

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless Corp.
ADDRESS: 22118 S. Vermont Ave., Torrance, CA 90502
TELEPHONE NO.: (310) 329-8717 FAX NO.: _____
CITY CONTACT: Celina Suarez, Contract Specialist, Email: CSuarez@sandiego.gov
Phone No. (619) 533-6678
J. Ramos-Bañuelos / E. Wildberger / L. I. Russell

BIDDING DOCUMENTS



FOR

PIPELINE REHABILITATION BA-1

BID NO.: K-21-1996-DBB-3
SAP NO. (WBS/IO/CC): B-20014
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 7
PROJECT TYPE: JA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

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

BID DUE DATE:

**2:00 PM
MARCH 9, 2021**

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:

Sheila Bose
For City Engineer

1/26/21
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	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	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 for Prime Contractors	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
6.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
7.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
8.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
9.	Contractor's Experience and Past Project Documentation. See SSP and 2018 WB Section 500-2.1, "Initial Submittals 1a"	At Time of Bid	ALL BIDDERS
10.	Manufacturer Authorized Installer Certification. See SSP and 2018 WB Section 500-2.1, "Initial Submittals 1b"	At Time of Bid	ALL BIDDERS

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
11.	Phased Funding Schedule Agreement (when required)	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	AWARDED BIDDER
12.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER
13.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER
14.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	AWARDED BIDDER
15.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER

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 BA-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 **\$3,650,000**.
4. **BID DUE DATE AND TIME ARE:** **March 9, 2021 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 C34**
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	8.1%
2. ELBE participation	14.2%
3. Total mandatory participation	22.3%
 - 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 (GFE) documentation, saved in searchable Portable Document Format (PDF), demonstrating the Bidder made a good faith effort to **conduct** outreach to and include SLBE-ELBE Subcontractors as required in this solicitation by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

All submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via PlanetBids by invitation to the point of contact named in the bid provided by the Contract Specialist to all bidders.

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.
- 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 the Engineering & Capital Projects 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:

Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Celina Suarez

OR:

CSuarez@sandiego.gov

- 9.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 9.3. 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.

- 9.4. Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to 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 an 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 online. 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 Engineering & Capital Projects Department 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”) http://www.greenbookspecs.org/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)* https://www.sandiego.gov/ecp/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-05
CALTRANS Standard Plans https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 5 (CA MUTCD 2014 Rev 5) http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5	2014	PWPI042220-09

Title	Edition	Document Number
<p>NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/ *Electronic updates to the Standard Drawings may also be found in the link above</p>		

9. **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.

10. **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.

11. **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.

12. **SUBCONTRACTOR INFORMATION:**
 - 12.1. **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 **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions – 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.

- 12.2. **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.
- 12.3. **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.
13. **SUBMITTAL OF “OR EQUAL” ITEMS:** See Section 4-6, “Trade Names” in The WHITEBOOK and as amended in the SSP.
14. **AWARD:**
 - 14.1. The Award of this contract is contingent upon the Contractor’s compliance with all conditions precedent to Award.
 - 14.2. 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.
 - 14.3. 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.
15. **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.

16. **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 Engineering & Capital Projects Department, Contracts Division.
17. **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.
18. **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.
19. **BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
 - 19.1. 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.
 - 19.2. 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.
 - 19.3. 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.
 - 19.4. 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. By 5PM, 3 working days after the bid opening date, all bidders must provide the City with the original bid security.
 - 19.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original by 5PM, 3 working days after the bid opening date shall cause the bid to be rejected and deemed **non-responsive**.

Due to circumstances related to Covid-19, until further notice, all original bid bond submittals must be received by 5 PM, 3 working days after bid opening.

Upon circumstances returning to normal business as usual, the original bid bond shall once again be due by 5 PM the day after bid opening.

Original Bid Bond shall be submitted to:
Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
To the Attention of the Contract Specialist on the Front Page of this solicitation.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3. 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.
- 20.4. 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.
- 20.5. 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.
- 20.6. 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.
- 20.7. 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.
- 20.8. 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.

21. BID RESULTS:

- 21.1. 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.

- 21.2. 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.

22. THE CONTRACT:

- 22.1. 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.
- 22.2. 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.
- 22.3. 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.
- 22.4. 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.
- 22.5. 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 herein and in the Notice of Intent To 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

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 **Two Million Five Hundred Ninety Three Thousand Fifty Two Dollars (\$2,593,052.00)** for the faithful performance of the annexed contract, and in the sum of **Two Million Five Hundred Ninety Three Thousand Fifty Two Dollars (\$2,593,052.00)** 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, (ii) 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.

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

The Surety expressly agrees that the City of San Diego may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

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

Dated April 8, 2021

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:

By

Stephen Samara

Mayor or Designee

Stephen Samara

Principal Contract Specialist
Engineering & Capital Projects

790 The City Drive South Suite 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(714) 634-5720

Local Telephone No. of Surety

Premium \$ 21,963.00

Bond No. 024251551



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)
County of Los Angeles)

On 4-14-21 before me, Robert Bolger, Notary Public

Date Here Insert Name and Title of the Officer

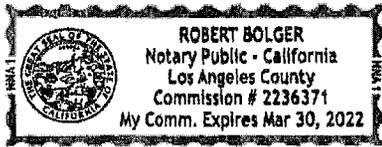
personally appeared Justin Duchaineau

Name(s) of Signer(s)

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.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

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

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

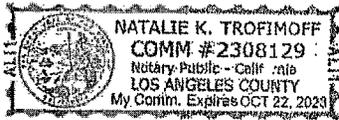
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

On 4-8-21, before me, Natalie K. Trofimoff, 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: *Natalie K. Trofimoff*
Natalie K. Trofimoff, 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. For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



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: 024251551 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 12th day of March, 2021.



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

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

STATE OF PENNSYLVANIA
COUNTY OF MONTGOMERY

89

On this 12th day of March, 2021, 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 - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
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 8th day of April, 2021.



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

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** Construction of Pipeline Rehabilitation BA-1 consists of trenchless rehabilitation of 28,088 linear feet (5.32 miles) of existing 8-inch, 10-inch, and 12-inch diameter vitrified clay sewer mains and 14 segments of existing 8-inch diameter vitrified clay sewer main will include point repairs. Work will include the installation of new sewer manholes, new sewer cleanouts, manhole repairs, rehabilitation of existing sewer manholes, rehabilitation of sewer laterals, and all appurtenances in accordance with these specifications. In addition, all existing laterals will be rehabilitated from the property line to the sewer mains and assessed by CCTV. Scope includes preparation of D-sized engineered traffic control plans by a registered engineer. All required approval and associated permits for traffic control is the responsibility of the contractor. See bid item Traffic Control and Engineered Traffic Control Plans. Additionally, E&O insurance is required see Section 5-4.10 and Section 601-2.1.2.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Appendix H, Site Maps, Work to be Done, and Monument Sheets, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See **Appendix E – Location Map**
3. **CONTRACT TIME:** The Contract Time for completion of the Work, shall be **334 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. 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

BID NUMBER: K-21-1996-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation BA-1

CONTRACTOR: Southwest Pipeline and Trenchless Corp.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include Bonds, Mobilization, videotaping of conditions, pipeline rehabilitation of 10,560 linear feet (2.0 miles - <i>minimum</i>) of sewer mains and related appurtenances.	Notice to Proceed (NTP)	02/28/2022	\$ 1,393,052.00
2	Work to be completed in Phase 2 shall include rehabilitation of the remaining sewer mains along with the construction activities associated with this contract and speculations.	03/01/2022	Notice of Completion (NOC)	\$ 1,200,000.00
Contract Total				\$ 2,593,052.00

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

PRINT NAME: Dino Gafur

Construction Senior Engineer

Signature: 

Date: 4-20-2021

PRINT NAME: Sheila Bose

Design Senior Engineer

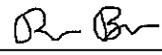
Signature: 

Date: 4/13/21

CONTRACTOR

PRINT NAME: Robert Bolger

Title: PM, Secretary

Signature: 

Date: 4/13/21

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.

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

0-12 CONTRACT RECORDS AND REPORTS. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City's authorized representatives.
3. You shall submit the following reports using the City's web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

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 their 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. The unused portion of the Field Order shall revert to the City upon Acceptance.
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** - An inspection the City uses to verify the completion of the Project or 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. **Acceptance** – When all of the Contract Work, including all Punchlist items, is deemed officially complete by the City Asset Owning Department or Deputy City Engineer.
109. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.
110. **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.

1-7.1.3 **Requests for Information (RFI).** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. Should You discover a conflict, omission, errors in the Contract Documents, differences with existing field conditions, or have any questions concerning interpretation or clarification of Contract Documents, or when you propose deviations to the standards or design, you shall submit a Request for Information (RFI) to the City regarding your question or clarification within **1 Working Day**.

2. Your RFI shall meet the following requirements:
 - a) All RFIs, whether by You or your Subcontractor or supplier at any tier, shall be submitted by You to the City.
 - b) RFIs shall be numbered sequentially.
 - c) You shall clearly and concisely set forth the single issue for which interpretation or clarification is sought, indicate Specification Section numbers, Contract Drawing numbers, and details, or other items involved, and state why a response is required from the City.
 - d) RFIs shall be submitted within **1 Working Day** in order that they may be adequately researched and answered before the response affects any critical activity of the Work.
 - e) Should You believe that a response to an RFI causes a change to the requirements of the Contract, You shall, before proceeding, give written notice to the City, indicating that You believe that City response to the RFI to be a Change Order. Failure to give such written notice within **5 Working Days** of receipt of the City's response to the RFI shall waive Your right to seek additional time or cost.
3. The City will respond to RFIs within **5 Working Days** unless the City notifies You in writing that a response will take longer. The **5 Working Days** shall begin when the RFI is received and dated by the City. Responses from the City will not change any requirement of the Contract unless so noted by the City in the response to the RFI. The City will not issue a Change Order for Extra Work or additional time when the issue raised in the RFI was due to your fault, neglect, or any unauthorized deviations from the project design or specifications.
4. If You proceed in resolving a conflict, omission, or any error in the Contract Documents without sending the City an RFI in accordance with the requirements stated above, the City may require You to remove such work at Your cost or back charge You the cost to remove this work.

1-7.2 Contract Bonds. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Before execution of the Contract, file payment and performance bonds with the City to be approved by the Board in the amounts and for the purposes noted. Bonds shall be executed by a responsible surety as follows:
 - a) If the Work is being funded with state or local money, consistent with California Code of Civil Procedure §995.670, the Surety shall be an "admitted surety" authorized by the State of California Department of Insurance to transact surety insurance in the State.
 - b) If the Work is being funded with federal money, the Surety shall be listed in the U.S. Treasury Department Circular 570 and shall be in conformance with the specified Underwriting Limitations.

To the "WHITEBOOK", item 2, subsection "a", subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i. A "Payment Bond" (Materials and Labor Bond) is optional. If no bond is submitted, no payment shall be made until 35 Calendar Days after Acceptance and any lien requirements have been fulfilled. If a bond is submitted, progress payments shall be made in accordance with these Specifications.

To the "WHITEBOOK", item 2, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) For Contracts over \$100,000:
 - i. A "Payment Bond" (Materials and Labor Bond) for 100% of the Contract Price to satisfy claims of material Suppliers and of mechanics and laborers employed on the Work. You shall maintain the bond in full force and effect until Acceptance and until all claims for materials and labor are paid and shall otherwise comply with the Government Code.
 - ii. A "Faithful Performance Bond" for 100% of the Contract Price to guarantee faithful performance of Work, within the time prescribed and in a manner satisfactory to the City, that materials and workmanship shall be free from original or developed defects.

To the "WHITEBOOK", item 7, DELETE in its entirety and SUBSTITUTE with the following:

7. You shall require the Surety to mail its standard "Bond Status" form to the Engineer at the following address:

Deputy Director
Construction Management and Field Engineering Division
9573 Chesapeake Drive San Diego, CA 92123

SECTION 2 - SCOPE OF THE WORK

2-2 PERMITS, FEES, AND NOTICES. To the "WHITEBOOK", ADD the following:

2. The City will obtain, at no cost to you, the following permits:
 - a) MTS Encroachment Permit

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.

3-3 SUBCONTRACTORS. To the “WHITEBOOK”, ADD the following:

6. When a Subcontractor fails to prosecute a portion of the Work in a manner satisfactory to the City, you shall remove such Subcontractor immediately upon written request of the City, and shall request approval of a replacement Subcontractor to perform the Work in accordance with California Public Contract Code (PCC), Subletting and Subcontracting, Section 4107, at no added cost to the City.

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 I – Rehab Data Collection - Sewer Mains Sample Data Template, Appendix J – Rehab Data Collection – Manhole Sample Data Template, Appendix K – Rehab Data Collection – Laterals Sample Data Template**).
 - a) Laterals
 - b) Sewer Mains
 - c) Manholes

3-9 TECHNICAL STUDIES AND SUBSURFACE DATA. To the “WHITEBOOK”, ADD the following:

5. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests at the Work Site:
 - a) As-Builts Catalog
6. The reports listed above are available for review at the following link:
<https://drive.google.com/drive/folders/1fyA1h279f8GLRYcpxXF7IKpjJllyfQti?usp=sharing>

3-10 SURVEYING. To the “GREENBOOK” and “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

3-10 SURVEYING (DESIGN-BID-BUILD).

3-10.1 General.

1. You shall provide all required site layout and general grade checking work not specified in 3-10.2, “Survey Services Provided by City.
2. Notify the City, in writing, at least 2 Working Days prior to requesting survey services provided by the City.

3-10.2 Survey Services Provided by City.

1. Monument Perpetuation, including mark-outs, you are responsible for requesting the coordination of Monument Perpetuation, including mark-outs.
 - a) If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the City Engineering Support & Technical Services Division's Land Survey Section (LSS), via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.
2. The following surveying services (including construction staking), as defined in California Business & Professions Code §8726, shall be provided by the City:
 - a) Locating or establishing alignment or elevations of all features or structures shown on project Plans.
 - b) Locating or establishing geodetic control points for all site feature or structure locations.
 - c) Produce topographic as-built data.
 - d) Locating, establishing, or re-establishing monuments, property lines, right-of-way lines, or easement lines.
 - e) Verifying structure finish grade elevations.
3. All construction survey stakes, control points, and other survey related marks provided by the City shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at your expense.

3-10.3 Payment.

1. The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

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.

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) If the Work includes installing an irrigation system, 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 any 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 within 5 Working Days of notification that 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", 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 has Beneficial Use or takes Occupancy of the project earlier (excluding water, sewer, and storm drain projects).
2. You shall warranty the Work free from all latent defects for 10 years and patent defects for a period of 4 years.
3. The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence on the date they are placed into service at the direction of the Engineer in writing.
4. All express warranties from Subcontractors, manufacturers', or Suppliers', of any tier, for the materials furnished and Work performed shall be assigned, in writing, to the City, and shall be delivered to the Engineer prior to the Acceptance of your performance of the Contract.
5. Replace or repair defective materials and workmanship in a manner satisfactory to the Engineer after notice to do so from the Engineer and within the time specified in the notice. If you fail to make such replacements or repairs within the time specified in the notice, the City may perform the replacement or repairs at your expense. If you fail to reimburse the City for the actual costs, your Surety shall be liable for the cost
6. Items that shall be warranted free from defective workmanship and materials for a period longer than 1 year are as follows:

Specified Item	Minimum Warranty Period
Detectable Warning Tile Construction	3 Years of Manufacturer's Warranty
All Work Under SECTION 500 - PIPELINE REHABILITATION	3 Years
Fiber Optic Interconnect Cables	2 Years
Luminaires*	10 Years of Manufacturer's Warranty

Specified Item	Minimum Warranty Period
LED Signal Modules	3 Years of Manufacturer's Warranty
Field Devices Associated with 700-6.3, "Adaptive Control Note"	See 700-6.3.9, "Warranty"

* Provide documentation verifying that the induction luminaire models being offered for the Project are covered by the 10 year warranty.

7. If installed, you shall provide the City and property owner a copy of the manufacturer's warranty for private sewer pumps, including the alarm panel and all other accessories.
 - a) You shall involve the manufacturer in the installation and startup as needed to secure any extended warranty required.
 - b) Nothing in here is intended to limit any manufacturer's warranty which provides the City with greater warranty rights than set forth in this section or the Contract Documents.
 - c) The warranty shall include all components. The form of the warranty shall be approved by the Engineer in accordance with 3-13.3.2, "Warranty Format Requirements".
8. If, during the warranty period, any item of the Work is found to be Defective Work, you shall correct it promptly after receipt of written notice from the City to do so. The warranty period shall be extended with respect to portions of the Work corrected as part of the warranty requirements.

3-15.3 Coordination. To the "WHITEBOOK", ADD the following:

2. Other adjacent City projects are scheduled for construction for the same time period in this vicinity. See **Appendix F – Adjacent Projects Map** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Block 7R Allied Garden UUD, B-12064,
Project Manager, Bijar Mizori (619) 235-1947
 - b) Alvarado Trunk Sewer Phase 4
Project Manager, Neda Shahrara (858) 627-3215
 - c) Pipeline Rehabilitation AT-1
Project Manager, Amir Ruhi (858) 627-3262
 - d) Pipeline Rehabilitation AA-1
Project Manager, Neda Shahrara (858) 627-3215
 - e) Residential Block 7R1
Project Manager, Mario Reyes (858) 492-5038

- f) New Streetlights - 19 Locations
Project Manager, Mohit Mehrotra (858) 495-7894
- g) Slurry Seal Group 2021
Project Manager, Aida Vance (619) 527-8074

SECTION 4 - CONTROL OF MATERIALS

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:

<https://www.sandiego.gov/ecp/edocref/>

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.
- 5-4.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).**
1. For Contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), and etc.) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.
 2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.

3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

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", items 2 and 3, DELETE in their entirety and SUBSTITUTE with the following:

2. No less than 5 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project. Verbal and written notifications shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Resident Engineer. You shall keep records of the people contacted, along with the dates of notification, and shall provide the record to the Engineer upon request. You shall identify all other critical facilities that need to be notified.
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.

5-13 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Virtual Project Manager shall be used on this Contract.
2. You shall post all communications addressed to the Engineer concerning construction including RFIs, submittals, daily logs including the Weekly Statement of Working Days (WSWD), Storm Water, and transmittals to the Virtual Project Manager (VPM) website established for the Projects. This shall not supersede any Federal requirements.
3. Maintain a list of scheduled activities including planned and actual execution dates for all major construction activities and milestones defined in the approved Schedule.
4. Review and act on all communications addressed to you in the VPM project website.

5. A user's guide to the VPM system is available on the City's website and shall be provided to you at the Pre-construction Meeting. Refer to the VPM training videos and forms at the location below:

<https://www.sandiego.gov/ecp/edocref/>

6. Submit the Sensitive Information Authorization Acknowledgement Form and VPM User Agreement located in the VPM user's guide at the Pre-construction Meeting.

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

10. If your construction activities have encountered flammable liquids or other hazardous substances, you shall ensure that construction staff have the required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. 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.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

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

- e) Monthly progress payments are contingent upon the submittal of an updated Schedule to the Engineer. The Engineer may refuse to process the whole or part of any monthly payment if you refuse or fail to provide an acceptable schedule.
- 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.
 - ii. See also the "Cash Flow Forecast Example" at the location below:

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.

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 can be found in **Appendix G – Moratorium Map**.

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 by June 30th, 2022. The remaining work 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".

6-4.4 **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.

ADD:

6-6.1.1 **Environmental Document.**

1. The City of San Diego has prepared a **Addendum to Mitigated Negative Declaration** for **Pipeline Rehabilitation BA-1**, Project No. **660676**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Addendum to Mitigated Negative Declaration** 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.

6-6.2.1 Archaeological and Native American Monitoring Program. To the "WHITEBOOK", ADD the following:

4. You shall retain a qualified archaeologist and Native American Monitor for this Contract. You shall coordinate your activities and Schedule with the activities and schedules of the archaeologist and Native American monitor. Notify the Engineer before noon of the Working Day before monitoring is required. See 3-5, "INSPECTION" for details.

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1 General. To the "GREENBOOK" and "WHITEBOOK", paragraph (8), DELETE in its entirety and SUBSTITUTE with the following:

If, within the time fixed by law, a properly executed notice to stop payment is filed with the City, due to your failure to pay for labor or materials used in the Work, all money due for such labor or materials will be withheld from payment in accordance with applicable laws.

To the "WHITEBOOK", ADD the following:

1. Unless specified otherwise, the Contract Price includes use, consumer, and other taxes mandated by applicable legal requirements.
2. As provided in §7105 of the California Public Contract Code, if the Contract is not financed by revenue bonds, you are not responsible for the cost of repairing or restoring damage to the Project when damage was proximately caused by an act of God, in excess of 5% of the Contract Price, if the following occur:
 - a) The Project damaged was built in accordance with the Contract requirements.
 - b) There are no insurance requirements in the Contract for the damages.

7-3.2 Partial and Final Payment. To the "GREENBOOK", paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. Documentation for an escrow payment shall have an escrow agreement signed by you, the City, and the escrow agent. From each progress payment, no less than 5% will be deducted and deposited by the City into the escrow account. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the designated representative of the City shall sign the request for the release of Escrow funds.

