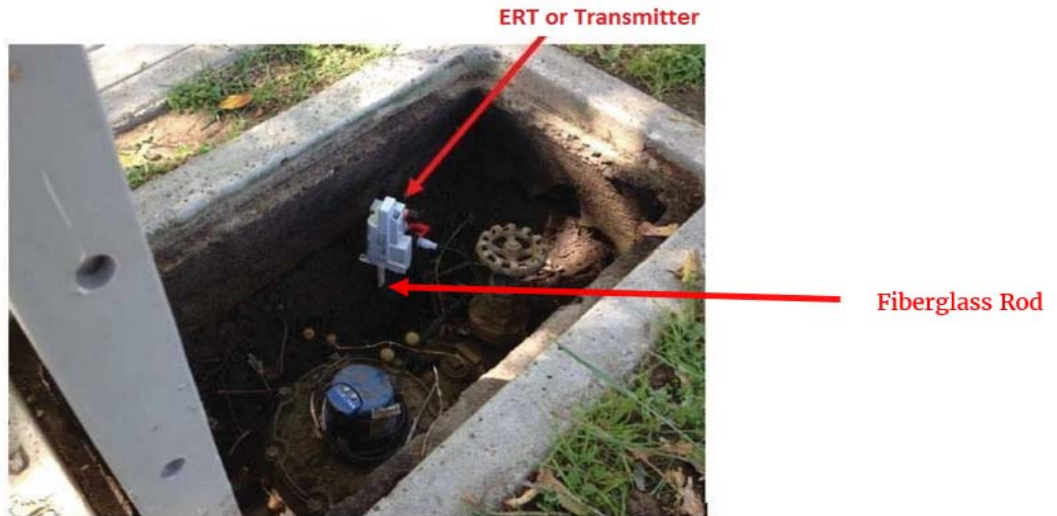


Photo 6 below is an example of disturbance that shall be avoided:

**Photo 6**





**You are responsible when working in and around meter boxes.** If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

**Photo 7**



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

**Photo 8**



**Network Device**

**Photo 9**

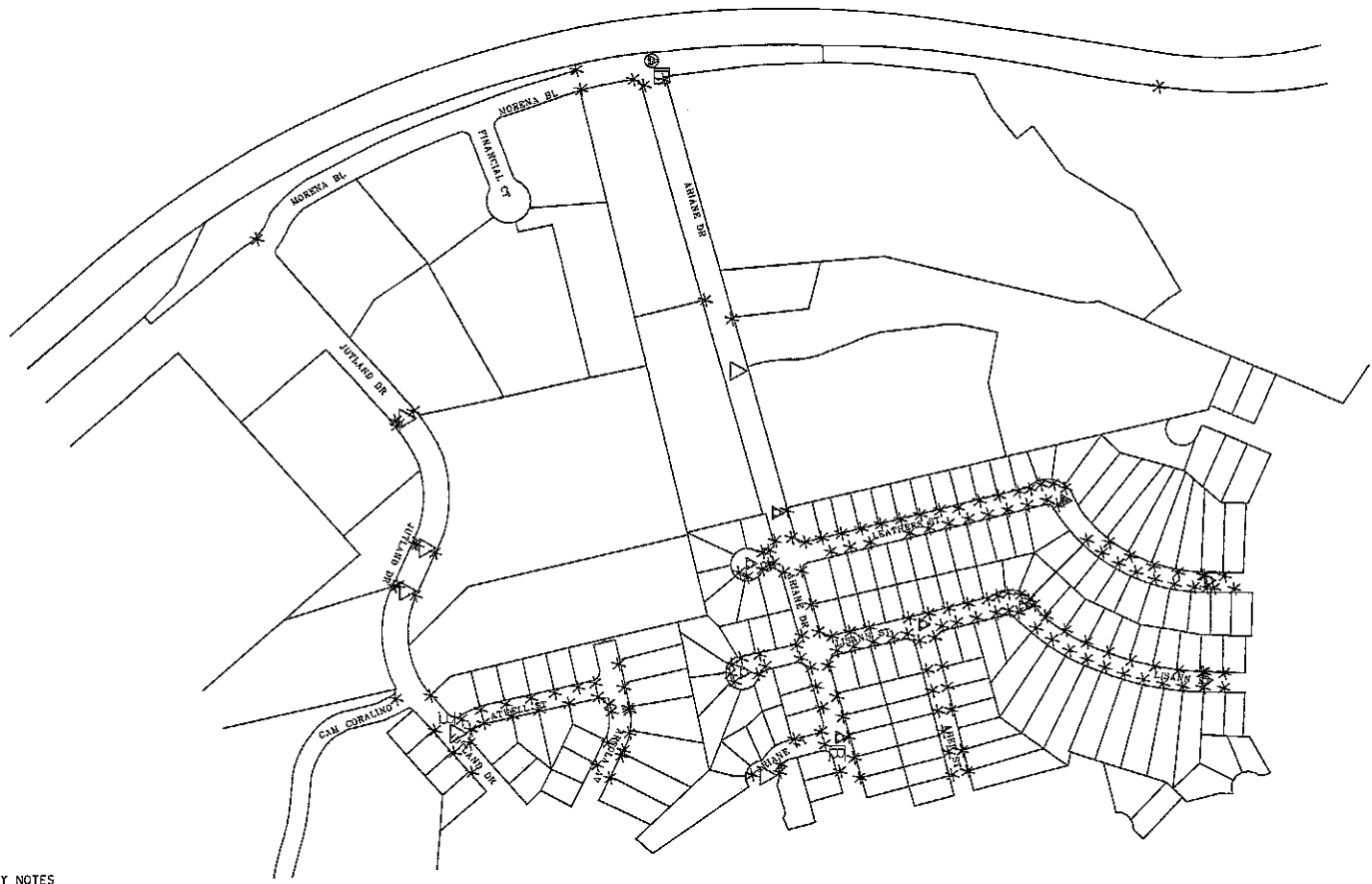


**If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.**

**APPENDIX M**  
**SURVEY MONUMENT SHEETS**







**MONUMENTATION / SURVEY NOTES**

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6750.2 AND 8710 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION. IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
▲	LOCATION OF EXISTING M-10
⊠	LOCATION OF SURVEY BENCH MARK
⊕	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER



C-03

**PIPELINE REHABILITATION AR-1  
SURVEY MONUMENT SHEET**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET XX OF XX SHEETS		WATER NO. B-00000 SEWER NO. B-00000
FOR CITY ENGINEER DATE: XXXXXX	DATE: XXXXXX	PROJECT NO. XXXXXX
BY: [Signature]	APPROVED: [Signature]	PROJECT ENGINEER
ORIGINAL	DATE FILED	SEE SHEETS
		SEE SHEETS
		SEE SHEETS
CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED	XXXX-XX-D



**ATTACHMENT F**  
**RESERVED**



**ATTACHMENT G**  
**CONTRACT AGREEMENT**

## CONTRACT AGREEMENT

---

### CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Southwest Pipeline and Trenchless Corp., herein called "Contractor" for construction of **Pipeline Rehabilitation AR-1**; Bid No. **B-17150**; in the amount of Three Million Two Hundred Fifty-Eight Thousand Four Hundred Forty Dollars and Zero Cents (\$3,258,440.00), 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 Instruction to Bidders and the Supplementary Special Provisions (SSP).
  - (d) Phased Funding Schedule Agreement.
  - (e) That certain documents entitled **Pipeline Rehabilitation AR-1**, on file in the office of the Public Works Department as Document No **B-17150**, 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 AR-1**, Bid Number **K-20-1868-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

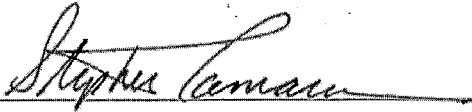
CONTRACT AGREEMENT (continued)


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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By 

By 

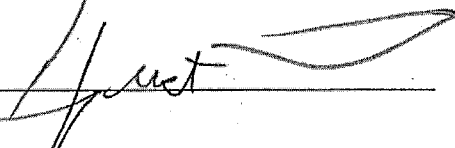
Print Name: STEPHEN SAMARA  
Mayor or designee

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

Date: 2/24/2020

Date: 2/25/20

CONTRACTOR

By 

Print Name: Justin Duchaineau

Title: President

Date: 12-3-2019

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000002176

## CERTIFICATIONS AND FORMS

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

## **BIDDER'S GENERAL INFORMATION**

To the City of San Diego:

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

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

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

State of California

County of San Diego

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

## CONTRACTOR CERTIFICATION

---

### DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 5-1.3 , "Drug-Free Workplace", of the project specifications, and that;

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

## CONTRACTOR CERTIFICATION

---

### AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the Americans With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 5-1.2, "California Building Code, California Code of Regulations Title 24 and Americans with Disabilities Act", of the project specifications, and that:

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



## **CONTRACTOR CERTIFICATION**

---

### **CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE**

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 5-1.4, ("Contractor Standards and Pledge of Compliance"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

## **CONTRACTOR CERTIFICATION**

---

### **EQUAL BENEFITS ORDINANCE CERTIFICATION**

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

## **CONTRACTOR CERTIFICATION**

---

### **EQUAL PAY ORDINANCE CERTIFICATION**

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

**AFFIDAVIT OF DISPOSAL**

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

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

**PIPELINE REHABILITATION AR-1**

(Project Title)

as particularly described in said contract and identified as Bid No. **K-20-1868-DBB-3** ; SAP No. (WBS/IO/CC) **B-17150** 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 \_\_\_\_\_, \_\_\_\_\_.

By: \_\_\_\_\_  
Contractor

**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

**LIST OF SUBCONTRACTORS**

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

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - Section 3-2, "SELF-PERFORMANCE", which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
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   |  |          |
| 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.**

**NAMED EQUIPMENT/MATERIAL SUPPLIER LIST**

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

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB <sup>①</sup>	WHERE CERTIFIED <sup>②</sup>
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   |  |          |
| 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.**

## **ELECTRONICALLY SUBMITTED FORMS**

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

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

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. CONTRACTOR’S EXPERIENCE; PAST PROJECT DOCUMENTATION PER SECTION 500 – PIPELINE REHABILITATION SUBSECTION 500-2.1 INITIAL SUBMITTALS ITEM 2 A**
- E. AUTHORIZE INSTALLER CERTIFICATES PER SECTION 500 – PIPELINE REHABILITATION SUBSECTION 500-2.1 INITIAL SUBMITTALS ITEM 2 B**

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

**BID BOND**

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

KNOW ALL MEN BY THESE PRESENTS,

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

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

Pipeline Rehabilitation AR-1 ; K-20-1868-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 11th day of September, 2019

Southwest Pipeline and Trenchless Corp. (SEAL)

(Principal)

By: [Signature]  
(Signature)

Liberty Mutual Insurance Company (SEAL)

(Surety)

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

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)





CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

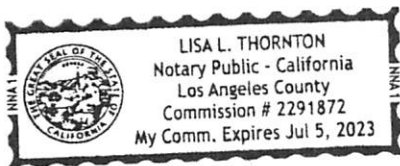
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California )  
 ) ss  
County of Los Angeles )

On 9-11-19, before me, Lisa L. Thornton, 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: [Handwritten Signature]  
Lisa L. Thornton, 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.