To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents:
 - a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.
 - b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.
 - c) Consent of Surety to Final Payment.
 - d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
 - e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
 - f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.
 - g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments.

7-3.2.1

Application for Progress Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The City shall not pay progress or partial payments until you submit to the Engineer an acceptable updated Schedule. It is solely your responsibility to prepare and submit the Schedule updates.

7-3.2.2 Amount of Progress Payments. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The City will pay 6% annually for late progress payments.
2. Progress payments will be considered "late" if the following occur:
 - a) The City does not pay the contractor within 30 Calendar Days from receipt of an undisputed and properly submitted invoice. A properly submitted payment invoice means that the City has approved for payment the entire invoice amount or if the Resident Engineer has not disputed any portion of the application within 7 Calendar Days of the date of submission.
 - b) The application for payment does not require signing of a Contract Change Order.
3. The Engineer may withhold payment for any of the following reasons:
 - a) Defective or incomplete Work.
 - b) Not providing an updated and accurate Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule".
 - c) Stop notices, wage orders, or other withholdings required by Applicable Law. Your failure to comply with 5-3.3, "Payroll Records" and the Contractor Registration and Electronic Reporting System requirements of the Contract Documents.
4. The Engineer may back charge the contract for any of the following reasons:
 - a) Defective or incorrect Work not remedied.
 - b) Damage to City property or a third party's property that was caused by you.
 - c) Liquidated Damages.

7-3.2.3 Waiver of Claims at Final Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your acceptance of Final Payment constitutes a waiver of affirmative Claims by you, except those previously made in writing and identified as unsettled at the time of Final Payment.

7-3.2.4 Withholding of Payment and Back Charge. To the "WHITEBOOK", DELETE in its entirety.

7-3.5.1

General. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Unit Bid prices shall not be subject to adjustment regardless of quantity used, or if none is used, for the following Bid items:
 - a) imported backfill
 - b) shoring
 - c) water services
 - d) house connection sewers
 - e) water pollution control items
2. Upon discovery and prior to the Work, you shall notify the Resident Engineer if there is a change in Bid item quantity that increases the total Contract Price by 5% or \$100,000 or more, whichever is less.

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

Contract Price	Maximum Field Order Work Amount
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.

SECTION 302 – ROADWAY SURFACING

302-4.5 Scheduling, Public Convenience and Traffic Control. To the “GREENBOOK”, paragraphs (1) and (2), DELETE in their 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.

SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

303-5.1.1 General. To the “WHITEBOOK”, ADD the following:

7. For the purposes of this section, the terms “walk” and “access ramp” shall be synonymous with “sidewalk” and “curb ramp and pedestrian ramp”, respectively.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

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 402 – UTILITIES

402-2 **PROTECTION.** To the "WHITEBOOK", item 2, ADD the following:

- g) Refer to **Appendix Q - Advanced Metering Infrastructure (AMI) Device Protection** for more information on the protection of AMI devices.

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", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit the following required information at the time of Bid Opening:
 - 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.
 - i. The installation of the lining system shall be performed by a contractor authorized, certified, or both by the manufacturer or owner of the process.

- ii. You shall submit a copy of the authorizations, certifications, or both from all manufacturers listed on the City's Approved Material List (AML) that will be used for the Work that includes the name, address, point of contact, and telephone number of the manufacturer.

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

601-2.1.2 **Engineered Traffic Control Plans (TCP).** To the "WHITEBOOK", ADD the following:

- 5. Engineered TCP (2-foot x 3 foot size) shall be required for the following areas:
 - a) Fairmount Ave (map 2). all
 - b) Mission Gorge Rd (maps 2, 7, 8, 9). all
 - c) Zion Ave (maps 4, 6, 7). all

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.

601-3.6 **Channelizing Devices.** To the "WHITEBOOK", item 4, Barricades, ADD the following:

- h) You shall place "OPEN TRENCH" signs (C27(CA)) on Type 3 Barricade within the construction Work zone, ahead of any Work areas with open trenches that are greater than 3 inches in depth, in accordance with California MUTCD SECTION 6F.103 (CA). The barricades shall be placed in a continuous manner and shall prevent pedestrian, vehicular, and biker access to the open trench area.

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**.
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SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A

ADDENDUM TO MITIGATED NEGATIVE DECLARATION



THE CITY OF SAN DIEGO

ADDENDUM TO MITIGATED NEGATIVE DECLARATION

Project No. 660676
Addendum to MND No. 255100
SCH No. 2011091045

SUBJECT: Pipeline Rehabilitation BA-1: DEVELOPMENT SERVICES DEPARTMENT APPROVAL trenchless rehabilitation of approximately 24,673 linear feet (4.67 miles) of existing 8, 10, and 12-inch diameter vitrified clay sewer mains identified as needing maintenance and rehabilitation due to age and deterioration. In addition, approximately 4,236 linear feet (0.80 miles) of rehabilitated pipe will include seventeen (17) point repairs coming to a total of approximately 28,909 linear feet (5.48 miles) of rehabilitated 8, 10, and 12-inch sewer mains. The project also includes approximately 33 manhole rehabilitations, 30 new sewer main cleanouts, 6 manholes to be replaced-in-place, 3 new manholes, and 633 lateral rehabilitations. Point repairs, new cleanouts, new manholes, and manholes to be replaced-in-place would require open trenching within the existing utility alignments. Open trenching will occur within the paved right of way and within city easements on private property. **Applicant:** City of San Diego Public Works Department, Right-of-Way Design Division

I. SUMMARY OF PROPOSED PROJECT

Project Location: The Pipeline Rehabilitation BA-1 project is located within the Navajo Community Planning Area (Council District 7). The project is generally bounded by; Interstate 8 to the south, Fairmount Avenue to the west, Princess View Drive and College Avenue to the east, and Friars Road and Mission Gorge Road to the north.

Project Description: The proposed scope of work proposes trenchless rehabilitation of approximately 24,673 linear feet (4.67 miles) of existing 8, 10, and 12-inch diameter vitrified clay sewer mains identified as needing maintenance and rehabilitation due to age and deterioration. In addition, approximately 4,236 linear feet (0.80 miles) of rehabilitated pipe will include seventeen (17) point repairs coming to a total of approximately 28,909 linear feet (5.48 miles) of rehabilitated 8, 10, and 12-inch sewer mains. The project also includes 33 manhole rehabilitations, 30 new sewer main cleanouts, 6 manholes to be replaced-in-place, 3 new manholes, and 633 lateral rehabilitations. Point repairs, new cleanouts, new manholes, and manholes to be replaced-in-place would require open trenching within the existing utility alignments. The project also includes street resurfacing and construction of new curb ramps throughout the Project area.

Construction methods will include:

1. Rehabilitation: Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.
2. Open Trench: The open trench method of construction will be used for manhole replacement, installation of manholes, and installation of new sewer cleanouts. Trenches are typically 5x5 feet wide and are dug with excavators and similar large construction equipment.
3. Potholing: Potholing would be used to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street or pavement.
4. Point Repairs: Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

The Pipeline Rehabilitation BA-1 project is part of the City of San Diego's on-going Sewer Main Replacement Program. The existing sewer mains are old and are nearing the end of their service life. Construction of the project will reduce maintenance requirements, correct hydraulic deficiencies, improve reliability and accessibility, and bring the sewer main system up to current design standards.

The project would comply with the requirements described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation's *Manual of Traffic Controls for Construction and Maintenance Work Zones*. A traffic controls plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. Best Management Practices will be required and specified within the approved Water Pollution Control Plan for erosion control and storm drain inlet protection.

II. ENVIRONMENTAL SETTING

The Pipeline Rehabilitation BA-1 project would primarily occur within the developed public right-of-way and public utility easements of previously disturbed private property with the City of San Diego described above under Project Location. Surrounding land uses include existing residential, institutional, industrial, and commercial developments, and open space areas. See attached Mitigated Negative Declaration for the environmental setting for the overall Citywide Pipeline Projects.

III. SUMMARY OF ORIGINAL PROJECT

A Citywide Pipelines Projects Mitigated Negative Declaration (MND) No. 255100 was prepared by the City of San Diego's Development Services Department (DSD) and was certified by the City Council on

November 30, 2011 (Resolution No. 307122). The Citywide Pipelines Projects MND provides for the inclusion of subsequent pipeline projects that are located within the public right-of-way and would not result in any direct impacts to sensitive biological resources. Pursuant to the City of San Diego's Municipal Code Section 128.0306 and Section 15164(c) of State CEQA Guidelines addenda to environmental documents are not required to be circulated for public review.

IV. ENVIRONMENTAL DETERMINATION

The City previously prepared and adopted the Citywide Pipelines Projects Mitigated Negative Declaration (MND No. 255100/SCH No. 2011091045). Based on all available information in light of the entire record, the analysis in this Addendum, and pursuant to Section 15162 of the State CEQA Guidelines, the City has determined the following:

- There are no substantial changes proposed in the project which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- Substantial changes have not occurred with respect to the circumstances under which the project is undertaken which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- There is no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental document was certified as complete or was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous environmental document;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous environmental document;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
 - d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous environmental would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based upon a review of the current project, none of the situations described in Sections 15162 and 15164 of the State CEQA Guidelines apply. No changes in circumstances have

occurred, and no new information of substantial importance has manifested, which would result in new significant or substantially increased adverse impacts as a result of the project. Therefore, this Addendum has been prepared in accordance with Section 15164 of the CEQA State Guidelines. Public review of this Addendum is not required per CEQA.

V. IMPACT ANALYSIS

The following includes the project-specific environmental review pursuant to the CEQA. The analysis in this document evaluates the adequacy of the MND relative to the project.

Archaeological Resources

The Citywide Pipelines Project MND No. 255100 concluded that pipeline projects located within the public right-of-way and city easements could result in significant environmental impacts relating to archaeological resources, which included mitigation to reduce impacts to archaeological resources to below a level of significance. Portions of the project area identified with the Pipeline Rehabilitation BA-1 project would include excavation of previously undisturbed soil which has the potential to contain sensitive archaeological resources.

To reduce potential archaeological resource impacts to below a level of significance, all excavation within previously undisturbed soil would be monitored by a qualified archaeologist or archaeological monitor and Native American monitor. Any significant archaeological resources encountered would be recovered and curated in accordance with the mitigation monitoring and Reporting Program (MMRP) detailed in Section V.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the Mitigated Negative Declaration. The project would not result in any new significant impact, nor would a substantial increase in the severity of impacts from that described in the Mitigated Negative Declaration result.

VI. MITIGATION, MONITORING, AND REPORTING PROGRAM (MMRP) INCORPORATED INTO THE PROJECT

Cultural Resources (Archaeology)

I. Prior to Permit Issuance or Bid Opening/Bid Award

A. Entitlements Plan Check

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Archaeological Monitoring and Native American monitoring have been noted on the applicable construction documents through the plan check process.

B. Letters of Qualification have been submitted to ADD

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring

program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.

2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

II. Prior to Start of Construction

A. Verification of Records Search

1. The PI shall provide verification to MMC that a site specific records search (1/4 mile radius) has been completed. Verification includes, but is not limited to a copy of a confirmation letter from South Coastal Information Center, or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.
3. The PI may submit a detailed letter to MMC requesting a reduction to the ¼ mile radius.

B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.
 - a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
3. Identify Areas to be Monitored
 - a. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
 - b. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
 - c. MMC shall notify the PI that the AME has been approved.
4. When Monitoring Will Occur

- a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
 - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
5. Approval of AME and Construction Schedule
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
 2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are encountered during the Native American consultant/monitor's absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.
 3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
 4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSVR). The CSVR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
 2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.

3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
 4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.
- C. Determination of Significance
1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
 - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
 - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume.

Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.

 - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
 - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.
 - (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
 - (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance can not be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way
- The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:
1. Procedures for documentation, curation and reporting
 - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed

and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.

- b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
- c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
- d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

IV. **Discovery of Human Remains**

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken:

- A. Notification
 1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
 2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.
- B. Isolate discovery site
 1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
 2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
 3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.
- C. If Human Remains **ARE** determined to be Native American
 1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
 2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
 3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
 4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.

5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
 - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
 - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
 - c. To protect these sites, the landowner shall do one or more of the following:
 - (1) Record the site with the NAHC;
 - (2) Record an open space or conservation easement; or
 - (3) Record a document with the County.
 - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.
- D. If Human Remains are **NOT** Native American
 1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
 2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
 3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of Man.

V. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
 1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
 2. The following procedures shall be followed.
 - a. No Discoveries
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSVR and submit to MMC via fax by 8AM of the next business day.
 - b. Discoveries
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV – Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
 - c. Potentially Significant Discoveries

If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.

- d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
 2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

VI. Post Construction

- A. Submittal of Draft Monitoring Report
 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. **It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**
 - a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
 - b. Recording Sites with State of California Department of Parks and Recreation
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.
 2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
 3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
 4. MMC shall provide written verification to the PI of the approved report.
 5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Artifacts
 1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
 2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.
- C. Curation of artifacts: Accession Agreement and Acceptance Verification

1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
 2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
 3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
 4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.
 5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
 2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

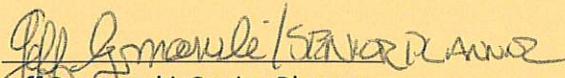
The above Mitigation Monitoring and Reporting Program may require additional fees and/or deposits to be collected prior to the issuance of building permits, certificates or occupancy and/or final maps to ensure the successful completion of the monitoring program.

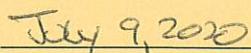
VII. IMPACT SIGNIFICANCE

The MND identified that all impacts would be mitigated to below a level of significance through mitigation. This Addendum also identifies that all significant project impacts would be mitigated to below a level of significance, consistent with the previously certified MND.

VIII. CERTIFICATION

Copies of the addendum, the adopted MND, the Mitigation Monitoring and Reporting Program, and associated project-specific technical appendices, if any, may be reviewed in the office of the Development Services Department, or purchased for the cost of reproduction.


 Jeff Szymanski, Senior Planner
 Development Services Department


 Date of Final Report

Analyst: Jeffrey Szymanski

Attachments:

Location Map

Mitigated Negative Declaration No. 255100/SCH No. 2011091045

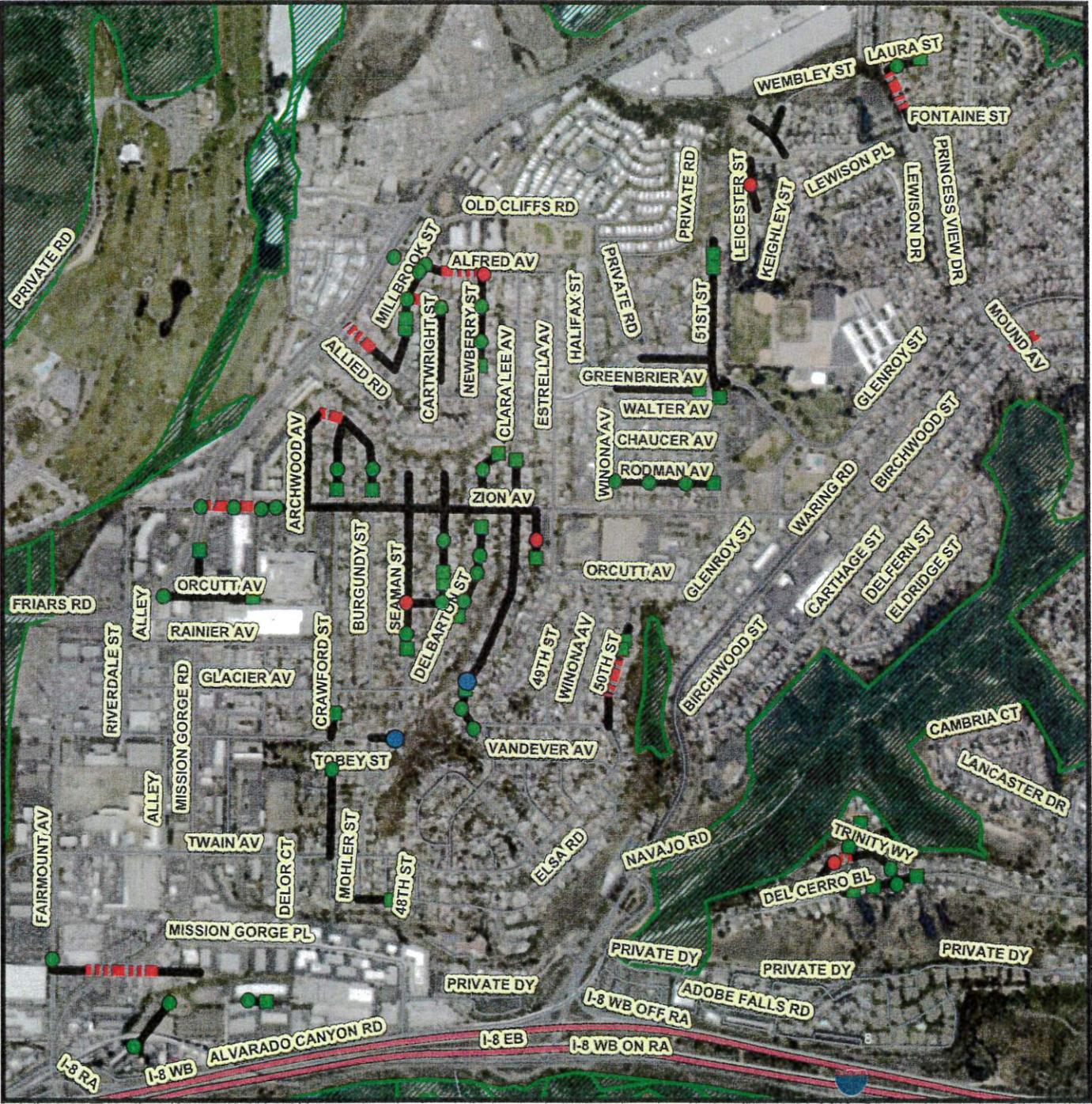
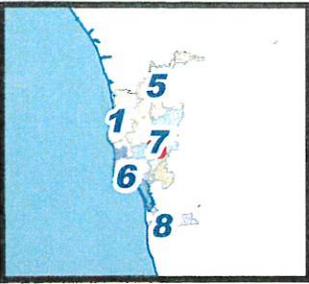
Pipeline Rehabilitation BA-1

SENIOR ENGINEER
Sheila Bose

PROJECT MANAGER
Jaime Ramos

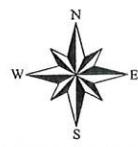
PROJECT ENGINEER
Kyle Nelson

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- New Manholes
- Rehab Manholes
- Proposed Cleanouts
- ▬▬▬ External Point Repair
- Replace Manholes
- Proposed Sewer Rehab
- MHPA



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APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

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

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- 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.