**Liberty Mutual.**

**SURETY**

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

**POWER OF ATTORNEY**

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

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: The City of San Diego

Surety Bond Number: 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 12<sup>th</sup> day of December, 2018.



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

By:

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA  
COUNTY OF MONTGOMERY

ss

On this 12<sup>th</sup> day of December, 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of 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 King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Teresa Pastella, Notary Public  
Upper Merion Twp., Montgomery County  
My Commission Expires March 28, 2021  
Member, Pennsylvania Association of Notaries

By:

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 Liberty Mutual Insurance Company, The Ohio Casualty 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, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this 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 11th day of September, 2019.



By:

Renee C. Llewellyn, Assistant Secretary

**CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS**

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

CHECK ONE BOX ONLY.

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

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By Justin Duchaineau Title President

Name  
  
 Signature

Date 10-4-2019

**USE ADDITIONAL FORMS AS NECESSARY**







**PROJECT REFERENCES**

JOB #	CODE	Location and Description	OWNER and/or GENERAL CONTRACTOR	CONTACT INFO.	CONTRACT	AMOUNT	START	COMPLETE
674	3, 6	Sewer Master Plan Improvements Rehab by CIPP 23,217 LF of 8", 10", 12" and 15"- Azusa	City of Azusa 213 E. Foothill Blvd. Azusa, CA 91702	626-812-5264 Daniel Bobadilla	66513A	\$ 2,062,906.00	12/2012	8/2014
542	3, 6	Sewer Pipeline Rehab Phase J-1 Lining By CIPP 7.16 miles rehab 6"-8" by CIPP, Install 775 top hats- San Diego	City of San Diego 1200 Third St, San Diego CA 92101	Charles Dupont 858.627.3203	K104836C	\$ 3,193,079.75	12/2009	3/2011
543	3, 6	Sewer Pipeline Rehab Phase J-1A Rehab by CIPP 35,000LF of 6" and 8" Dia-San Diego	City of San Diego 1200 Third St, San Diego CA 92101	Zina Rummani 619.980.6328	K104823C	\$ 3,292,819.75	12/2009	3/2011
553	6,3	Sewer Main Rehab. Phase J-1B Rehab By CIPP 5.12 miles 8" mains by CIPP, 309 Top Hats, rehab 33 MH's-San Diego	City of San Diego 1200 Third St., San Diego CA 92101	Charles Eva	K104918C	\$ 1,655,348.51	2/2010	2/2011
586	6,3	Sewer Pipeline Rehabilitation Phase J-1C Rehab By CIPP 46,085' 8", 278' 10" by CIPP, 457 VF MH's, 800 Top Hats Install 62 MH's-San Diego	City of San Diego 1200 Third St., San Diego CA 92101	Michael Thomas 616.849.9860	K114977C	\$ 3,222,945.75	11/2010	2/2012
590	6,3	2010 - 2011 Sewer Rehabilitation Project Lining By CIPP 5,050' 6" , 130 Top Hats-Redwood City	City of Redwood City 1017 Middlefield Road, Redwood City, Ca. 94064	Joel B. Evora 650-782-7328		\$ 537,275.00	1/2011	5/2011
652	6,3	Pipeline Rehabilitation Package O-1 33,634 lf of 8"-San Diego	City of San Diego 9485 Aero Drive, San Diego CA 92123	Jin Chong 213-905-3551	K-12-5401-DBB-C	\$ 3,161,484.00	3/2012	6/2014
619	6	Sewer Rehabilitation Project No. 3 Rancho Palos Verdes 11,456' 8", 989' 10" sewer re-lining- Los Angeles	County of Los Angeles 900 South Fremont Ave., Alhambra, Ca. 91803	Salman Khan 626/458-4956	SMDAO0128	\$ 296,707.00	10/2011	4/2012
777	6,3	Sewer Main Lining Rehabilitation Project Phase IV Rehab 91,557 lf of 6", 8", 10", 12", 15" & 18" ,Installed 100Top Hats	City of Culver City 9770 Culver Blvd. Culver City, CA 90232	Jason Linsdau 760-759-2466		\$ 4,534,000.00	2/2015	11/2016
831	6,3	Sewer Rehabilitation Project Phase 2 CIPP:95,000LF 6"and8" 3900LF, 10" 3300LF, 12" 3950LF 15", 600LF 18", 19 Top Hats	City of South Pasadena 1414 Mission South Pasadena CA 91030	Leaonna DeWitt 626-403-7240		\$ 3,990,890.00	5/2016	8/2017



**PROJECT REFERENCES**

JOB #	CODE	Location and Description	OWNER and/or GENERAL CONTRACTOR	CONTACT INFO.	CONTRACT	AMOUNT	START	COMPLETE
845	6	Sewer Main Rehabilitation CIPP/IF of 6",8",14",15"	City of Santa Barbara 3110 E. Ortega Street Santa Barbara, CA 93101	Kevin Thompson 805-897-1908		\$ 270,776.00	10/2017	6/2018
460	3,6	City of San Diego - Rehab Package F-1; K084111C 6426' 6", 95201' 8", 1935' 10", 972' 12", 12045' 18", 50' 21" CIPP; 2372 top hats	City of San Diego 1200 Third St, San Diego CA 92101	858/654-4180 Jim Haghgouy	K084111C	\$ 8,334,612.44	7/2008	1/2010
495	3 & 6	Pipeline Rehabilitation Phase H-1 16169' 6", 14636' 8", 521' 10", 185' 12", 13259' 15" 1029 Top Hats	City of San Diego 1200 Third St, San Diego CA 92101	858/627-3286 Nariman Khomamizadeh	Bid # K094364C	\$ 4,824,727.00	12/2008	3/2010
514	6	City of El Segundo Sewer Rehab 7,186' 15", 1918' 8"	City of El Segundo 350 Main St., El Segundo, CA 900245	310/524-2361		\$ 465,795.00	4/2009	6/2009
421	3,9	Repair Sewer Lines Base Wide Marine Corps Recruit Depots Rehab: approx. 20,473 lf,46 Spot Repairs & 2 Top Hats	CDM Constructors Inc. for City of San Diego MCRD 9220 Cleveland Avenue, Ste 100, Rancho Cucamonga CA 91730	760/543-0129 Mike Bantz	N68711-05-4005	\$ 494,699.00	6/2007	3/2008
464	6	Santa Ana River Crossing Pipeline Rehab 54" and 34" transition liner	East Valley Water District 3654 East Highland Ave Suite 18, Highland, CA 92346	909/888-8986 Eliseo Ochoa		\$ 348,368.75	03/2008	04/2008
482	6	CMP Lining, CDR Phase 1A Approx.. 6,000 LF of various diameter CMP and CMPA w/ CIPP	Los Angeles County, Department of Public Works 900 S. Fremont Avenue, Alhambra, CA 91803	626/458-4951 Irma Serna	FCC0001077	\$ 860,968.00	07/2008	2/2009
490	3	Camarillo Sanitary District - Various Locations City Wide Sewer Main Rehabilitation 406 Top Hats	Charles King Company, Inc. for the Camarillo Sanitary District 2841 Gardena Avenue, Signal Hill, CA 90755	562/426-2974 Steve Radaich	# SS-03-05 CMOM	\$ 609,000.00	7/2008	3/2010
498	6	Wastewater Pipeline Improvement Project - Phase 2 Approx. 625 lf of 15", 492 lf of 21", 817 lf of 24", and 558 lf of 30" w/ CIPP	KEC Engineering for the City of Thousand Oaks 200 No. Sherman Avenue, Corona, CA 92882	951/734-3010 James Elfing	CI 4269	\$ 454,125.00	4/2009	7/2009

1=sewer, 2=storm drain, 3=Top Hats, 4= Sectional Liner Repairs, 5=HDPE lining, 6=CIPP lining, 7=Insitu Point Repairs, 8=Channel line, 9=Misc. 10=Rib Loc



Southwest Pipeline and Trenchless  
539 W. 140<sup>th</sup> Street  
Gardena, CA 90248  
(310) 329-8717 phone  
(310) 329-0981 fax

As of 1/2001

## CERTIFICATE OF INSTALLER

To Whom It May Concern:

This certificate verifies that Southwest Pipeline and Trenchless has received all necessary training for the correct preparation and installation procedures for Cosmic Tophat "Lateral connection sealing system". If there is any other questions please contact Chris Scarratt at information listed below.

Sincerely,



Johann Kubel  
CEO, Cosmic Tophat LLC,



## National Liner, L.L.C.

---

April 9, 2018

Re: Submittals for National Liner™ Certification of Compliance

To Whom It May Concern:

The following is in support of qualification and to certify compliance with the requirements for the installation of Cured-In-Place Pipe (CIPP) utilizing the National Liner CIPP rehabilitation process. The National Liner CIPP product is designed via the requirements of ASTM F-1216 and the installed product fully exceeds all the requirements of ASTM F-1216 and Greenbook Standard Specifications for public works construction.

National Liner, L.L.C., licensor of the National Liner CIPP process, is one of the major installers of CIPP in the U.S. and Canada, through its approved network of licensees. The National Liner process has been used to install over 21,000,000 feet since we began operations in 1994. Our projects have ranged from six-inch (6) diameter linings to eighty-four inch (84) diameter linings including reinstating thousands of laterals.

Southwest Pipeline and Trenchless Corp., has been our authorized licensed installer since 1997. Its crews have fulfilled all necessary training requirements to be proficient in the installation of National Liner CIPP product.

AOC L010 vinyl ester resin used with Applied Felt Inc. polyester felt liners are the components for manufacturing National Liner CIPP. The resin is specifically formulated for use in rehabilitation of sewer lines and has excellent corrosion and chemical resistance. The AOC resin formulation has not changed since Greenbook chemical resistance testing was initially completed.

The quality control programs in place at every AOC manufacturing facility have been certified as meeting ISO 9002 standards. In addition, Applied Felts lining materials fully meet the requirements of Section 5. 1 of ASTM F1216. Applied Felts operate quality systems complying with ISO 9002 and all materials are tested to ensure suitability to CIPP applications. Each liner is typically tested in 28 different ways allowing for traceable test data for any particular liner.

In summary, National Liner, L.L.C. looks forward to supplying a commercially acceptable CIPP rehabilitation technology we are very proud of.

Regards,

*Scott Roth*

Scott A. Roth  
Director

Attachment # 3



To Whom It May Concern:

As of September 2008 Southwest Pipeline & Trenchless Corp has been a certified SPR EX installer for Sekisui SPR Americas LLC and Sekisui Ribloc AU.

Southwest Pipeline & Trenchless Corp have been trained and certified in all applications of SPR EX installations.

Please contact me if you have further questions.


Kind Regards,  
Brian Freer

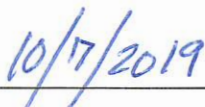
SRL Operations Manager  
Sekisui SPR Americas LLC.



**ENGINEER OF WORK**

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

  
\_\_\_\_\_  
For City Engineer

  
\_\_\_\_\_  
Date

Seal:



## A. CHANGES TO CONTRACT DOCUMENTS

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

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

## B. BIDDER'S QUESTIONS

Q1. Is this project CIPP or excavation?

A1. Refer to Attachment A Scope of Work for project information.