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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

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

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

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

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

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

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

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

7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

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

Water Department Director

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

APPENDIX D

SAMPLE CITY INVOICE 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

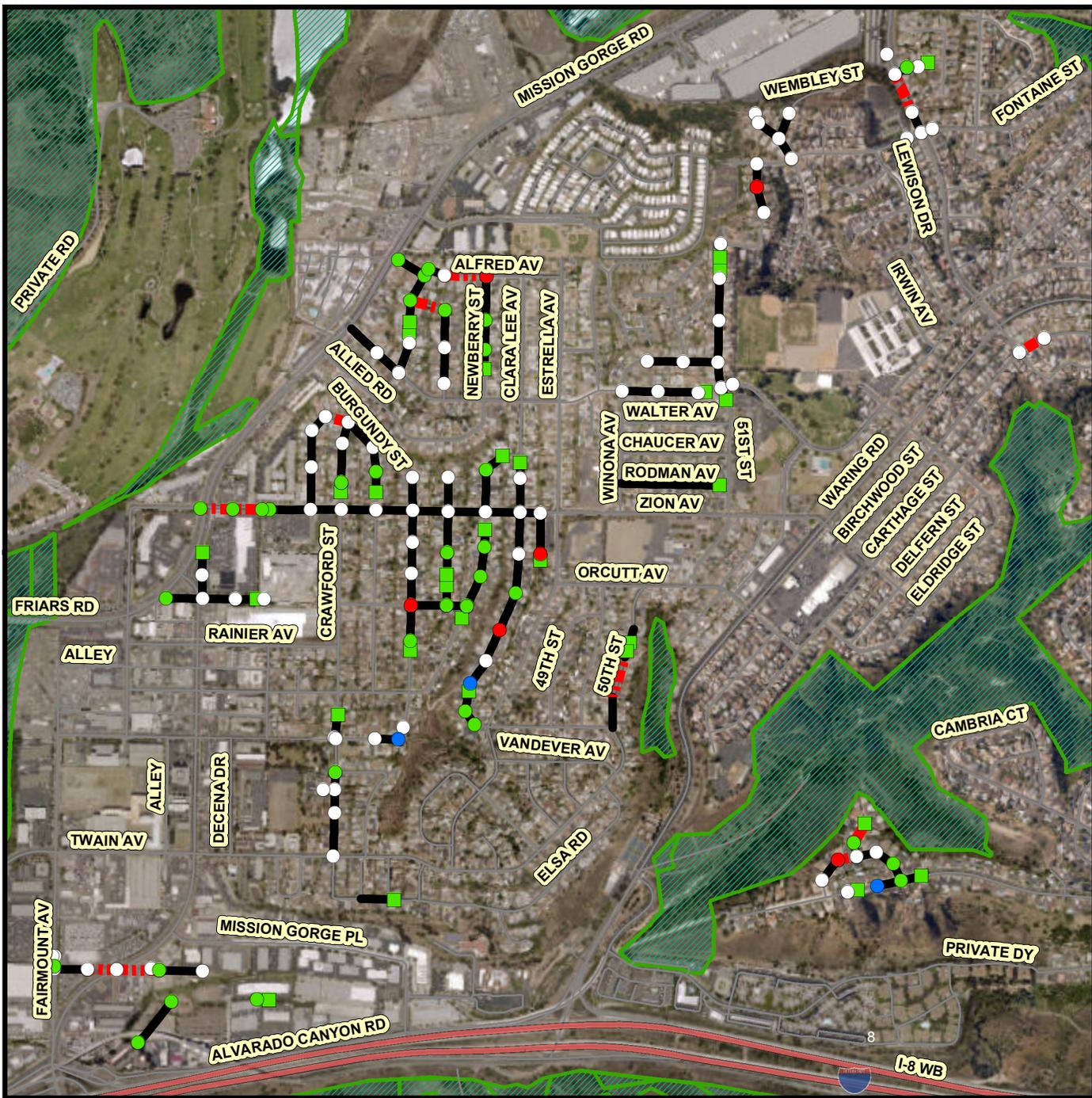
Pipeline Rehabilitation BA-1

SENIOR ENGINEER
Sheila Bose

PROJECT MANAGER
Jaime Ramos

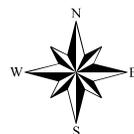
PROJECT ENGINEER
Kyle Nelson

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- Rehab Manholes
- Install New MH
- MH To Be Replaced
- Existing Manholes
- Proposed Cleanouts
- Proposed Sewer Rehab
- External Point Repair
- MHPA



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APPENDIX F
ADJACENT PROJECTS MAP

Pipeline Rehabilitation BA-1

SENIOR ENGINEER
Sheila Bose

PROJECT MANAGER
Jaime Ramos

PROJECT ENGINEER
Kyle Nelson

Slurry Seal Group 2021
Construction Start: 2/18/2020
Construction End: 12/18/2020
Aida Vance
AVance@sandiego.gov

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



UU970: Residential Project
Block 7R1
Construction:
7/15/2021-6/1/2022
Mario Reyes
mreyes@sandiego.gov

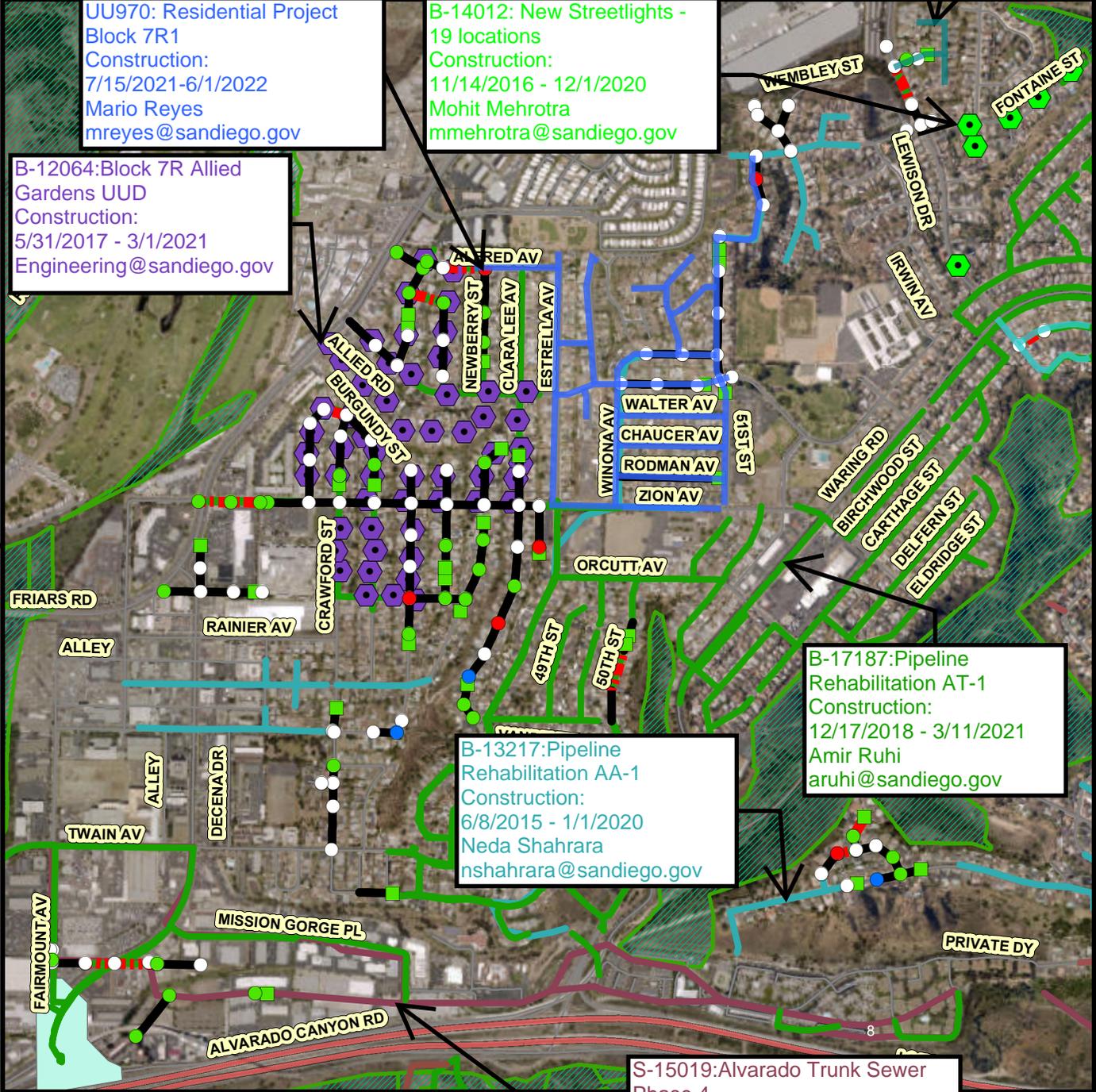
B-14012: New Streetlights -
19 locations
Construction:
11/14/2016 - 12/1/2020
Mohit Mehrotra
mmehrotra@sandiego.gov

B-12064: Block 7R Allied
Gardens UUD
Construction:
5/31/2017 - 3/1/2021
Engineering@sandiego.gov

B-17187: Pipeline
Rehabilitation AT-1
Construction:
12/17/2018 - 3/11/2021
Amir Ruhi
aruhi@sandiego.gov

B-13217: Pipeline
Rehabilitation AA-1
Construction:
6/8/2015 - 1/1/2020
Neda Shahrara
nshahrara@sandiego.gov

S-15019: Alvarado Trunk Sewer
Phase 4
Construction:
12/3/2020 - 3/21/2025
Neda Shahrara
nshahrara@sandiego.gov



Legend

- Rehab Manholes
- Existing Manholes
- Proposed Sewer Rehab
- Install New MH
- Proposed Cleanouts
- ▨ MHPA
- MH To Be Replaced
- External Point Repair



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APPENDIX G
MORATORIUM MAP

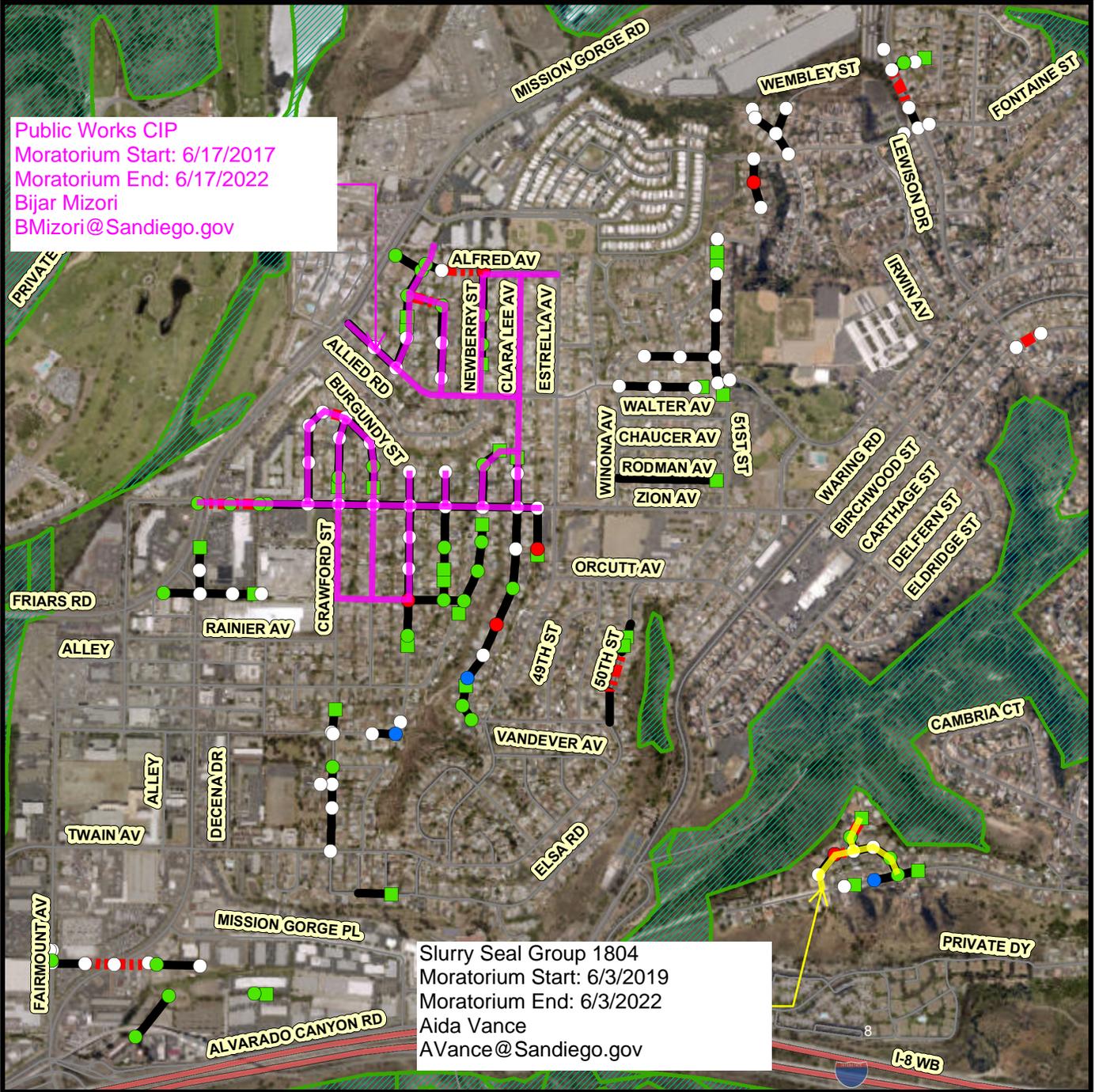
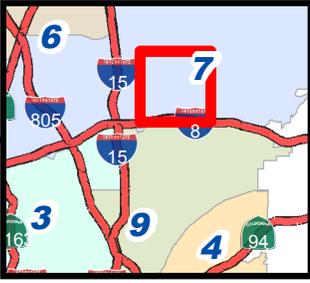
Pipeline Rehabilitation BA-1 Moratorium Map

SENIOR ENGINEER
Sheila Bose

PROJECT MANAGER
Jaime Ramos

PROJECT ENGINEER
Kyle Nelson

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Public Works CIP
Moratorium Start: 6/17/2017
Moratorium End: 6/17/2022
Bijar Mizori
BMizori@Sandiego.gov

Slurry Seal Group 1804
Moratorium Start: 6/3/2019
Moratorium End: 6/3/2022
Aida Vance
AVance@Sandiego.gov

Legend

- Rehab Manholes
- Existing Manholes
- Proposed Sewer Rehab
- Install New MH
- Proposed Cleanouts
- ▨ MHPA
- MH To Be Replaced
- External Point Repair



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APPENDIX H

SITE MAPS, WORK TO BE DONE, AND MONUMENT SHEETS

PIPELINE REHABILITATION BA-1

WORK TO BE DONE

CONSTRUCTION OF PIPELINE REHABILITATION BA-1 CONSISTS OF TRENCHLESS REHABILITATION OF 28,088 LINEAR FEET (5.32 MILES) OF EXISTING 8-INCH, 10-INCH, AND 12-INCH DIAMETER VITRIFIED CLAY SEWER MAINS AND 14 SEGMENTS OF EXISTING 8-INCH DIAMETER VITRIFIED CLAY SEWER MAIN WILL INCLUDE POINT REPAIRS. WORK WILL INCLUDE THE INSTALLATION OF NEW SEWER MANHOLES, NEW SEWER CLEANOUTS, MANHOLE REPAIRS, REHABILITATION OF EXISTING SEWER MANHOLES, REHABILITATION OF SEWER LATERALS, AND ALL APPURTENANCES IN ACCORDANCE WITH THESE SPECIFICATIONS. WORK SHOWN ON MAP 2 WILL NOT REQUIRE PHYSICAL ENTRANCE INTO MTS RIGHT OF WAY IN ORDER TO PERFORM THIS WORK.

CONTRACTOR'S RESPOSIBILITIES

1. PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES (I.E. 69 KV & HIGHER)
3. LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 5-UTILITIES.
7. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS, SEE PLAN VIEW.
8. 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.

CONSTRUCTION STORM WATER PROTECTION NOTES

1. TOTAL SITE DISTURBANCE AREA (ACRES): 0.04
HYDROLOGIC UNIT/WATERSHED : SAN DIEGO HU / SAN DIEGO RIVER
HYDROLOGIC SUBAREA NAME & NO. : MISSION SAN DIEGO : 907.11

2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

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

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

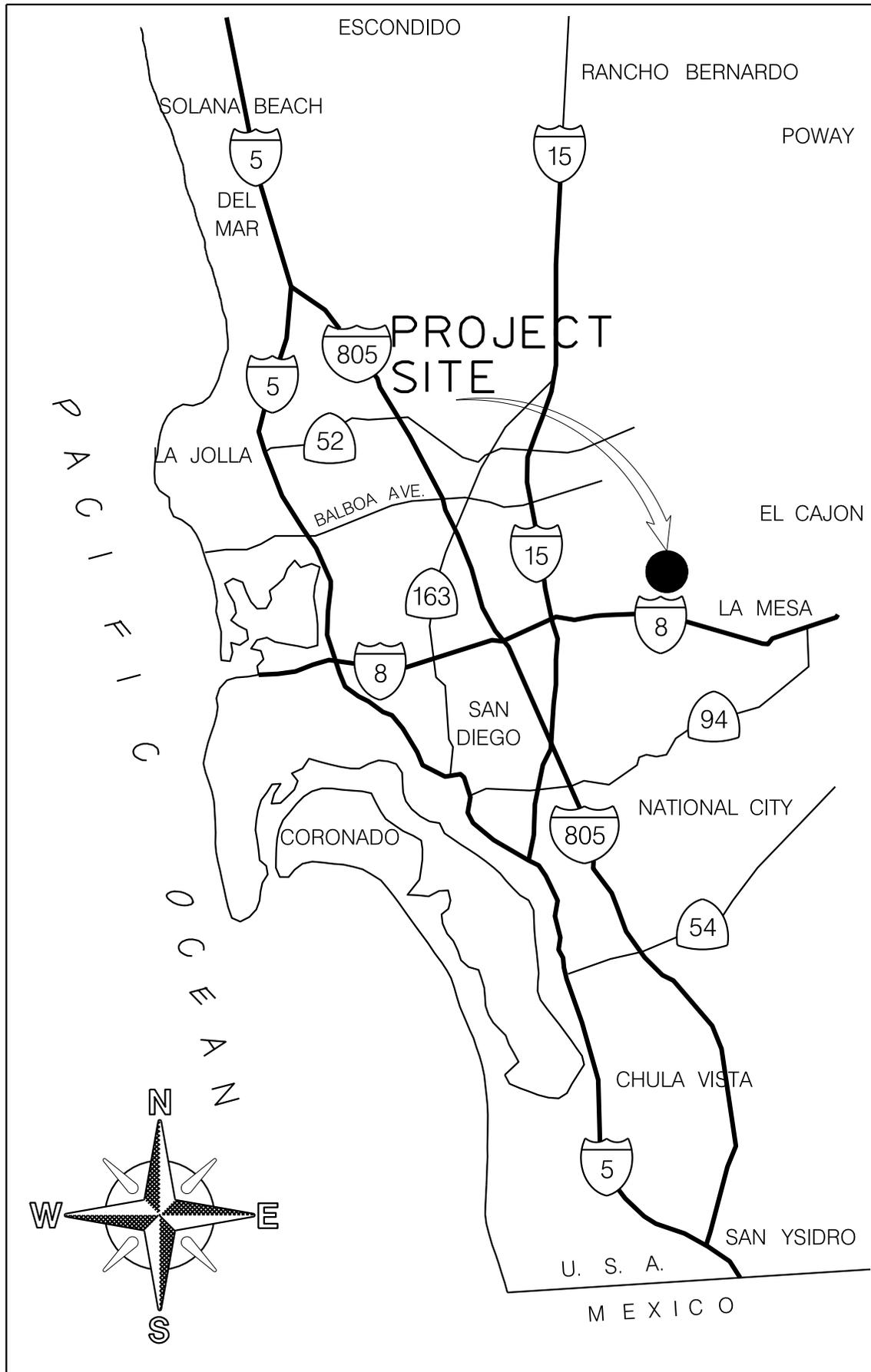
LUP: RISK TYPE 1 2 3

3. CONSTRUCTION SITE PRIORITY

ASBS HIGH MEDIUM LOW

KEY MAP

PIPELINE REHABILITATION BA-1



VICINITY MAP

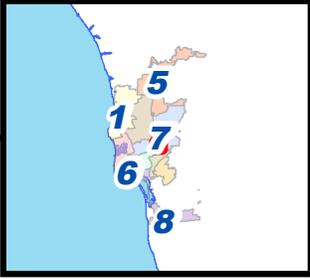
Key Map: Pipeline Rehabilitation BA-1

SENIOR ENGINEER
Sheila Bose

PROJECT MANAGER
Jaime Ramos

PROJECT ENGINEER
Kyle Nelson

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



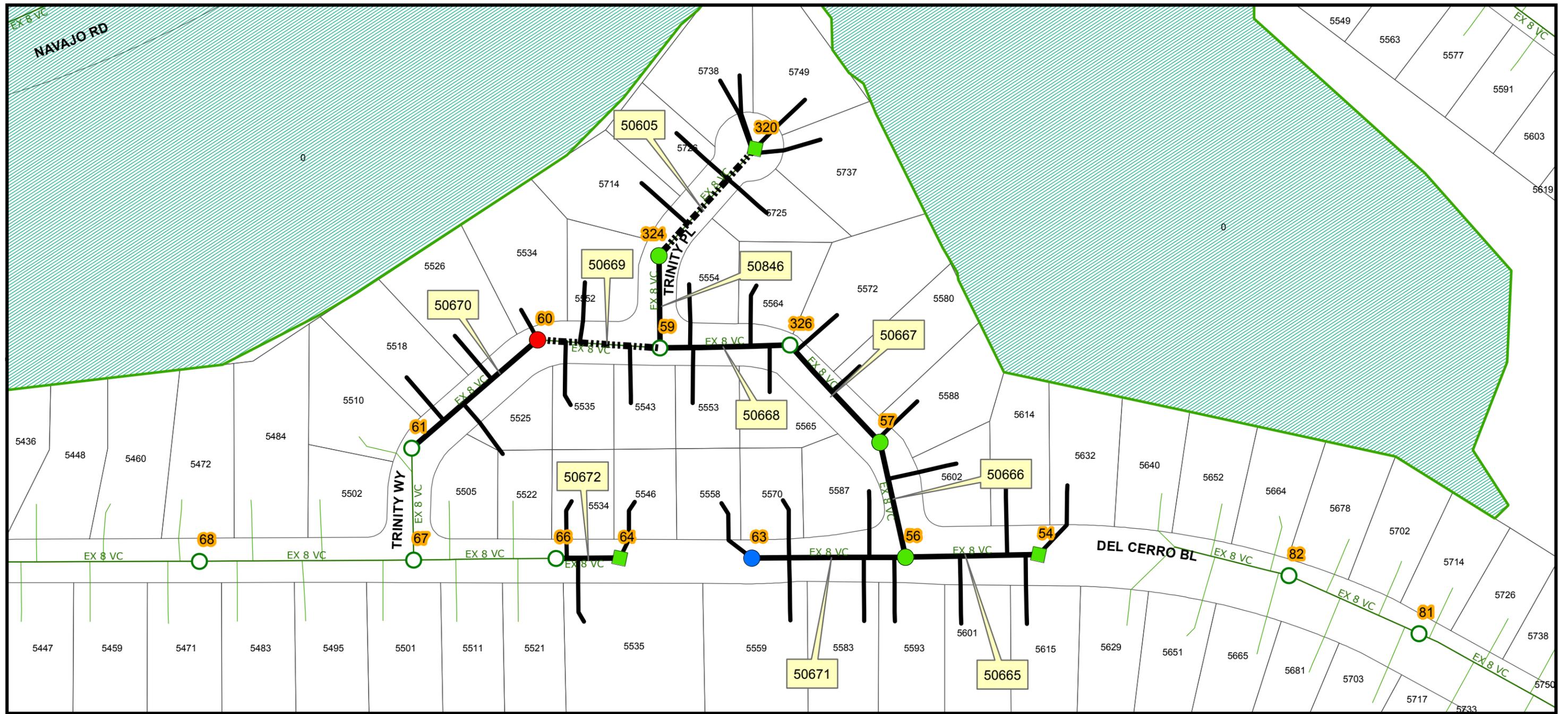
Legend

- Rehab Manholes
- Install New MH
- MH To Be Replaced
- Existing Manholes
- Proposed Cleanouts
- External Point Repair
- Proposed Sewer Rehab
- MHPA