Q2. Bid Item #11 on the Subject project calls for Rehabilitating Existing Manholes with Cured-in-Place Manhole Liner (CIPM). In the past, the City conducted a multitude of Pipe Rehab projects that included manhole rehabilitation, but the manhole rehabilitation method was not limited to CIPM. Is it the City's intent to exclude the other manhole rehabilitation products/systems found on the City's Approved Materials list from AR-1? If so, please explain the rationale for the exclusion.

A2. See Section D, Additional Changes, of this Addendum.

Q3. One of the documents that has to be submitted with bid is; D. Contractor's experience; past project documentation per **section-500, subsection 500-2.1 initial submittals item 2A**. The section 500, subsection -2.1, indicates that the required format for the submittal is attached in the Contract Documents. However, the Bidding Document for Pipeline Rehabilitation AR-1 does not contain the required format for Item D. Contractor's Experience submittal. Can you please advise what is the required format for item D. submittal.

A3. For item D. submittal required format, See Section C. Supplementary Special Provisions Item 1 of this Addendum.

## C. REQUIRED DOCUMENTS SCHEDULE

1. To Required Documents Schedule During Bidding and Awarding, pages 4 through 5, **DELETE** in their entirety and **SUBSTITUTE** with pages 7 through 8 of this Addendum.

#### D. NOTICE INVITING BIDS

2. To Section 3, Estimated Construction Cost, page 6, **DELETE** in its entirety and **SUBSTITUTE** with the following:
  3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,251,000**.
3. To Section 4, **BID DUE DATE AND TIME ARE: DELETE** in its entirety and **SUBSTITUTE** with the following:
  4. **BID DUE DATE AND TIME ARE: October 17, 2019 at 2:00 PM**

#### DI. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 500, Pipeline Rehabilitation, Sub-Section 500-2.1, Initial Submittals, page 49, **DELETE** in its entirety and **SUBSTITUTE** with the following:
  - 500-2.1 Initial Submittals. To the "WHITEBOOK", **DELETE** in its entirety and **SUBSTITUTE** with the following:
    2. At Bid Due date, all bidders shall submit the following:

At time of bid, all bidders shall submit the following:

      - a) Contractor's Experience and Past Project Documentation.
        - i. You shall submit documentation that you have performed similar main rehabilitation projects (of scope and size) successfully within the last 10 years in the United States. The scope shall include the same product, installation, and curing. The proposed product shall have at least 5 years or more of documented performance records.
        - ii. Your superintendent shall be assigned full time to this project and shall be present at the Site while Work is being performed. If CIPP is used, the superintendent shall have

documentation conveying experience with the proposed resin and felt combination used and the installation of the proposed lateral sealing system with the pipe lining system.

- b) Authorized Installer - The installation of the lining system shall be performed by a contractor authorized, certified, or both by the manufacture or owner of the process. You shall submit a copy of the authorization from all manufacturers for which they are authorized, certified, or both and a letter from the manufacturer(s) stating the name, address, point of contact, and telephone number. The Engineer will verify these authorizations.
- 3. To Appendix I, Site Maps, pages 146 through 147, **DELETE** in their entirety and **SUBSTITUTE** with pages 9 through 10 of this Addendum.
  - 4. To Appendix M, Survey Monument Sheets, page 162, **DELETE** in its entirety and **SUBSTITUTE** with page 11 of this Addendum.

#### **F. ELECTRONICALLY SUBMITTED FORMS**

- 1. To Electronically Submitted Forms page, page 181, **DELETE** in its entirety and **SUBSTITUTE** with page 12 of this Addendum.
- 2. To Electronically Submitted Forms, **ADD** Debarment and Suspension Certification, pages 13 through 14 of this Addendum.

**G. ADDITIONAL CHANGES**

- The following are additional changes to the Line Items in the PlanetBids Tab:

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

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	<del>237110</del>	<del>Rehabilitate Existing Manhole with Cured-In-Place Manhole Liner</del>	<del>VF</del>	<del>341</del>	<del>502-5.6.1</del>
<u>Main Bid</u>	<u>237110</u>	<u>Rehabilitate Existing Manhole</u>	<u>EA</u>	<u>4</u>	<u>502-8</u>

James Nagelvoort, Director  
Public Works Department

Dated: *October 7, 2019*  
San Diego, California

JN/MJN/MLW



## REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

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.

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	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
4.	Debarment and Suspension Certification	At Time of Bid	ALL BIDDERS
5.	Contractor's Experience and Past Project Documentation. See SSPs and 2018 WB Section 500-2.1, "Initial Submittals"	At Time of Bid	ALL BIDDERS
6.	Manufacturer Authorized Installer Certification. See SSP and 2018 WB Section 500-2.1, "Initial Submittals"	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	Within 24 Hours of Bid opening	5 APPARENT LOW BIDDERS
8.	SLBE Good Faith Effort Documentation	Within 3 working days of bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.	Within 3 working days of bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
11.	Phased Funding Schedule Agreement (when required)	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
12.	Pre-Award Schedule (Phased Funded Contracts Only)	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
13.	Contract Forms - Agreement	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
14.	Contract Forms - Payment and Performance Bond	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
15.	Certificates of Insurance and Endorsements	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
16.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER

## CONTRACTOR'S NOTES

1. MONUMENTATION / SURVEY NOTES

SURVEY MONUMENT SHEETS IN APPENDIX M WERE CREATED FROM A PARCEL LAYER AND DO NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS. AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTION 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY. AS APPROPRIATE. SHALL BE FILED WITH THE COUNTY SURVEY.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY. AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

2. CONTRACTOR IS RESPONSIBLE FOR SAFE AND STABLE EXCAVATION IN ALL AREAS INCLUDING BUT NOT LIMITED TO SLIDE PRONE FORMATION AREAS AND HILLSIDE AREAS. CONTRACTOR SHALL MEET THE REQUIREMENTS OF CAL/OSHA IN ALL ASPECTS OF WORK.