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GIS SITE MAPS



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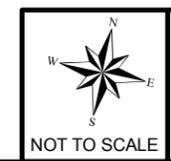
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout Pipeline Rehabilitation BA-1
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

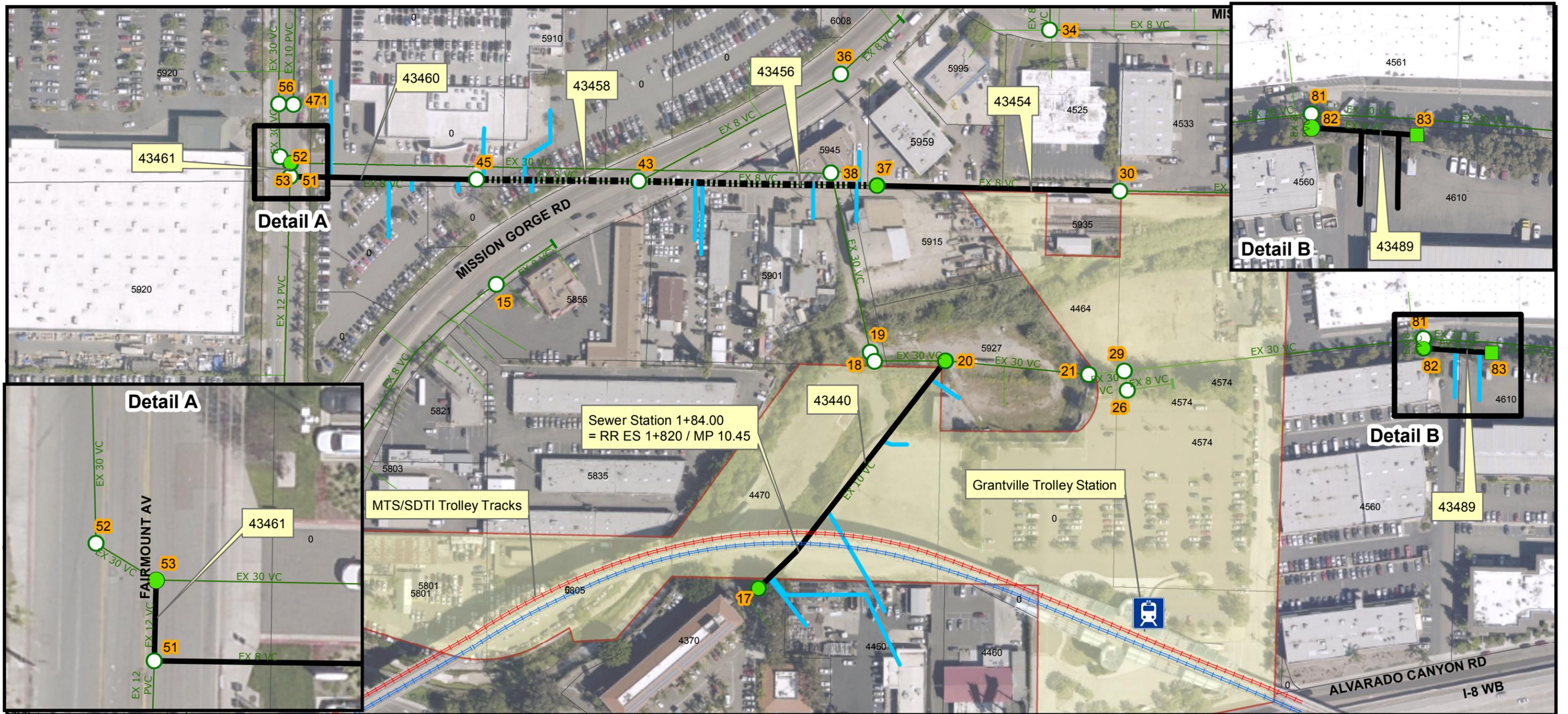
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
1 of 14
111 | Page



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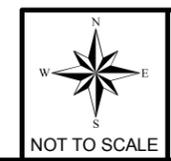
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA
- MTS ROW

123 Manhole/ Cleanout ID Number

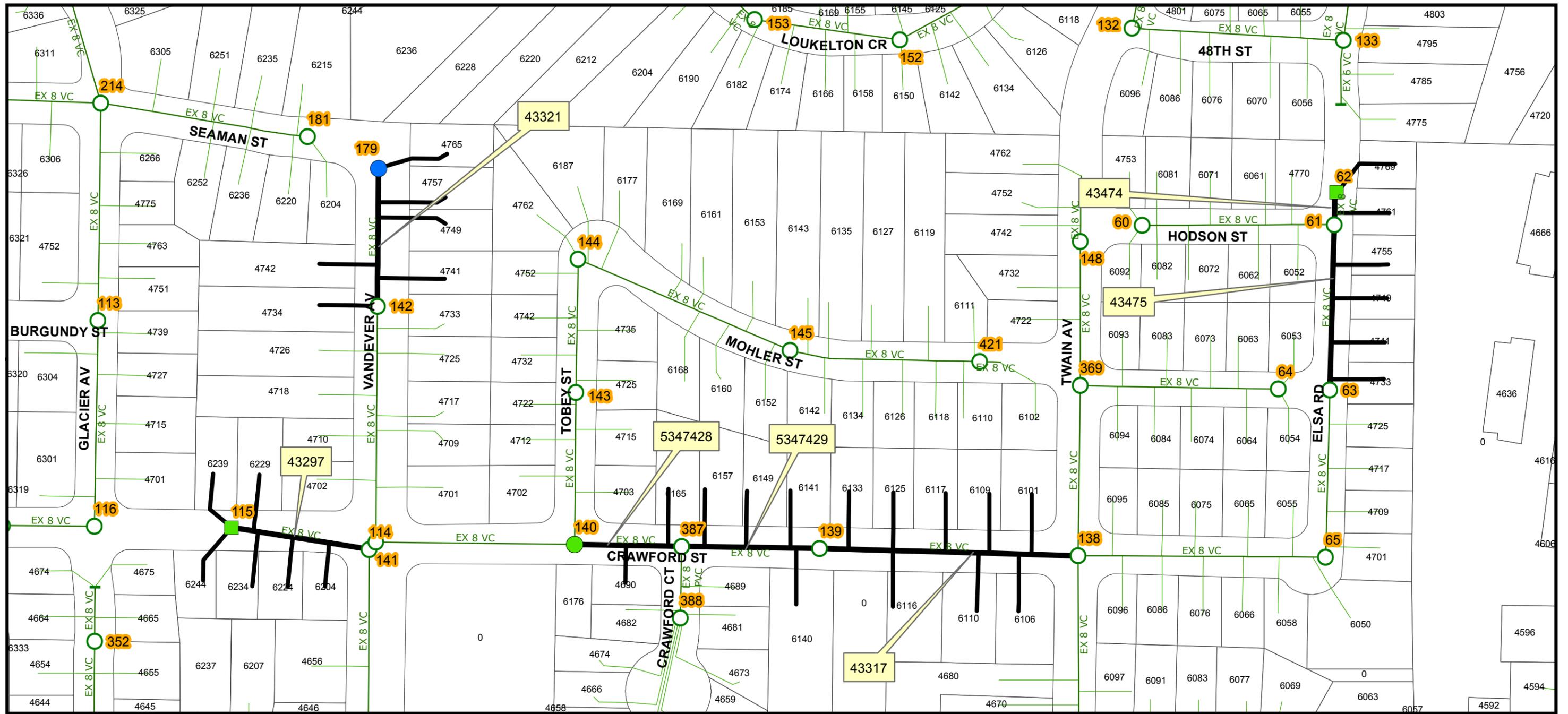
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PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
2 of 14



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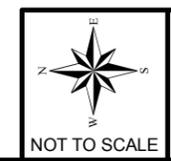
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

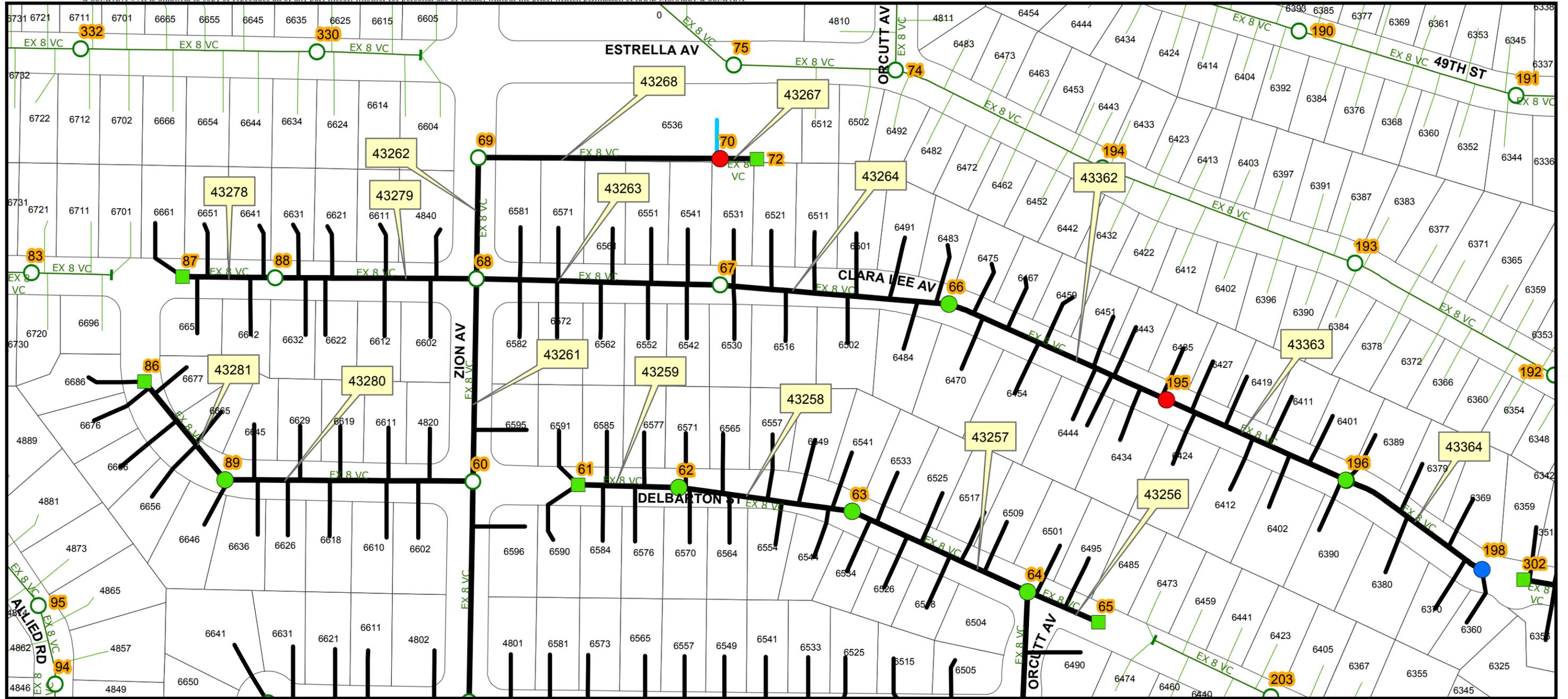
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
3 of 14



SEE MAP 6



SEE MAP 6

SEE MAP 5

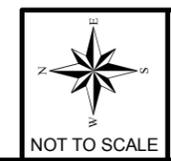
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

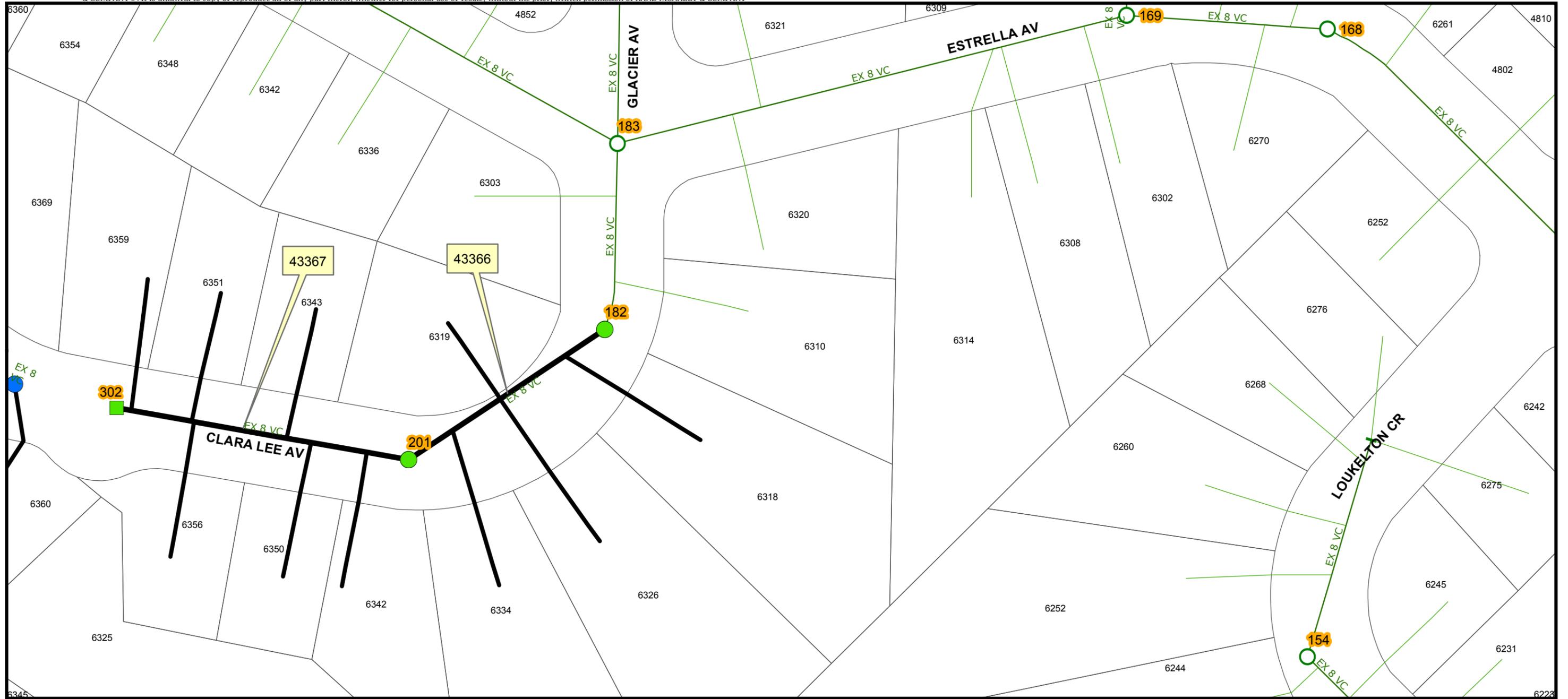
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

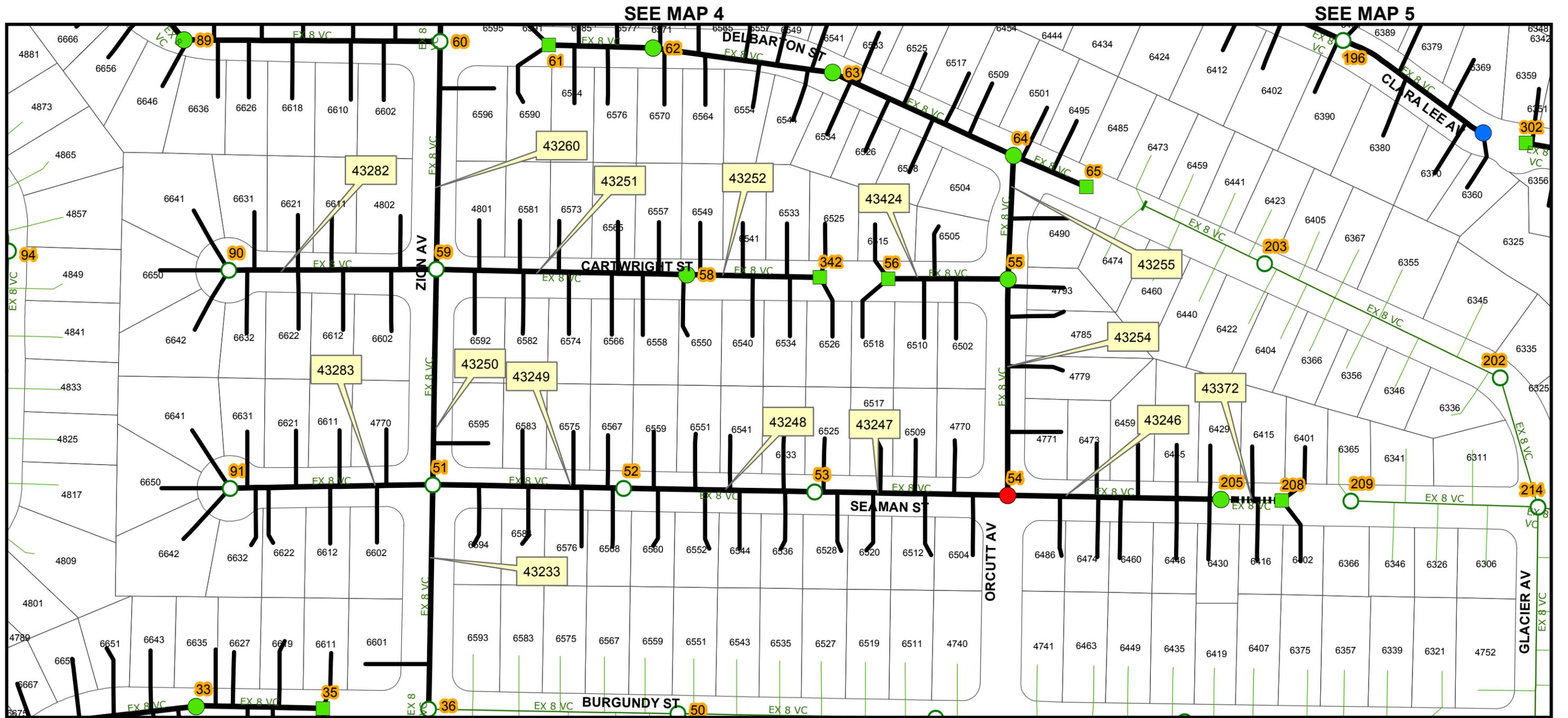
MAP NO.
4 of 14



SEE MAP 4

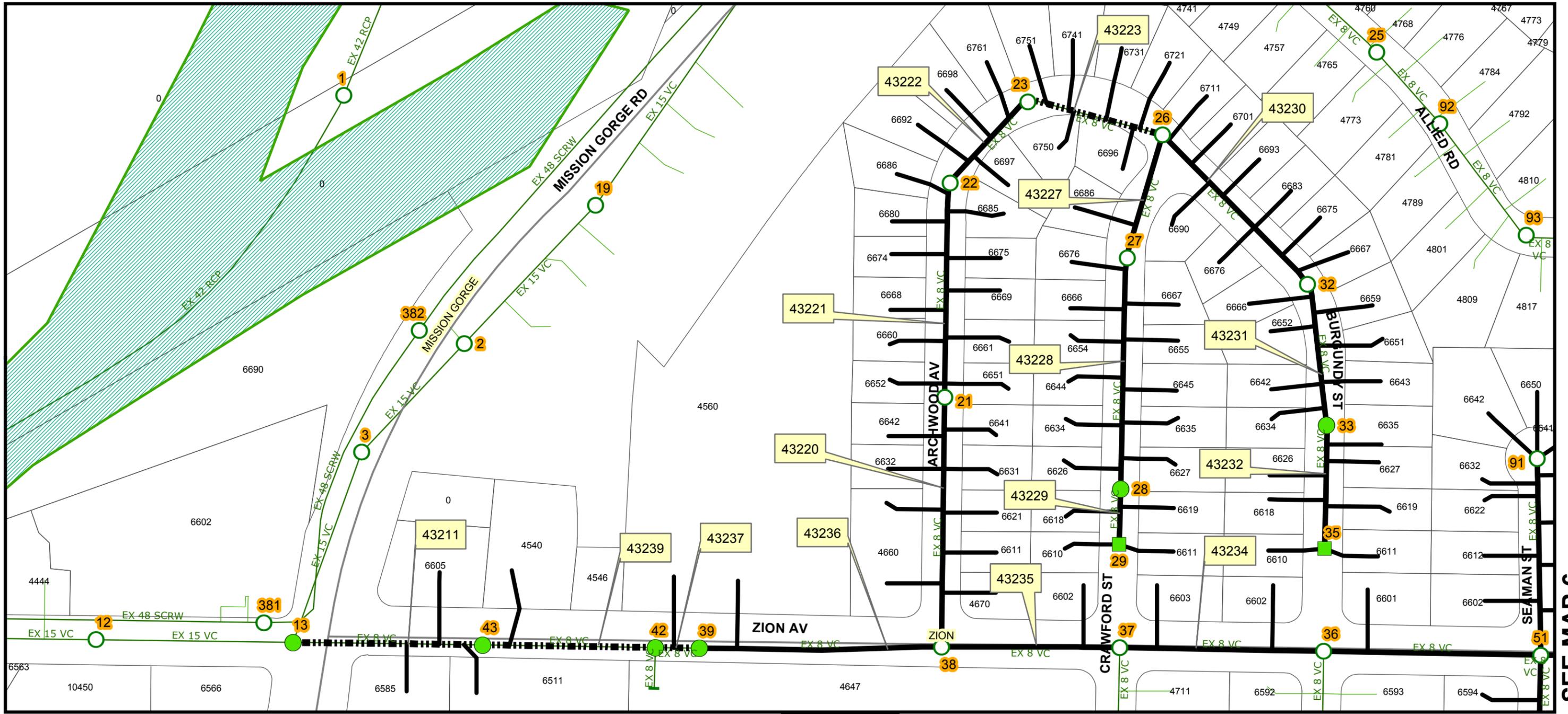


<h3>Legend</h3> <ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation Install New MH MH To Be Replaced Proposed Lateral Rehabilitation Proposed Lateral Connection Proposed Cleanout Existing Plugs Existing Mains Existing Laterals Existing Manhole MHPA 		<p>123 Manhole/ Cleanout ID Number</p> <p>12345 FSN (Facility Sequence Number)</p>	<h2>PIPELINE REHABILITATION BA-1</h2>
<p>Pipeline Rehabilitation BA-1</p>			
		<p>WBS# B-20014</p>	
		<p>MAP NO. 5 of 14</p>	
		<p>115 Page</p>	



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<h3>Legend</h3> <ul style="list-style-type: none"> — Proposed Pipeline Rehabilitation - - - Proposed Pipeline Rehabilitation w/ Point Repair ● Proposed MH Rehabilitation ● Install New MH ● MH To Be Replaced — Proposed Lateral Rehabilitation — Proposed Lateral Connection 		<ul style="list-style-type: none"> ■ Proposed Cleanout — Existing Plugs — Existing Mains — Existing Laterals ○ Existing Manhole ▨ MHPA 		<p>123 Manhole/ Cleanout ID Number</p> <p> 12345 FSN (Facility Sequence Number)</p>		<h2>PIPELINE REHABILITATION BA-1</h2>	
<p>SEE MAP 4</p>		<p>SEE MAP 5</p>		<p>SEE MAP 7</p>		<p>WBS# B-20014</p> <p>MAP NO. 6 of 14</p> <p>116 Page</p>	
<p>Engineering & Capital Projects</p>				<p>NOT TO SCALE</p>		<p>Appendix H - Site Maps, Work to be Done, and Monument Sheets</p>	

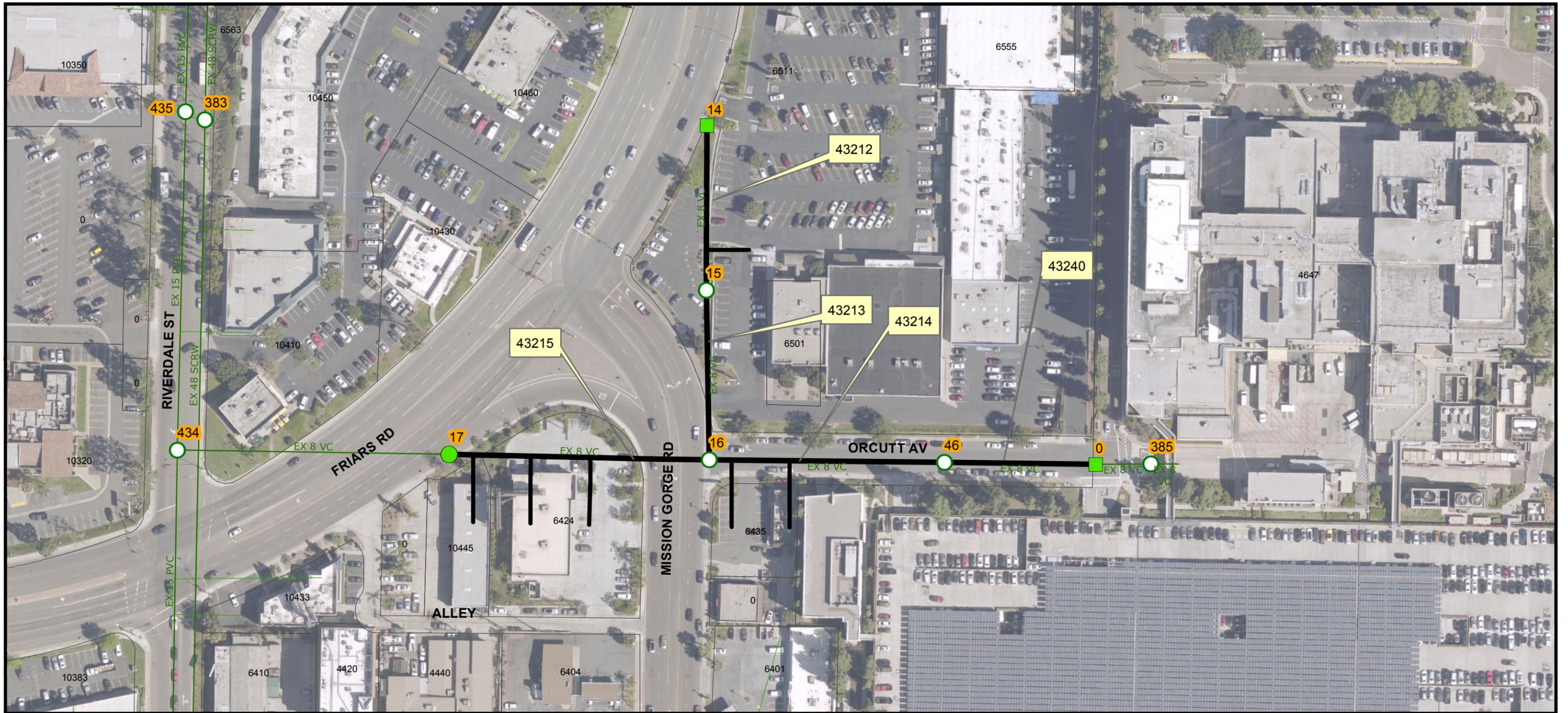


SEE MAP 6

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<h3>Legend</h3> <ul style="list-style-type: none"> Proposed Pipeline Rehabilitation Proposed Pipeline Rehabilitation w/ Point Repair Proposed MH Rehabilitation Install New MH MH To Be Replaced Proposed Lateral Rehabilitation Proposed Lateral Connection Proposed Cleanout Existing Plugs Existing Mains Existing Laterals Existing Manhole MHPA 		<p> 123 Manhole/ Cleanout ID Number</p> <p> 12345 FSN (Facility Sequence Number)</p>	<h2>PIPELINE REHABILITATION BA-1</h2>
<p>Engineering & Capital Projects</p>		<p>NOT TO SCALE</p>	<p>WBS# B-20014</p> <p>MAP NO. 7 of 14</p>
<p>Pipeline Rehabilitation BA-1</p>		<p>117 Page</p>	



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Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

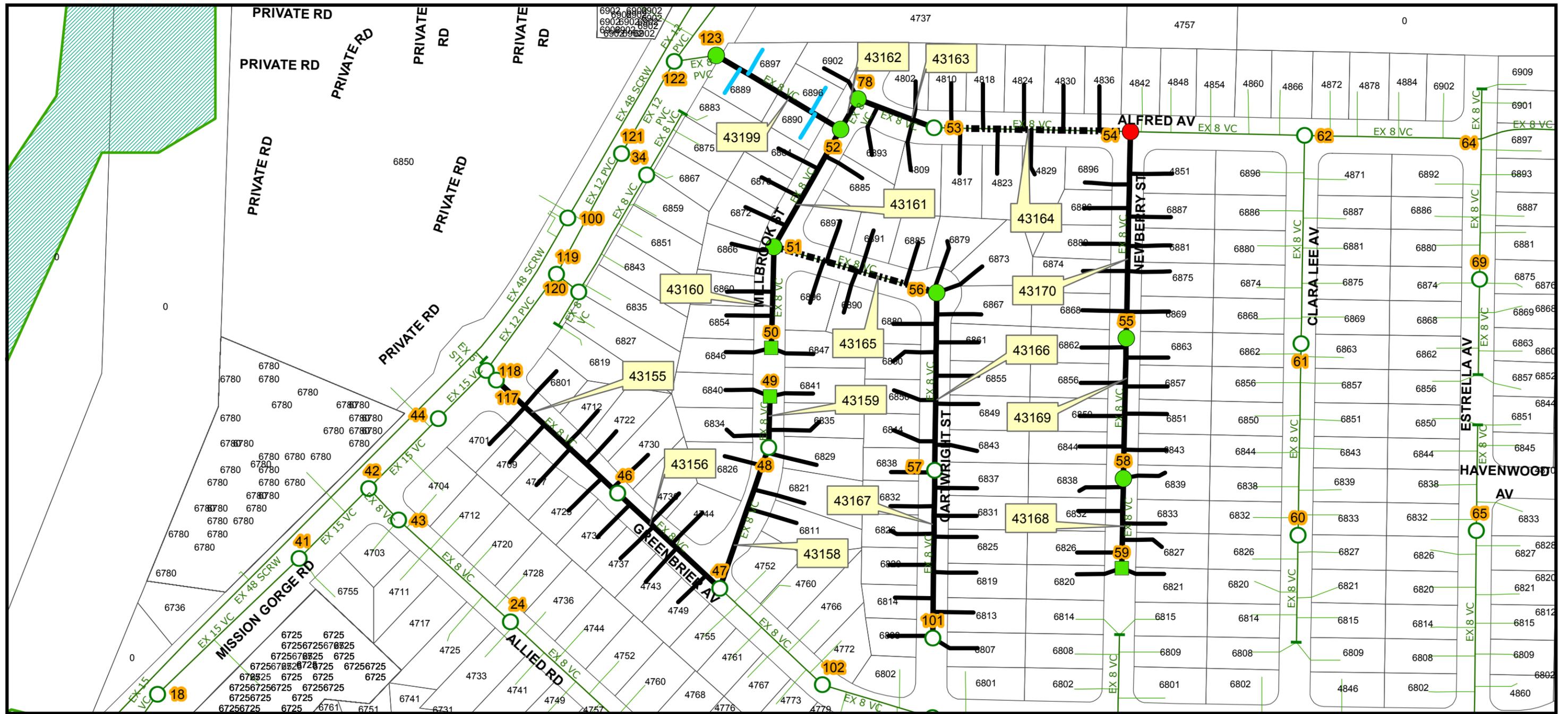
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
8 of 14



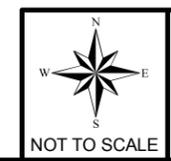
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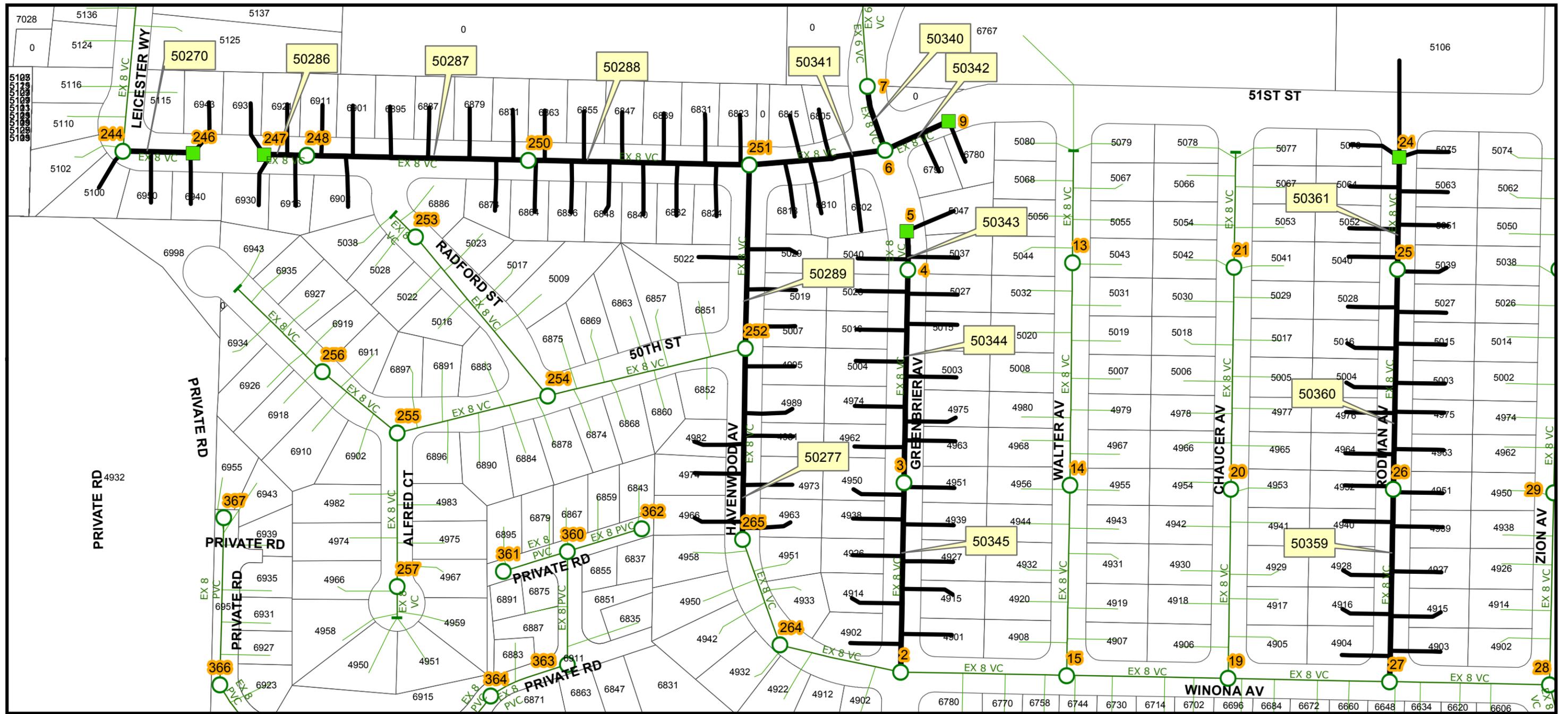
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA
- 123 Manhole/ Cleanout ID Number
- 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
9 of 14



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Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
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- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

12345 FSN (Facility Sequence Number)

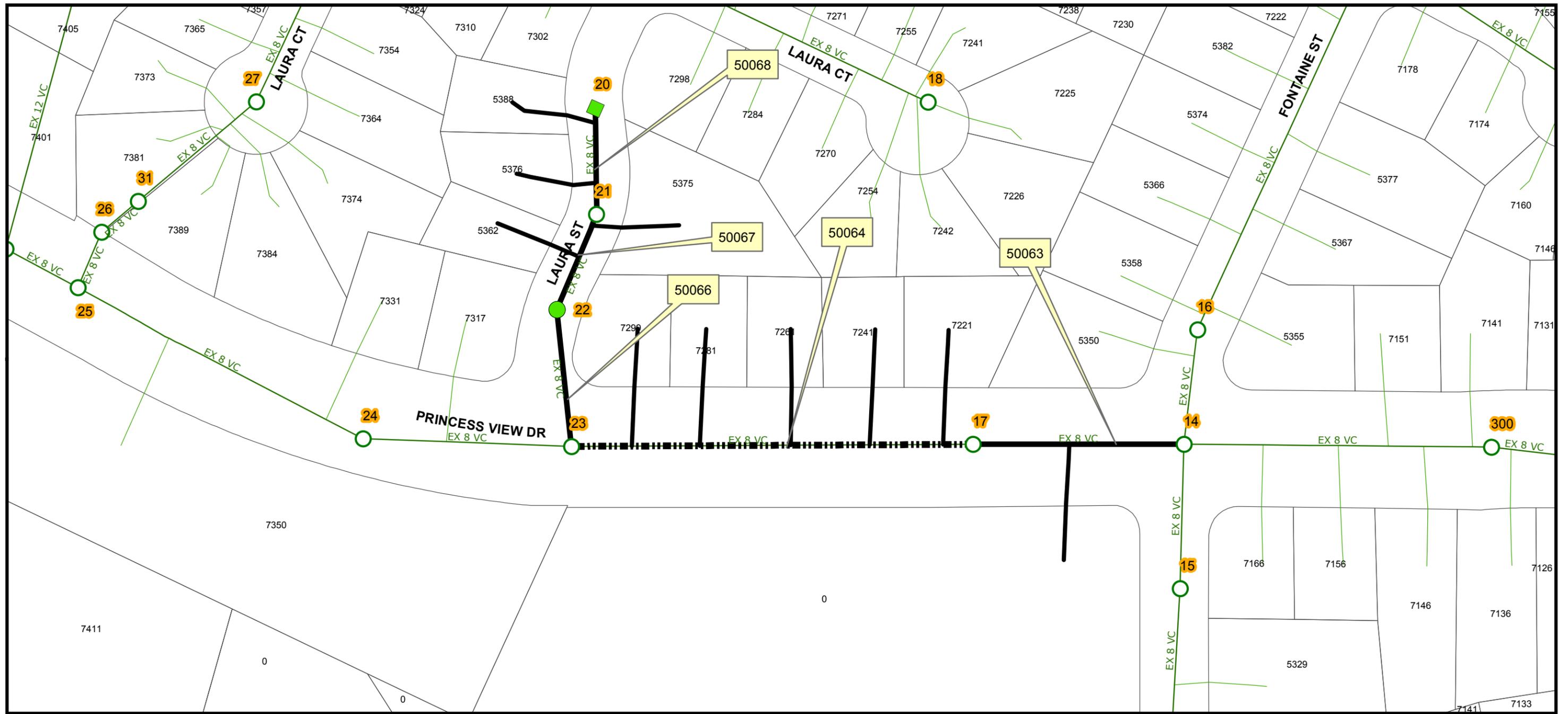
PIPELINE REHABILITATION BA-1

NOT TO SCALE

WBS#
B-20014

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10 of 14

Appendix H - Site Maps, Work to be Done, and Monument Sheets 120 | Page



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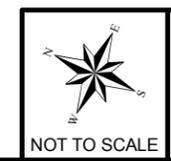
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- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
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- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

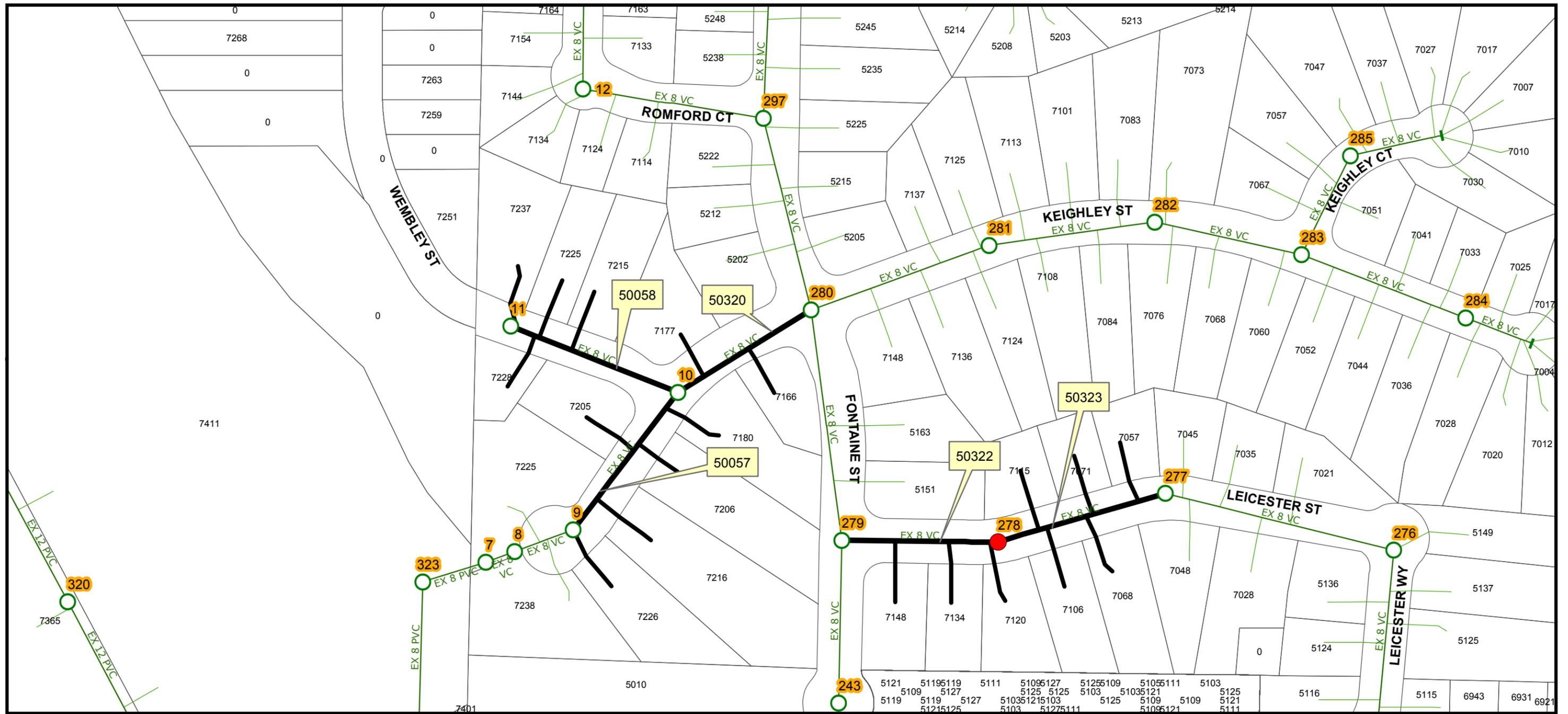
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PIPELINE REHABILITATION BA-1