3. CONSTRUCTION STORM WATER PROTECTION NOTES

- a. TOTAL SITE DISTURBANCE AREA- 0.02 (ACRES)
- b. HYDROLOGIC UNIT/WATERSHED- Penasquitos / Mission Bay
- c. HYDROLOGIC SUBAREA NAME MIRAMAR & NO. 906.40
- d. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

WPCP

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100

SWPPP

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ

TRADITIONAL: RISK LEVEL 1  2  3

LUP: RISK TYPE 1  2  3

e.  CONSTRUCTION SITE PRIORITY

ASBS  HIGH  MEDIUM  LOW

3. ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.



## **ELECTRONICALLY SUBMITTED FORMS**

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

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

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. DEBARMENT AND SUSPENSION CERTIFICATION**
- E. CONTRACTOR’S EXPERIENCE; PAST PROJECT DOCUMENTATION PER SECTION 500 – PIPELINE REHABILITATION SUBSECTION 500-2.1 INITIAL SUBMITTALS ITEM 2 A**
- F. AUTHORIZE INSTALLER CERTIFICATES PER SECTION 500 – PIPELINE REHABILITATION SUBSECTION 500-2.1 INITIAL SUBMITTALS ITEM 2 B**

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

**DEBARMENT AND SUSPENSION CERTIFICATION**

**EFFECT OF DEBARMENT OR SUSPENSION**

To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a): *Bidders and contractors* who have been *debarred or suspended* are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving *contract awards*, executing *contracts*, participating as a *subcontractor*, employee, agent or representative of another *person* contracting with the City.

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 Names of the Principal Individual owner(s)

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

NAME	TITLE
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.

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: Southwest Pipeline & Trenchless Corp.  
 Certified By: Justin Duchaineau Title President  
 Name Justin Duchaineau Date 12-3-2019  
 Signature [Signature]

**NOTE:** Providing false information may result in criminal prosecution or administrative sanctions.

Names of the Principal individual owner(s)  
**FOR SUBCONTRACTORS/SUPPLIERS/MANUFACTURERS**

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 Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers. Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR       SUPPLIER       MANUFACTURER

NAME	TITLE
American Asphalt South	
Allan Henderson	President - Owner
Jeff Petty	Vice President
Lyle Stone	Secretary

SUBCONTRACTOR       SUPPLIER       MANUFACTURER

NAME	TITLE
Easy Flow	
Adam Wilson	President - Owner

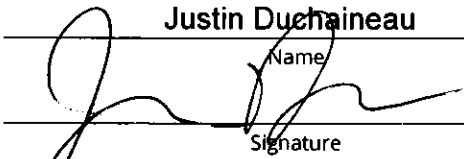
SUBCONTRACTOR       SUPPLIER       MANUFACTURER

NAME	TITLE
SANCON	
Frank Dibenedetto	Owner
Chuck Parsons	President

SUBCONTRACTOR       SUPPLIER       MANUFACTURER

NAME	TITLE

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By: Justin Duchaineau Title President  
Name  
  
Signature Date 10-10-2019

**\*USE ADDITIONAL FORMS AS NECESSARY\***



# City of San Diego

CITY CONTACT: Antoinette Sanfilippo, Contract Specialist, Email: [ASanfilippo@sandiego.gov](mailto:ASanfilippo@sandiego.gov)  
Phone No. (619) 533-3439

## ADDENDUM B



**FOR**

## PIPELINE REHABILITATION AR-1

BID NO.:	<u>K-20-1868-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-17150</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>JA IJ</u>

---

**BID DUE DATE:**

**2:00 PM  
OCTOBER 31, 2019**

**CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS**

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

**ENGINEER OF WORK**

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

  
For City Engineer

10/16/2019

Date

Seal:



## A. CHANGES TO CONTRACT DOCUMENTS

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

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

## B. BIDDER'S QUESTIONS

Q1. The solicitation documents call out "Install New Sewer Main Cleanouts" scope of work, with a quantity of 36 each on sheets 110-111. However, the bid schedule does not include a bid item for this scope. There is however two items that may have been inadvertently used with the intention of covering the scope I mention, but the descriptions are incorrect. The bid schedule lists 2 separate items each with a quantity of 36 each, numbers 13 "Sewer Laterals and Cleanout, 4-inch street" and item 14, "Sewer Lateral Connection". Can the bid schedule be change to deleted items 13 and 14 because there is no scope called out in the solicitation that matches this description and replaced with an added item for "Sewer Main Cleanout (8-Inch)?"

A1. See Section D, Additional Changes to this Addendum.

Q2. The 341 VF of the original scope corresponded perfectly with the list of 30 manholes detailed on pages 108-109 of the Solicitation Document. What are the depths and locations of the 4 manholes in the revised scope of work?

A2. For location of manhole rehabilitations, refer to Appendix I and for the depth of manhole rehabilitations, refer to Appendix H. See Section D, Additional Changes to this Addendum.