WBS#
B-20014

MAP NO.
11 of 14



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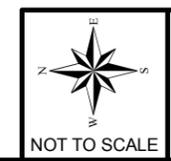
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- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

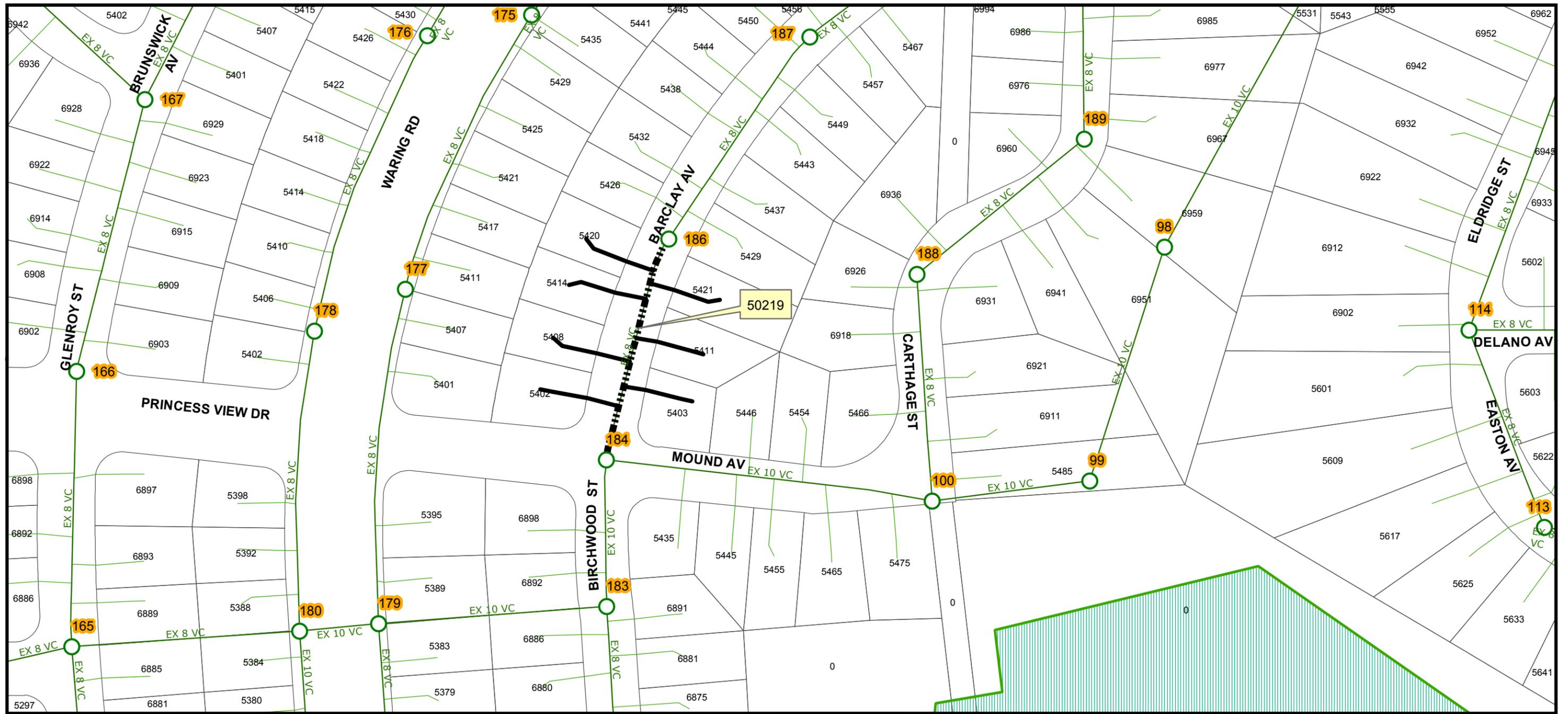
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1



WBS#
B-20014

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Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Install New MH
- MH To Be Replaced
- Proposed Lateral Rehabilitation
- Proposed Lateral Connection
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION BA-1

Engineering & Capital Projects

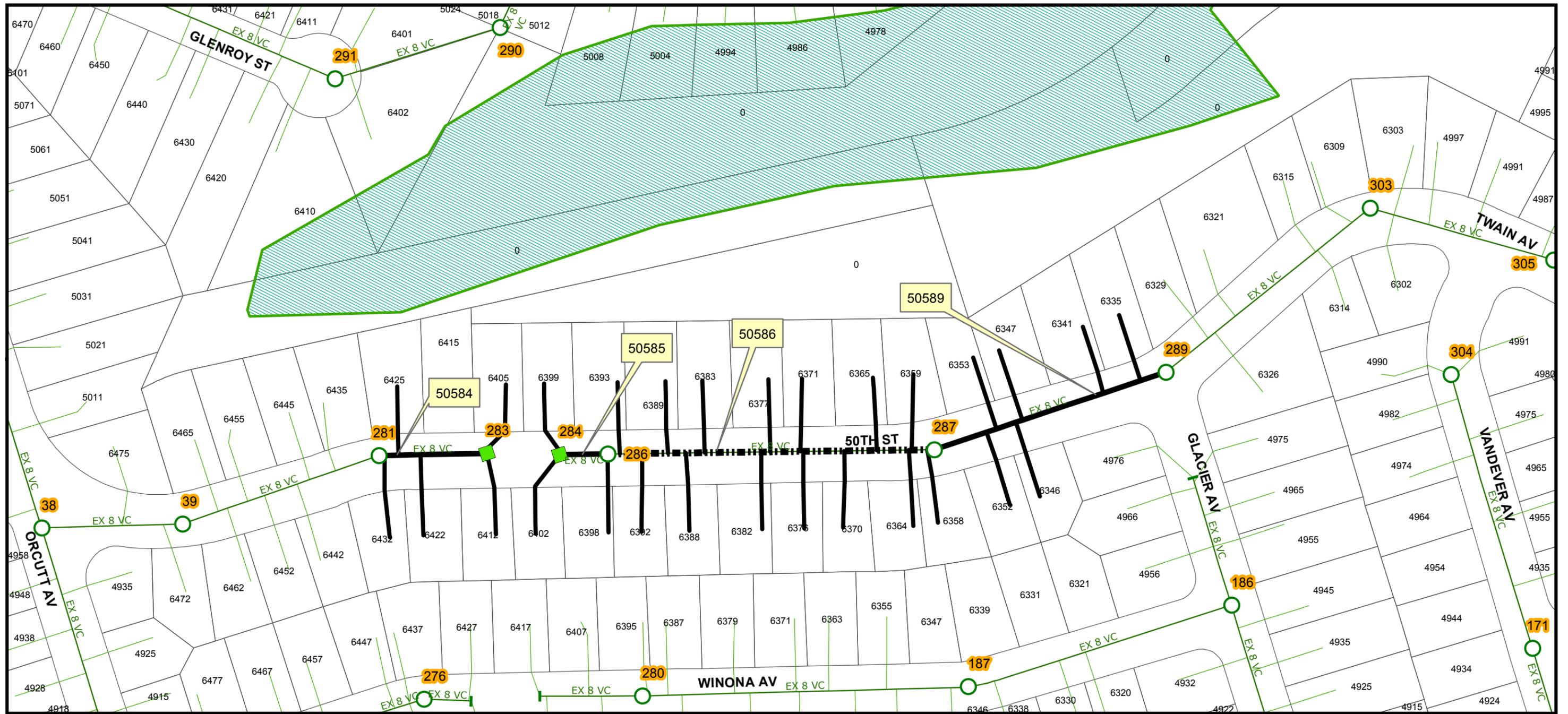
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B-20014

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Appendix H - Site Maps, Work to be Done, and Monument Sheets



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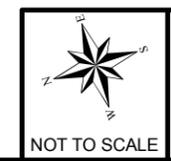
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- Proposed Lateral Connection
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- Existing Manhole
- MHPA

123 Manhole/ Cleanout ID Number

12345 FSN (Facility Sequence Number)

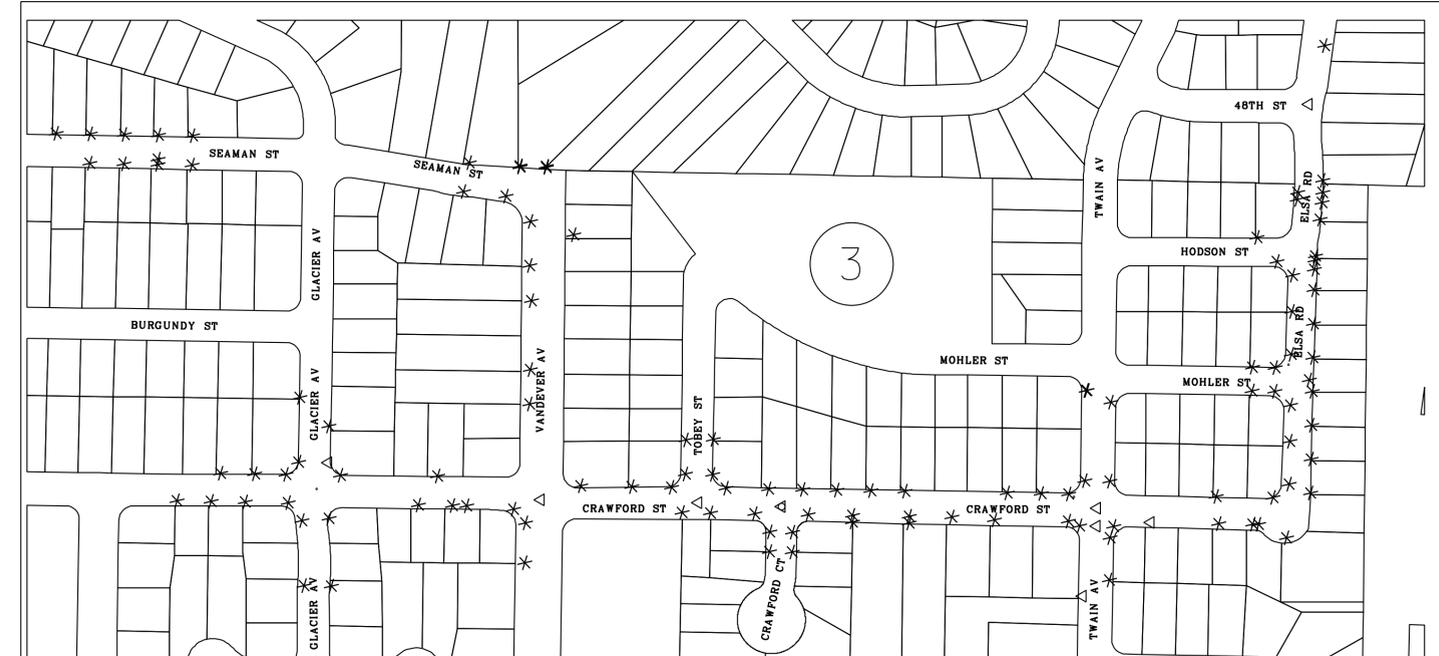
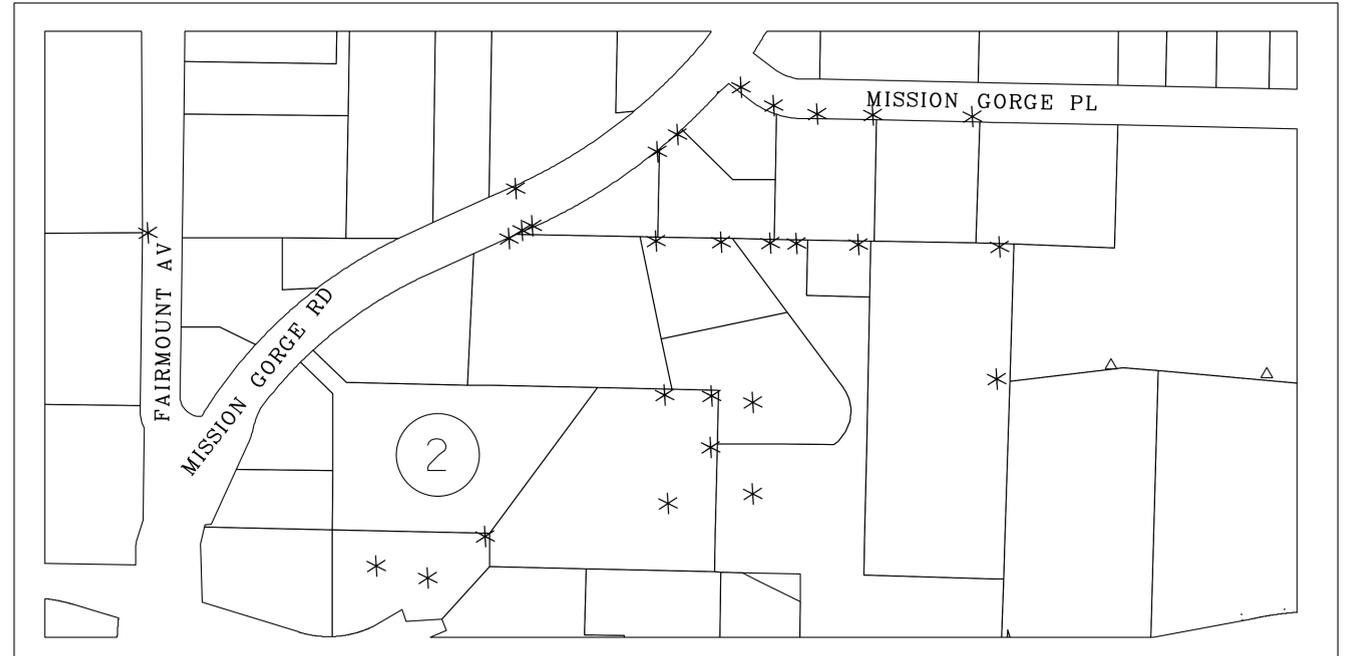
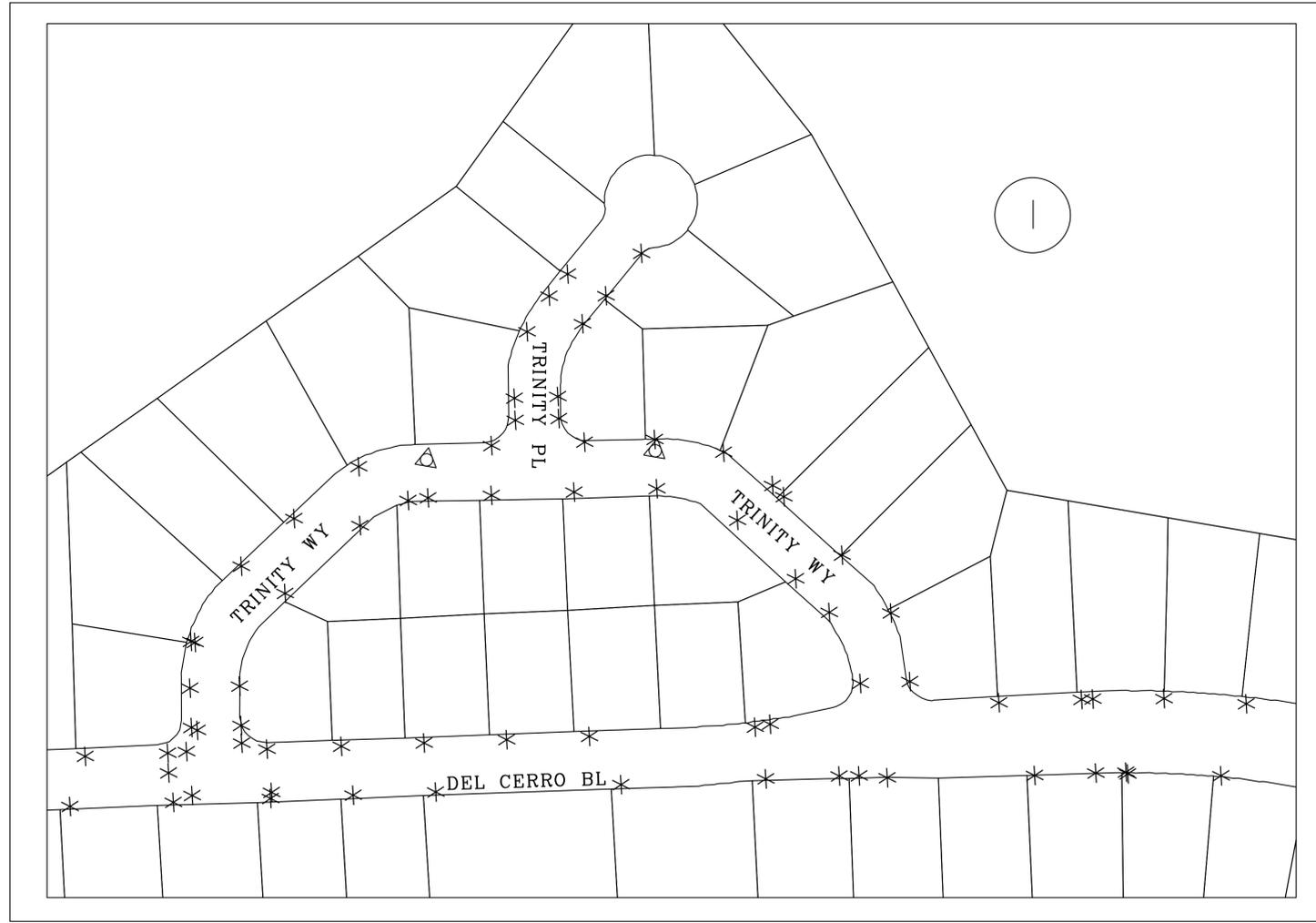
PIPELINE REHABILITATION BA-1



WBS#
B-20014

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14 of 14

SURVEY MONUMENTS



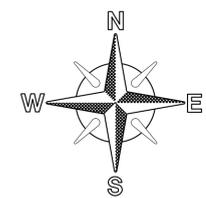
MONUMENTATION / SURVEY NOTES

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△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

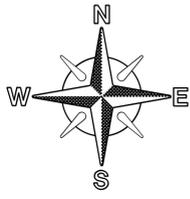
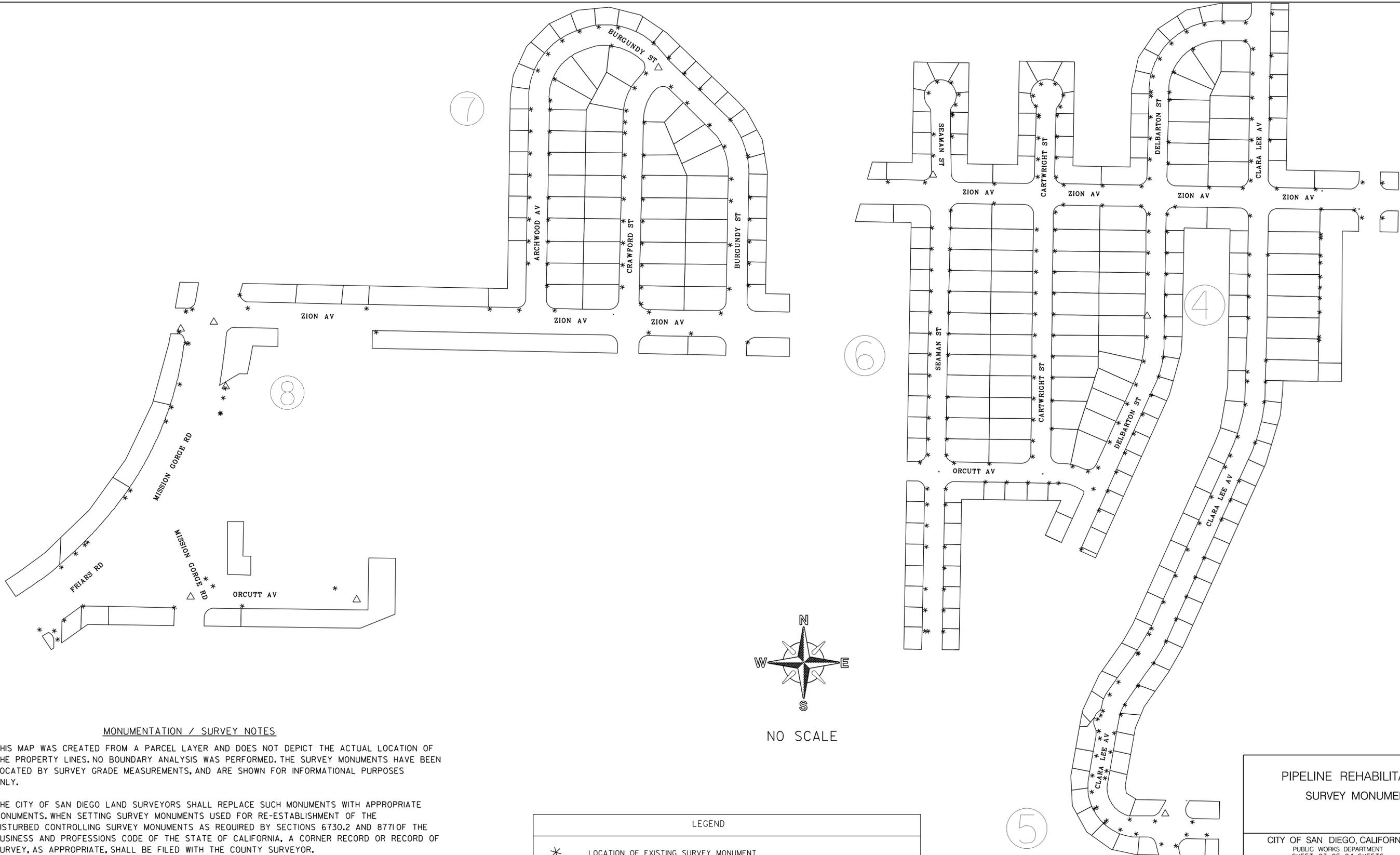