## C. NOTICE INVITING BIDS

1. To Item 4, Bid Due Date and Time **DELETE** in its entirety and **SUBSTITUTE** with the following:

**4. BID DUE DATE AND TIME ARE: October 31, 2019 at 2:00 PM.**

**D. ADDITIONAL CHANGES**

- The following are additional changes to the Line Items in the PlanetBids Tab:

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

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	<del>237110</del>	<del>Sewer Lateral and Cleanout (4-inch, Street)</del>	EA	<del>36</del>	<del>306-17.2</del>
Main Bid	<u>237110</u>	<u>Sewer Lateral Connection</u>	EA	<u>36</u>	<u>306-17.2</u>
Main Bid	<u>237110</u>	<u>Sewer Main Cleanout (8-inch)</u>	EA	<u>36</u>	<u>306-17.2</u>
Main Bid	<del>237110</del>	<del>Rehabilitate Existing Manhole</del>	EA	<del>4</del>	<del>502-8</del>
Main Bid	<u>237110</u>	<u>Rehabilitate Existing Manhole up to 16 ft. in Depth</u>	EA	<u>24</u>	<u>502-8</u>
Main Bid	<u>237110</u>	<u>Rehabilitate Existing Manhole Greater than 16 ft. in Depth</u>	EA	<u>6</u>	<u>502.8</u>

James Nagelvoort, Director  
Public Works Department

Dated: *October 16, 2019*  
San Diego, California

JN/MJN/ig

**Bid Results**

**Bidder Details**

**Vendor Name** Southwest Pipeline and Trenchless Corp.  
**Address** 22118 S. Vermont Avenue  
 Torrance, CA 90502  
 United States  
**Respondee** Justin Duchaineau  
**Respondee Title** President  
**Phone** 310-329-8717 Ext. 104  
**Email** justin@swpipeline.com  
**Vendor Type** CADIR,PQUAL  
**License #** 773862  
**CADIR** 1000002176

**Bid Detail**

**Bid Format** Electronic  
**Submitted** October 31, 2019 1:38:37 PM (Pacific)  
**Delivery Method**  
**Bid Responsive**  
**Bid Status** Submitted  
**Confirmation #** 189587  
**Ranking** 0

**Respondee Comment**

**Buyer Comment**

**Attachments**

File Title	File Name	File Type
Contractor's Certification of Pending Action	Contractor's Certification of Pending Action.pdf	Contractors Certification of Pending Actions
Mandatory Disclosure	Mandatory Disclosure.pdf	Mandatory Disclosure of Business Interests
Debarment	Debarment Subs.pdf	Debarment and Suspension Certification
Contractor's Experience Past Projects Documentation	Contractor's Experience Past Projects Documentation.pdf	Contractor's Experience and Past Project Documentation
Manufacturer Authorized Installer Certification	Manufacturer Authorized Installer Certification.pdf	Manufacturer Authorized Installer Certification
Bid Bond	Bid Bond.pdf	Bid Bond

**Line Items**

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
<b>Main Bid</b>						
1	Bonds (Payment and Performance)					
	524126	LS	1	\$33,000.00	\$33,000.00	
2	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$2,500.00	\$2,500.00	

**Bid Results**

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
3	Mobilization					
	237110	LS	1	\$25,000.00	\$25,000.00	
4	Field Orders (EOC Type II)					
		AL	1	\$224,000.00	\$224,000.00	
5	Asphalt Pavement Repair					
	237310	TON	75	\$100.00	\$7,500.00	
6	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	500	\$25.00	\$12,500.00	
7	Rubber Polymer Modified Slurry (RPMS) Type II					
	237310	SF	500	\$25.00	\$12,500.00	
8	Crack Seal					
	237310	LB	20	\$135.00	\$2,700.00	
9	Manholes ( 4 ft x 3 ft) New					
	237110	EA	2	\$10,150.00	\$20,300.00	
10	Manholes ( 4 ft x 3 ft) Replacement					
	237110	EA	7	\$11,000.00	\$77,000.00	
11	Rehabilitate Existing Manhole up to 16 ft in Depth					
	237110	EA	24	\$2,000.00	\$48,000.00	
12	Rehabilitate Existing Manhole greater than 16 ft in Depth					
	237110	EA	6	\$2,365.00	\$14,190.00	
13	Sewer Main Cleanout (8-inch)					
	237110	EA	36	\$3,800.00	\$136,800.00	
14	Manholes (PVC Lined and Repaired, 4 ft x 3 ft)					
	237110	EA	5	\$2,500.00	\$12,500.00	
15	Cleaning and Video Inspection of Existing Pipelines and Culverts					
	237110	LF	35320	\$1.00	\$35,320.00	
16	Video Inspection of Pipelines and Culverts for Acceptance					
	237110	LF	35320	\$0.50	\$17,660.00	
17	Removal and Replacement of Existing Paint Striping					
	237310	LF	1000	\$4.00	\$4,000.00	
18	Painted Pavement Markings					
	237310	LS	1	\$2,500.00	\$2,500.00	

**Bid Results**

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
19	Video Recording of Existing Conditions					
	238990	LS	1	\$1,500.00	\$1,500.00	
20	Additional Pavement Removal and Disposal					
	237310	CY	20	\$50.00	\$1,000.00	
21	Point Repair for Existing Sewer Main (8 and 10 Inch)					
	237110	EA	9	\$4,000.00	\$36,000.00	
22	Additional Point Repair for Existing Sewer Main (8 and 10 Inch)					
	237110	LF	195	\$50.00	\$9,750.00	
23	Rehabilitate Sewer Main (8 Inch)					
	237110	LF	34000	\$22.00	\$748,000.00	
24	Rehabilitate Sewer Main (10 Inch)					
	237110	LF	1320	\$24.00	\$31,680.00	
25	Service Lateral Connection					
	237110	EA	748	\$715.00	\$534,820.00	
26	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth					
	237110	EA	700	\$1,575.00	\$1,102,500.00	
27	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth					
	237110	EA	48	\$1,740.00	\$83,520.00	
28	Service Lateral Rehabilitation with Manually Excavated Cleanout up to 7 ft in Depth					
	237110	EA	1	\$3,600.00	\$3,600.00	
29	Service Lateral Rehabilitation with Manually Excavated Cleanout Greater than 7 ft in Depth					
	237110	EA	1	\$4,050.00	\$4,050.00	
30	Traffic Control and Working Drawings					
	541330	LS	1	\$5,000.00	\$5,000.00	
31	WPCP Development					
	541330	LS	1	\$550.00	\$550.00	
32	WPCP Implementation					
	237310	LS	1	\$1,000.00	\$1,000.00	
33	Additional Sidewalk					
	237310	SF	250	\$10.00	\$2,500.00	
34	Remove and Replace Existing Sidewalk					
	237310	SF	500	\$10.00	\$5,000.00	
				<b>Subtotal</b>	<b>\$3,258,440.00</b>	

**Bid Results**

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
				<b>Total</b>	<b>\$3,258,440.00</b>	

**Subcontractors**

Name & Address	Description	License Num	CADIR	Amount	Type
<b>American Asphalt South, Inc.</b> PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Constructor- RPMS, Crack Seal	784969	1000000645	\$27,200.00	CAU,MALE,CADIR,PQUAL
<b>Easy Flow</b> 14275 Crystal View Lane Poway, CA 92064 United States	Constructor- Mainline Open Cut, Lateral Cleanout, Lateral Rehab, Clean and CCTV, Sidewalk Repair	960845	1000010925	\$1,506,459.00	CADIR,CAU,MALE,S LBE
<b>Sancon Engineering, Inc.</b> 5841 Engineer Drive Huntington Beach, CA 92649 United States	Constructor- Manhole Rehab	731797	1000003923	\$59,250.00	CAU,MALE,PQUAL,CADIR



Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Southwest Pipeline and Trenchless Corp. - Unit Price	Southwest Pipeline and Trenchless Corp. - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$33,000.00	\$33,000.00
2	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	3-12.5.4	LS	1	\$2,500.00	\$2,500.00
3	Main Bid	237110	Mobilization	7-3.4.1	LS	1	\$25,000.00	\$25,000.00
4	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$224,000.00	\$224,000.00
5	Main Bid	237310	Asphalt Pavement Repair	301-1.7	TON	75	\$100.00	\$7,500.00
6	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	500	\$25.00	\$12,500.00
7	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	500	\$25.00	\$12,500.00
8	Main Bid	237310	Crack Seal	302-15.5	LB	20	\$135.00	\$2,700.00
9	Main Bid	237110	Manholes ( 4 ft x 3 ft) New	306-16.6	EA	2	\$10,150.00	\$20,300.00
10	Main Bid	237110	Manholes ( 4 ft x 3 ft) Replacement	306-16.6	EA	7	\$11,000.00	\$77,000.00
11	Main Bid	237110	Rehabilitate Existing Manhole up to 16 ft in Depth	502-8	EA	24	\$2,000.00	\$48,000.00
12	Main Bid	237110	Rehabilitate Existing Manhole greater than 16 ft in Depth	502-8	EA	6	\$2,365.00	\$14,190.00
13	Main Bid	237110	Sewer Main Cleanout (8-inch)	306-17.2	EA	36	\$3,800.00	\$136,800.00
14	Main Bid	237110	Manholes (PVC Lined and Repaired, 4 ft x 3 ft)	502-5.6.1	EA	5	\$2,500.00	\$12,500.00
15	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-16.6	LF	35320	\$1.00	\$35,320.00
16	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-17.2	LF	35320	\$0.50	\$17,660.00
17	Main Bid	237310	Removal and Replacement of Existing Paint Striping	306-17.2	LF	1000	\$4.00	\$4,000.00
18	Main Bid	237310	Painted Pavement Markings	306-18.7	LS	1	\$2,500.00	\$2,500.00
19	Main Bid	238990	Video Recording of Existing Conditions	306-18.7	LS	1	\$1,500.00	\$1,500.00
20	Main Bid	237310	Additional Pavement Removal and Disposal	314-4.3.7	CY	20	\$50.00	\$1,000.00
21	Main Bid	237110	Point Repair for Existing Sewer Main (8 and 10 Inch)	314-4.3.7	EA	9	\$4,000.00	\$36,000.00
22	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8 and 10 Inch)	400-1.1.1	LF	195	\$50.00	\$9,750.00
23	Main Bid	237110	Rehabilitate Sewer Main (8 Inch)	401-7	LF	34000	\$22.00	\$748,000.00
24	Main Bid	237110	Rehabilitate Sewer Main (10 Inch)	500-4.7	LF	1320	\$24.00	\$31,680.00
25	Main Bid	237110	Service Lateral Connection	500-4.7	EA	748	\$715.00	\$534,820.00
26	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth	500-12	EA	700	\$1,575.00	\$1,102,500.00
27	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth	500-12	EA	48	\$1,740.00	\$83,520.00
28	Main Bid	237110	Service Lateral Rehabilitation with Manually Excavated Cleanout up to 7 ft in Depth	501-9	EA	1	\$3,600.00	\$3,600.00
29	Main Bid	237110	Service Lateral Rehabilitation with Manually Excavated Cleanout Greater than 7 ft in Depth	503-6	EA	1	\$4,050.00	\$4,050.00
30	Main Bid	541330	Traffic Control and Working Drawings	503-6	LS	1	\$5,000.00	\$5,000.00
31	Main Bid	541330	WPCP Development	503-6	LS	1	\$550.00	\$550.00
32	Main Bid	237310	WPCP Implementation	503-6	LS	1	\$1,000.00	\$1,000.00
33	Main Bid	237310	Additional Sidewalk	601-7	SF	250	\$10.00	\$2,500.00
34	Main Bid	237310	Remove and Replace Existing Sidewalk	1001-4.2	SF	500	\$10.00	\$5,000.00
							Subtotal	\$3,258,440.00
							Total	\$3,258,440.00