NO SCALE

C-XX

PIPELINE REHABILITATION BA-1 SURVEY MONUMENT SHEET			
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APPROVED FOR CITY ENGINEER SHEILA BOSE <small>PRINT, EDGE NAME</small>	DATE XXXXXX <small>RICE#</small>	SUBMITTED BY JAIME RAMOS <small>PROJECT MANAGER</small>	
DESCRIPTION ORIGINAL	BY xx/xx	APPROVED DATE FILMED	
ORDERED BY KYLE NELSON <small>PROJECT ENGINEER</small>		CC527 COORDINATE CC583 COORDINATE	
CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED		

SURVEY MONUMENT SHEET



NO SCALE

MONUMENTATION / SURVEY NOTES

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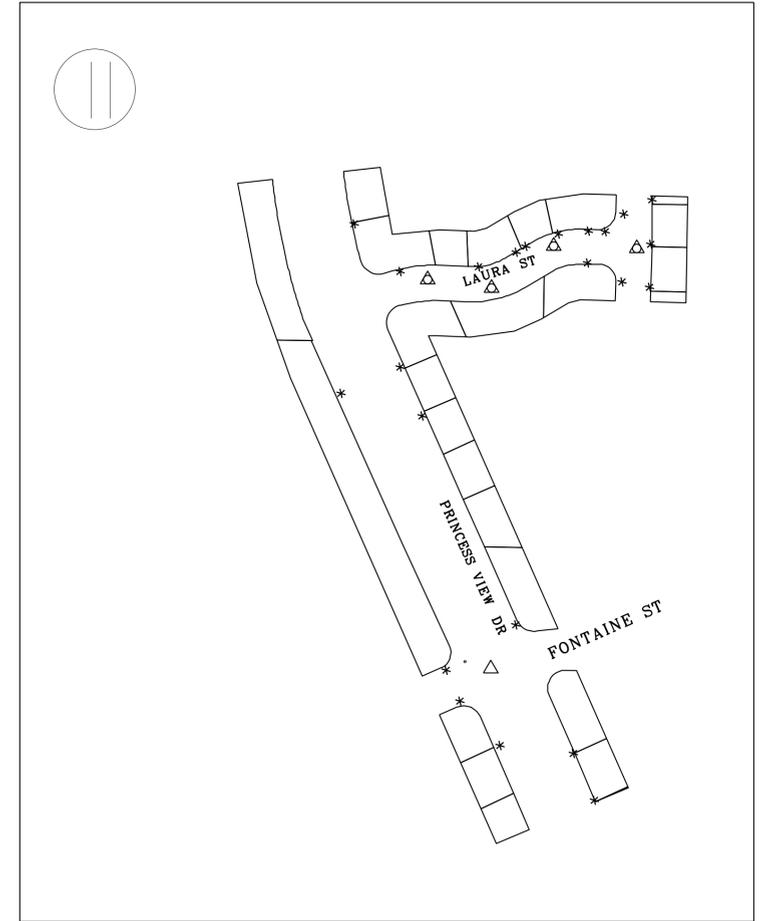
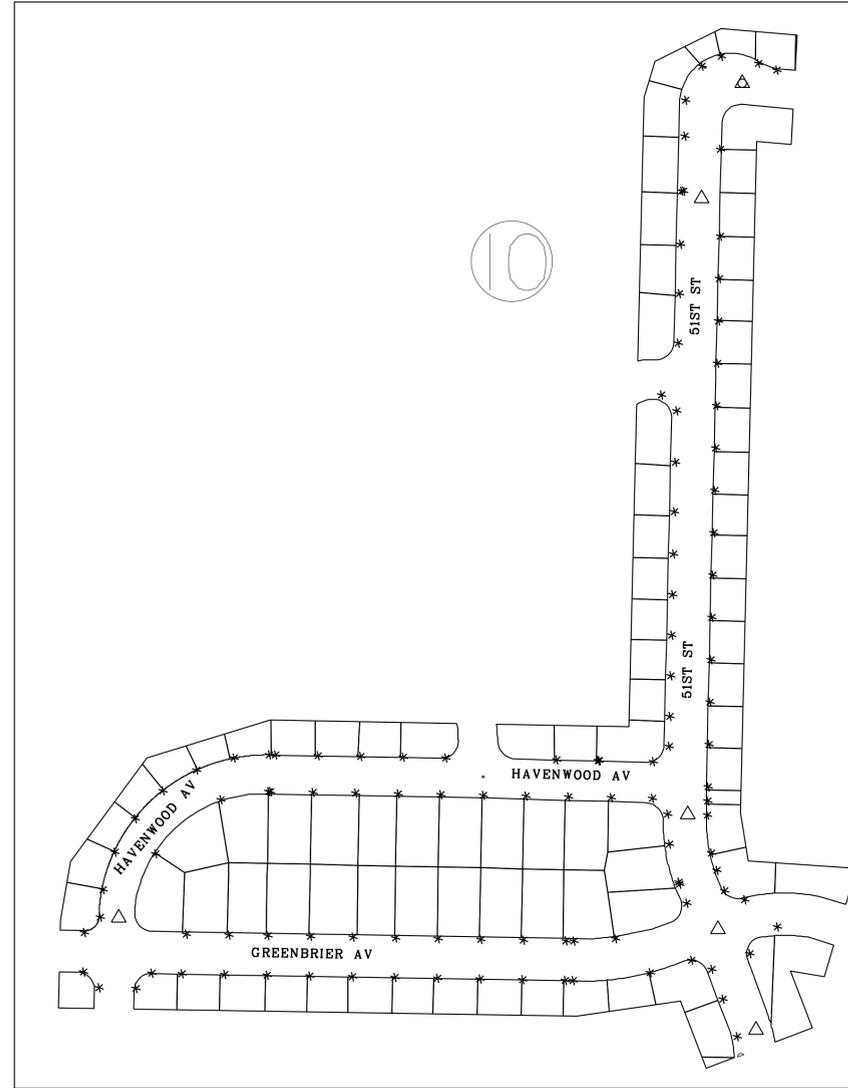
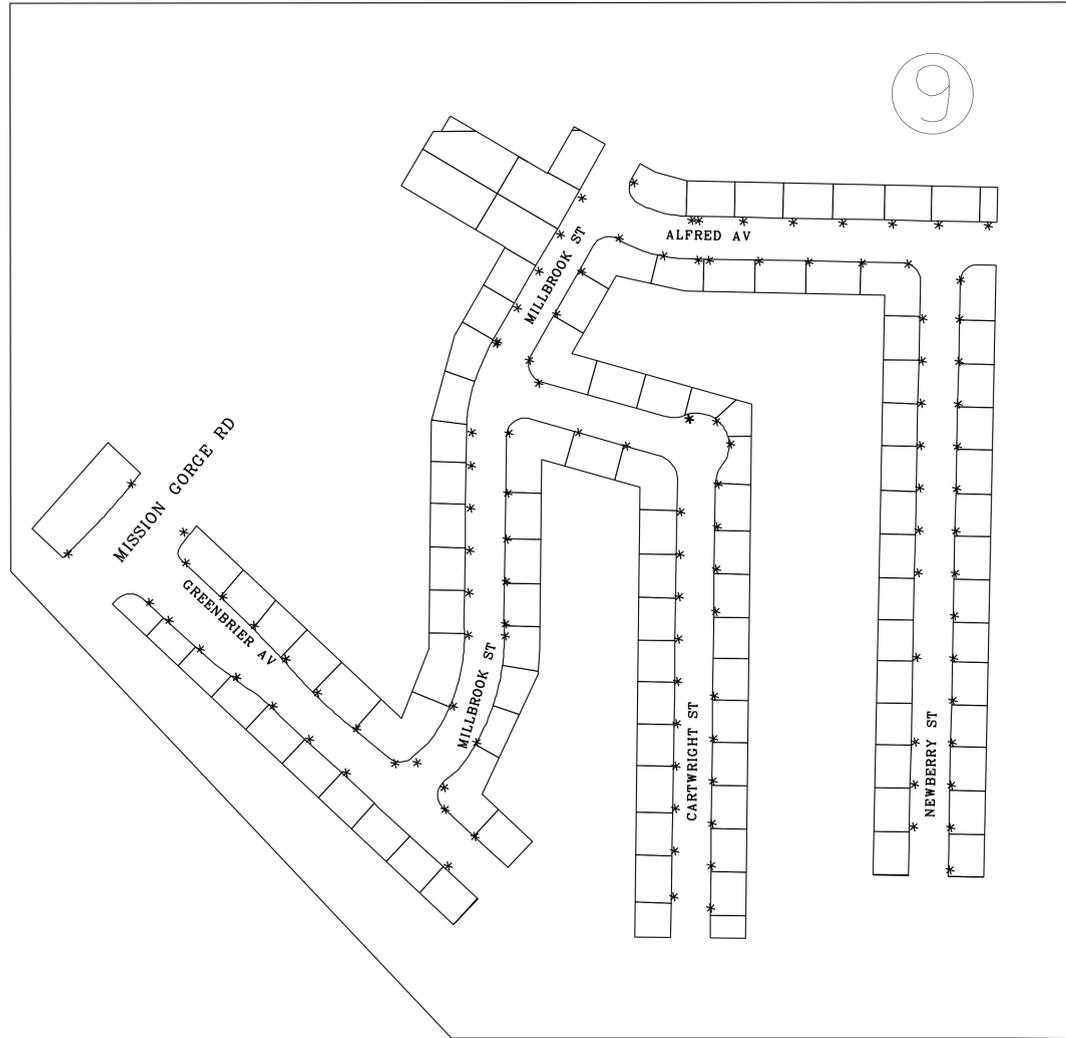
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED 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 FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

C-XX

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

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 03 OF 04 SHEETS		WATER WBS SEWER WBS	B-20014
APPROVED FOR CITY ENGINEER SHEILA BOSE PRINT NAME	DATE XXXXXX RCE#	SUBMITTED BY JAIME RAMOS PROJECT MANAGER	CHECKED BY KYLE NELSON PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY xx/xx	APPROVED	DATE FILMED
		CCS27 COORDINATE	CCS83 COORDINATE
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED



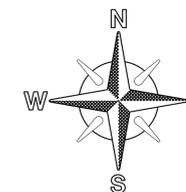
MONUMENTATION / SURVEY NOTES

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LEGEND	
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△ (with triangle symbol)	LOCATION OF EXISTING M-10
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○ (with circle symbol)	MAP NUMBER



NO SCALE

C-XX

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

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 03 OF 04 SHEETS

WATER WBS _____
SEWER WBS B-20014

APPROVED: _____ DATE _____
FOR CITY ENGINEER SHEILA BOSE RCE# XXXXXX
PRINT DCE NAME

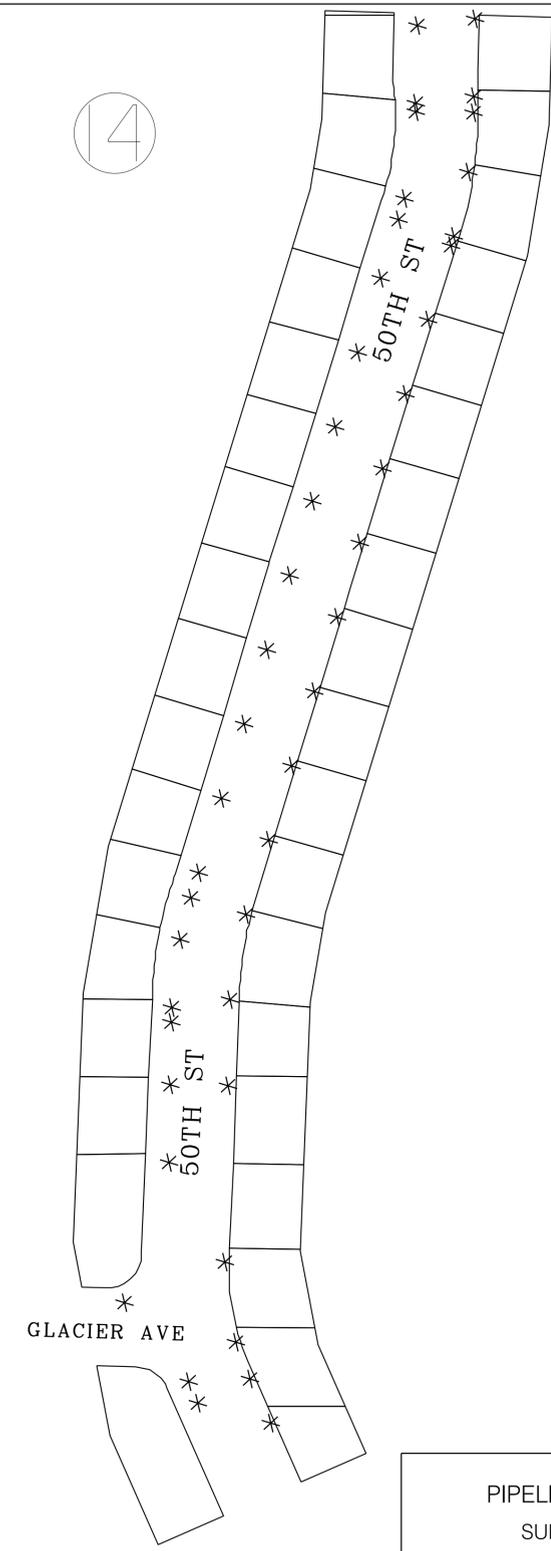
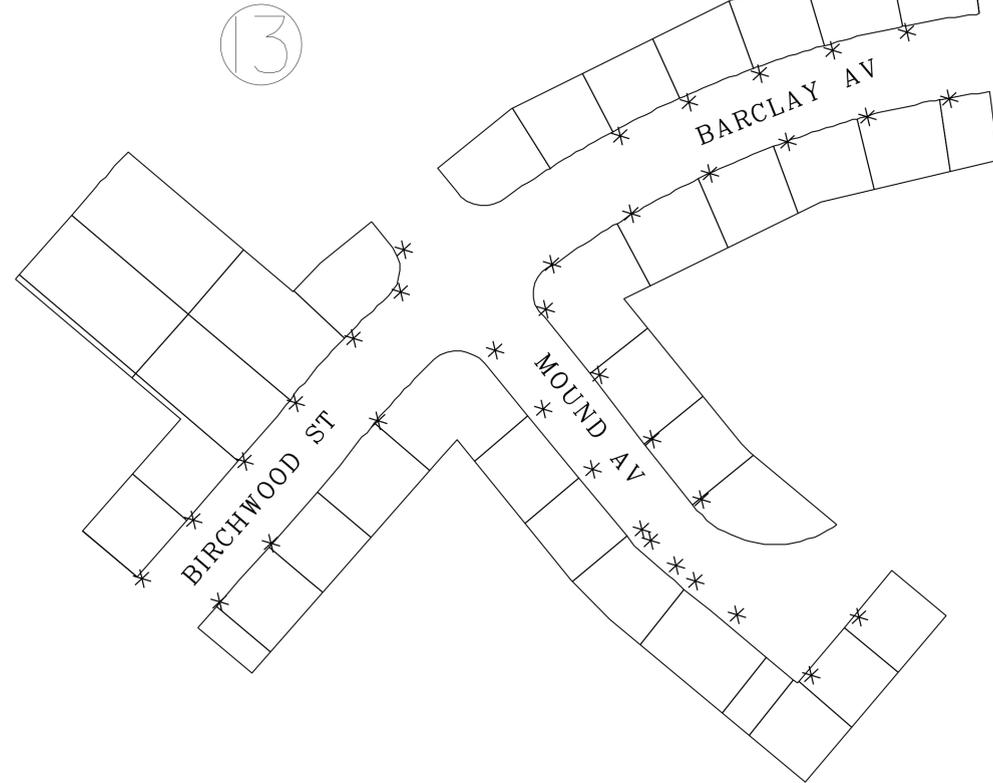
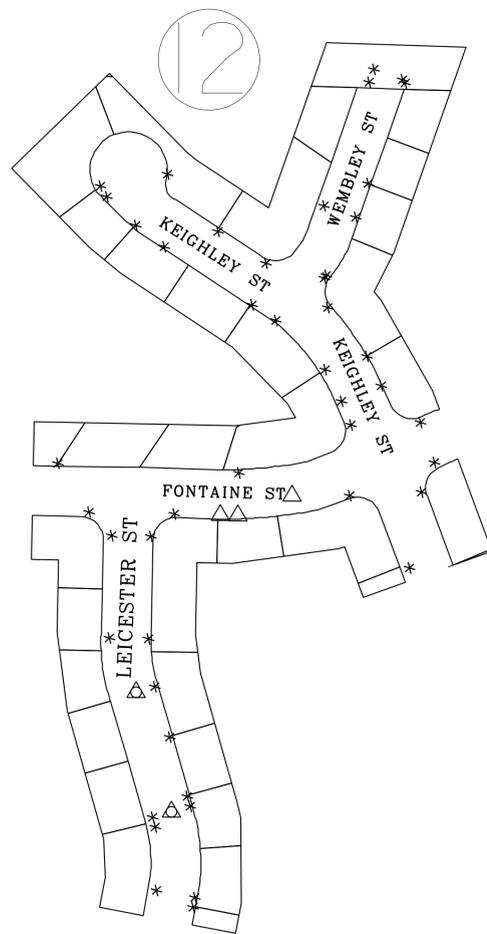
DESIGNED BY: JAIME RAMOS
PROJECT MANAGER

CHIEF ENGINEER: KYLE NELSON
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	xx/xx			

CCS27 COORDINATE _____
CCS83 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____



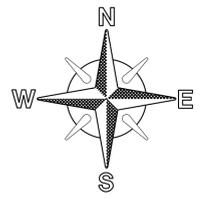
MONUMENTATION / SURVEY NOTES

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LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-10
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER



NO SCALE

C-XX

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

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 04 OF 04 SHEETS		WATER WBS SEWER WBS B-20014
APPROVED BY: FOR CITY ENGINEER SHEILA BOSE PRINT: DGE NAME	DATE XXXXXX RCE#	DESIGNED BY: JAIME RAMOS PROJECT MANAGER CHECKED BY: KYLE NELSON PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY xx/xx	APPROVED
		DATE
		FILMED
		CCS27 COORDINATE
		CCS83 COORDINATE
CONTRACTOR	INSPECTOR	DATE STARTED DATE COMPLETED

SURVEY MONUMENT SHEET

APPENDIX I

REHAB DATA COLLECTION – SEWER MAINS SAMPLE DATA TEMPLATE

APPENDIX J

REHAB DATA COLLECTION – MANHOLE SAMPLE DATA TEMPLATE

APPENDIX K

REHAB DATA COLLECTION – LATERALS SAMPLE DATA TEMPLATE

APPENDIX L
SEWER MAIN SPREADSHEET

Pipeline Rehabilitation BA-1 (B-20014) Sewer Main Spreadsheet

Map #	Street Name	FSN	Size (inches)	Length (feet)	Material	Action	DS MH ID	DS MH IE	DS MH Depth	US MH ID	US MH IE	US MH Depth	Lateral	Install Date	Field Book	FLD_BK_G RI	Thomas Bro	Council District	Community
1	TRINITY PL	50846	8	118	VC	Rehab	59	385.14	18	324	385.61	12	#N/A	1/1/1959	K16S	5	1250A7	7	Navajo
1	DEL CERRO BL	50672	8	80	VC	Rehab	66	402.8	9	64	403.12	9	3	1/1/1959	K16S	2	1250B7	7	Navajo
1	DEL CERRO BL	50671	8	200	VC	Rehab	56	396.12	14	63	403.12	8	6	1/1/1959	K16S	2	1250B7	7	Navajo
1	TRINITY WY	50670	8	218	VC	Rehab	61	383.65	15	60	384.52	16	4	1/1/1959	K16S	2	1250A7	7	Navajo
1	TRINITY WY	50668	8	169	VC	Rehab	59	385.14	18	326	394.79	9	3	1/1/1959	K16S	5	1250B7	7	Navajo
1	TRINITY WY	50667	8	182	VC	Rehab	326	394.79	9	57	395.52	11	3	1/1/1959	K16S	2	1250B7	7	Navajo
1	TRINITY WY	50666	8	150	VC	Rehab	57	395.52	11	56	396.12	14	1	1/1/1959	K16S	2	1250B7	7	Navajo
1	DEL CERRO BL	50665	8	175	VC	Rehab	56	396.12	14	54	404	10	4	1/1/1959	K16S	2	1250B7	7	Navajo
1	TRINITY PL	50605	8	184	VC	Point Repair/Rehab	324	385.61	12	320	386.35	4	7	7/20/1961	K15S	5	1250B7	7	Navajo
1	TRINITY WY	50669	8	155	VC	Point Repair/Rehab	60	384.52	16	59	385.14	18	3	1/1/1959	K16S	2	1250B7	7	Navajo
2	FAIRMOUNT AV	43461	12	16	VC	Rehab	53	58.84	14	51	57.21	14	#N/A	1/1/1957	J16S	1	1249H7	7	Navajo
2	FAIRMOUNT AV	43460	8	262	VC	Rehab	51	57.21	14	45	60.03	12	4	1/1/1957	J16S	1	1249H7	7	Navajo
2		43454	8	350	VC	Rehab	37	62.48	10	30	63.88	10	#N/A	1/1/1957	J16S	2	1249H7	7	Navajo
2		43440	10	456	VC	Rehab	20	64	24	17	76.63	10	5	1/1/1976	J16S	2	1269H1	7	Navajo
2		43489	8	100	VC	Rehab	82	75.1	13	83	77.6	11	2	4/23/1968	J16S	2	1269J1	7	Navajo
2	MISSION GORGE RD	43456	8	350	VC	Point Repair/Rehab	43	unk	unk	37	62.48	10	5	1/1/1957	J16S	2	1249H7	7	Navajo
2		43458	8	263	VC	Point Repair/Rehab	45	60.03	12	43	unk	unk	3	1/1/1957	J16S	2	1249H7	7	Navajo
3	CRAWFORD ST	5347429	8	193	VC	Rehab	139	145.32	20	387	146.14	14	4	<Null>	J15S	5	1249J7	7	Navajo
3	CRAWFORD ST	5347428	8	150	VC	Rehab	387	146.14	14	140	146.73	11	2	<Null>	J15S	5	1249J7	7	Navajo
3	ELSA RD	43475	8	230	VC	Rehab	63	182.14	7	61	200.54	7	4	9/15/1958	J16S	3	1249J7	7	Navajo
3	ELSA RD	43474	8	50	VC	Rehab	61	200.54	7	62	204.54	unk	2	9/15/1958	J16S	3	1249J7	7	Navajo
3	VANDEVER AV	43321	8	200	VC	Rehab	142	156.52	7	179	164.12	5	6	9/15/1958	J15S	6	1249J7	7	Navajo
3	CRAWFORD ST	43317	8	350	VC	Rehab	138	143.92	13	139	145.32	20	8	9/15/1958	J15S	5	1249J7	7	Navajo
3	CRAWFORD ST	43297	8	190	VC	Rehab	114	139.46	13	115	140.22	5	6	1/1/1961	J15S	5	1249J7	7	Navajo
4	CLARA LEE AV	43364	8	200	VC	Rehab	196	241.74	8	198	244.15	11	6	1/1/1956	J15S	6	1249J7	7	Navajo
4	CLARA LEE AV	43363	8	290	VC	Rehab	195	239.8	7	196	241.74	8	8	1/1/1956	J15S	6	1249J6	7	Navajo
4		43362	8	320	VC	Rehab	66	234.04	7	195	239.8	7	11	1/1/1956	J15S	6	1249J6	7	Navajo
4	DELBARTON ST	43281	8	182	VC	Rehab	89	211.64	7	86	213.24	7	6	1/1/1956	J15S	3	1249J6	7	Navajo
4	DELBARTON ST	43280	8	350	VC	Rehab	60	208.98	7	89	211.64	7	11	1/1/1956	J15S	3	1249J6	7	Navajo
4	CLARA LEE AV	43279	8	300	VC	Rehab	68	211.27	7	88	213.07	7	8	1/1/1956	J15S	3	1249J6	7	Navajo
4	CLARA LEE AV	43278	8	115	VC	Rehab	88	213.07	7	87	213.76	7	5	1/1/1956	J15S	3	1249J6	7	Navajo
4	ZION AV	43268	8	350	VC	Rehab	69	226.14	7	70	247.14	5	1	1/1/1956	J15S	3	1249J6	7	Navajo
4		43267	8	50	VC	Rehab	70	247.14	5	72	250.14	5	#N/A	1/1/1956	J15S	3	1249J6	7	Navajo
4	CLARA LEE AV	43264	8	336	VC	Rehab	67	217.22	8	66	234.04	7	10	1/1/1956	J15S	3	1249J6	7	Navajo
4	CLARA LEE AV	43263	8	350	VC	Rehab	68	211.27	7	67	217.22	8	10	1/1/1956	J15S	3	1249J6	7	Navajo
4	ZION AV	43262	8	175	VC	Rehab	68	211.27	7	69	226.14	7	#N/A	1/1/1956	J15S	3	1249J6	7	Navajo
4	ZION AV	43261	8	286	VC	Rehab	60	208.98	7	68	211.27	7	1	1/1/1956	J15S	3	1249J6	7	Navajo
4	DELBARTON ST	43259	8	151	VC	Rehab	62	201.71	7	61	205.49	7	6	1/1/1956	J15S	3	1249J6	7	Navajo
4	DELBARTON ST	43258	8	246	VC	Rehab	63	195.46	7	62	201.71	7	9	1/1/1956	J15S	3	1249J6	7	Navajo
4	DELBARTON ST	43257	8	270	VC	Rehab	64	188.72	7	63	195.46	7	7	1/1/1956	J15S	3	1249J6	7	Navajo
4	DELBARTON ST	43256	8	110	VC	Rehab	64	188.72	7	65	189.16	5	2	1/1/1956	J15S	6	1249J6	7	Navajo
5	CLARA LEE AV	43367	8	176	VC	Rehab	201	254.77	3	302	255.48	1	6	1/1/1963	J15S	6	1249J7	7	Navajo
5	CLARA LEE AV	43366	8	140	VC	Rehab	182	247.69	5	201	254.77	3	4	11/12/1954	J15S	6	1249J7	7	Navajo
6	CARTWRIGHT ST	43424	8	163	VC	Rehab	55	184.03	7	56	185.66	7	5	1/1/1956	J15S	3	1249J6	7	Navajo

Pipeline Rehabilitation BA-1 (B-20014) Sewer Main Spreadsheet

Map #	Street Name	FSN	Size (inches)	Length (feet)	Material	Action	DS MH ID	DS MH IE	DS MH Depth	US MH ID	US MH IE	US MH Depth	Lateral	Install Date	Field Book	FLD_BK_G RI	Thomas Bro	Council District	Community
6	SEAMAN ST	43283	8	276	VC	Rehab	51	166.47	6	91	168.4	6	11	1/1/1956	J15S	3	1249J6	7	Navajo
6	CARTWRIGHT ST	43282	8	276	VC	Rehab	59	182.74	6	90	184.41	6	11	1/1/1956	J15S	3	1249J6	7	Navajo
6	ZION AV	43260	8	316	VC	Rehab	59	182.74	6	60	208.98	7	1	1/1/1956	J15S	3	1249J6	7	Navajo
6	ORCUTT AV	43255	8	179	VC	Rehab	55	184.03	7	64	188.72	7	1	1/1/1956	J15S	3	1249J6	7	Navajo
6	ORCUTT AV	43254	8	296	VC	Rehab	54	169.64	10	55	184.03	7	4	1/1/1956	J15S	3	1249J6	7	Navajo
6	CARTWRIGHT ST	43252	8	180	VC	Rehab	58	185.55	9	342	186.99	6	7	1/1/1956	J15S	3	1249J6	7	Navajo
6	CARTWRIGHT ST	43251	8	350	VC	Rehab	59	182.74	6	58	185.55	9	11	1/1/1956	J15S	3	1249J6	7	Navajo
6	ZION AV	43250	8	296	VC	Rehab	51	166.47	6	59	182.74	6	1	1/1/1956	J15S	3	1249J6	7	Navajo
6	SEAMAN ST	43249	8	264	VC	Rehab	51	166.47	6	52	167.53	8	7	1/1/1956	J15S	3	1249J6	7	Navajo
6	SEAMAN ST	43248	8	264	VC	Rehab	52	167.53	8	53	168.58	9	8	1/1/1956	J15S	3	1249J6	7	Navajo
6	SEAMAN ST	43247	8	265	VC	Rehab	53	168.58	9	54	169.64	10	8	1/1/1956	J15S	3	1249J6	7	Navajo
6	SEAMAN ST	43246	8	300	VC	Rehab	54	169.64	10	205	170.84	6	9	1/1/1956	J15S	6	1249J6	7	Navajo
6	ZION AV	43233	8	306	VC	Rehab	36	149.64	6	51	166.47	6	1	1/1/1956	J15S	3	1249J6	7	Navajo
6	SEAMAN ST	43372	8	103	VC	Point Repair/Rehab	205	170.84	6	208	189.16	5	4	1/1/1956	J15S	6	1249J6	7	Navajo
7	ZION AV	43236	8	335	VC	Rehab	39	125.14	9	38	127.15	15	1	1/1/1955	J15S	2	1249J6	7	Navajo
7	ZION AV	43235	8	256	VC	Rehab	38	127.15	15	37	136.88	9	1	1/1/1955	J15S	2	1249J6	7	Navajo
7	ZION AV	43234	8	291	VC	Rehab	37	136.88	9	36	149.64	6	2	1/1/1956	J15S	3	1249J6	7	Navajo
7	BURGUNDY ST	43232	8	180	VC	Rehab	33	141.53	7	35	147.29	7	7	1/1/1958	J15S	3	1249J6	7	Navajo
7	BURGUNDY ST	43231	8	198	VC	Rehab	32	132.41	8	33	141.53	7	7	1/1/1956	J15S	3	1249J6	7	Navajo
7	BURGUNDY ST	43230	8	291	VC	Rehab	26	131.24	5	32	132.41	8	8	1/1/1956	J15S	3	1249J6	7	Navajo
7	CRAWFORD ST	43229	8	50	VC	Rehab	28	137.31	6	29	138.07	6	4	1/1/1956	J15S	2	1249J6	7	Navajo
7	CRAWFORD ST	43228	8	350	VC	Rehab	27	131.99	6	28	137.31	6	11	1/1/1956	J15S	2	1249J6	7	Navajo
7	CRAWFORD ST	43227	8	185	VC	Rehab	26	131.24	5	27	131.99	6	1	1/1/1956	J15S	2	1249J6	7	Navajo
7	ARCHWOOD AV	43222	8	165	VC	Rehab	22	129.79	8	23	130.45	6	4	1/1/1956	J15S	2	1249J6	7	Navajo
7	ARCHWOOD AV	43221	8	310	VC	Rehab	21	128.55	10	22	129.79	8	11	1/1/1958	J15S	2	1249J6	7	Navajo
7	ARCHWOOD AV	43220	8	350	VC	Rehab	38	127.15	15	21	128.55	10	9	1/1/1958	J15S	2	1249J6	7	Navajo
7		43211	8	280	VC	Point Repair/Rehab	13	83.97	25	43	112.1	6	3	1/1/1955	J15S	2	1249H6	7	Navajo
7	BURGUNDY ST	43223	8	200	VC	Point Repair/Rehab	23	130.45	6	26	131.24	5	6	1/1/1956	J15S	3	1249J6	7	Navajo
7	ZION AV	43237	8	73	VC	Point Repair/Rehab	42	122.1	8	39	125.14	9	1	1/1/1955	J15S	2	1249J6	7	Navajo
7	ZION AV	43239	8	238	VC	Point Repair/Rehab	43	112.1	6	42	122.1	8	1	1/1/1955	J15S	2	1249J6	7	Navajo
8	ORCUTT AV	43240	8	186	VC	Rehab	46	115.85	10	0	118.63	unk	#N/A	1/1/1971	J15S	2	1249J6	7	Navajo
8	ORCUTT AV	43215	8	294	VC	Rehab	17	92.13	7	16	100.56	7	3	1/1/1971	J15S	2	1249H6	7	Navajo
8	ORCUTT AV	43214	8	275	VC	Rehab	16	100.56	7	46	115.85	10	2	1/1/1971	J15S	2	1249J6	7	Navajo
8	MISSION GORGE RD	43213	8	200	VC	Rehab	16	100.56	7	15	101.36	7	#N/A	1/1/1961	J15S	2	1249H6	7	Navajo
8		43212	8	190	VC	Rehab	15	101.36	7	14	102.12	6	1	1/1/1961	J15S	2	1249H6	7	Navajo
9	NEWBERRY ST	43170	8	350	VC	Rehab	54	160.04	7	55	167.04	7	10	1/1/1956	J14S	6	1249J5	7	Navajo
9	NEWBERRY ST	43169	8	250	VC	Rehab	55	167.04	7	58	177.04	9	9	1/1/1956	J14S	6	1249J5	7	Navajo
9	NEWBERRY ST	43168	8	175	VC	Rehab	58	177.04	9	59	188.24	7	7	1/1/1956	J14S	6	1249J6	7	Navajo
9	CARTWRIGHT ST	43167	8	302	VC	Rehab	57	153.02	7	101	156.04	10	12	1/1/1956	J14S	3	1249J6	7	Navajo
9	CARTWRIGHT ST	43166	8	300	VC	Rehab	56	148.52	8	57	153.02	7	9	1/1/1956	J14S	6	1249J5	7	Navajo
9	ALFRED AV	43163	8	148	VC	Rehab	78	119.61	6	53	130.12	7	3	1/1/1956	J14S	6	1249J5	7	Navajo
9	MILLBROOK ST	43162	8	66	VC	Rehab	52	119.35	9	78	119.61	6	1	1/1/1956	J14S	6	1249J5	7	Navajo
9	MILLBROOK ST	43161	8	238	VC	Rehab	52	119.35	9	51	128.63	7	4	1/1/1956	J14S	6	1249J5	7	Navajo
9	MILLBROOK ST	43160	8	179	VC	Rehab	51	128.63	7	50	139.37	6	5	1/1/1956	J14S	6	1249J5	7	Navajo

Pipeline Rehabilitation BA-1 (B-20014) Sewer Main Spreadsheet

Map #	Street Name	FSN	Size (inches)	Length (feet)	Material	Action	DS MH ID	DS MH IE	DS MH Depth	US MH ID	US MH IE	US MH Depth	Lateral	Install Date	Field Book	FLD_BK_G RI	Thomas Bro	Council District	Community
9	MILLBROOK ST	43159	8	87	VC	Rehab	48	137.46	6	49	139.37	5	4	1/1/1956	J14S	6	1249J5	7	Navajo
9	MILLBROOK ST	43158	8	269	VC	Rehab	47	131.55	6	48	137.46	6	4	1/1/1956	J14S	6	1249J5	7	Navajo
9	GREENBRIER AV	43156	8	250	VC	Rehab	46	109.08	9	47	131.55	6	6	1/1/1956	J14S	6	1249J6	7	Navajo
9		43155	8	300	VC	Rehab	117	88.56	21	46	109.08	9	8	1/1/1956	J14S	6	1249J5	7	Navajo
9	ALFRED AV	43164	8	344	VC	Point Repair/Rehab	53	130.12	7	54	160.04	7	8	1/1/1956	J14S	6	1249J5	7	Navajo
9	CARTWRIGHT ST	43165	8	306	VC	Point Repair/Rehab	51	128.63	7	56	148.52	8	7	1/1/1956	J14S	6	1249J5	7	Navajo
9		43199	8	266	VC	Rehab	123	89.93	20	52	119.35	9	4	1/1/1956	J14S	6	1249J5	7	Navajo
10		50361	8	170	VC	Rehab	25	305.29	7	24	308.84	6	8	1/1/1955	K15S	1	1250A6	7	Navajo
10		50360	8	350	VC	Rehab	26	297.45	7	25	305.29	7	12	1/1/1955	K15S	1	1250A6	7	Navajo
10	RODMAN AV	50359	8	300	VC	Rehab	27	277.95	13	26	297.45	7	9	1/1/1955	K15S	1	1250A6	7	Navajo
10	GREENBRIER AV	50345	8	300	VC	Rehab	2	281.03	5	3	297.23	6	10	1/1/1955	K15S	1	1250A6	7	Navajo
10		50344	8	331	VC	Rehab	3	297.23	6	4	310.45	6	10	1/1/1955	K15S	1	1250A6	7	Navajo
10	GREENBRIER AV	50343	8	68	VC	Rehab	4	310.45	6	5	313.27	6	3	1/1/1957	K15S	1	1250A6	7	Navajo
10	51ST ST	50342	8	108	VC	Rehab	6	315.95	7	9	316.6	7	2	1/1/1957	K15S	1	1250A6	7	Navajo
10	51ST ST	50341	8	219	VC	Rehab	251	312.66	7	6	315.95	7	5	1/1/1957	K15S	1	1250A6	7	Navajo
10	GREENBRIER AV	50340	8	109	VC	Rehab	6	315.95	7	7	316.45	8	#N/A	1/1/1960	K15S	1	1250A6	7	Navajo
10	HAVENWOOD AV	50289	8	294	VC	Rehab	252	292.67	13	251	312.66	7	4	1/1/1955	K14S	4	1250A5	7	Navajo
10	51ST ST	50288	8	350	VC	Rehab	251	312.66	7	250	314.76	7	12	1/1/1957	K14S	4	1250A5	7	Navajo
10	51ST ST	50287	8	350	VC	Rehab	250	314.76	7	248	316.86	8	8	1/1/1957	K14S	4	1250A5	7	Navajo
10	51ST ST	50286	8	80	VC	Rehab	248	316.86	8	247	317.34	8	4	1/1/1957	K14S	4	1250A5	7	Navajo
10	HAVENWOOD AV	50277	8	297	VC	Rehab	265	290.3	6	252	292.67	13	8	1/1/1955	K14S	4	1250A5	7	Navajo
10	51ST ST	50270	8	109	VC	Rehab	244	315.79	6	246	319.05	7	4	1/1/1964	K14S	4	1250A5	7	Navajo
11		50068	8	79	VC	Rehab	21	145.02	8	20	148.51	8	2	1/1/1968	K14S	2	1250B4	7	Navajo
11		50067	8	103	VC	Rehab	22	140.9	8	21	145.02	8	2	1/1/1968	K14S	2	1250B5	7	Navajo
11		50066	8	126	VC	Rehab	23	135.31	4	22	140.9	8	#N/A	1/1/1968	K14S	2	1250B5	7	Navajo
11	PRINCESS VIEW DR	50063	8	181	VC	Rehab	17	169.17	14	14	190.84	10	1	1/1/1963	K14S	2	1250B5	7	Navajo
11	PRINCESS VIEW DR	50064	8	350	VC	Point Repair/Rehab	23	135.31	4	17	169.17	14	5	1/1/1963	K14S	2	1250B5	7	Navajo
12	LEICESTER ST	50323	8	217	VC	Rehab	278	225.37	8	277	252.74	6	5	1/1/1963	K14S	4	1250A5	7	Navajo
12		50322	8	192	VC	Rehab	279	206.94	10	278	225.37	8	3	1/1/1963	K14S	4	1250A5	7	Navajo
12	KEIGHLEY ST	50320	8	198	VC	Rehab	10	160.54	8	280	178.17	10	2	1/1/1963	K14S	4	1250A5	7	Navajo
12	WEMBLEY ST	50058	8	222	VC	Rehab	10	160.54	8	11	174.98	7	4	1/1/1963	K14S	1	1250A5	7	Navajo
12	KEIGHLEY ST	50057	8	225	VC	Rehab	9	133.98	8	10	160.54	8	5	1/1/1963	K14S	1	1250A5	7	Navajo
13	BARCLAY AV	50219	8	239	VC	Point Repair/Rehab	184	328	8	186	334.94	6	7	7/1/1952	K14S	5	1250B5	7	Navajo
14	50TH ST	50589	8	258	VC	Rehab	289	286.52	6	287	288.38	6	7	2/24/1955	K15S	4	1250A7	7	Navajo
14	50TH ST	50585	8	50	VC	Rehab	286	290.13	6	284	290.38	6	4	2/24/1955	K15S	4	1250A6	7	Navajo
14	50TH ST	50584	8	114	VC	Rehab	281	289.62	6	283	290.19	6	5	2/24/1955	K15S	4	1250A6	7	Navajo
14	50TH ST	50586	8	350	VC	Point Repair/Rehab	287	288.38	6	286	290.13	6	12	2/24/1955	K15S	4	1250A6	7	Navajo

APPENDIX M
SEWER MANHOLE SPREADSHEET

Pipeline Rehabilitation BA-1 (B-20014) Sewer Manhole Spreadsheet

Map	Thomas Brothers	FSN	MH IE	MH Depth	Manhole Method	Council District	Community	Installed	MH ID	Field Book
Rehab Manhole										
1	1250A7	117230	385.61	12	Rehab	7	Navajo	1/1/1959	324	K15S
1	1250B7	117288	396.12	14	Rehab	7	Navajo	1/1/1959	56	K16S
1	1250B7	117289	395.52	11	Rehab	7	Navajo	1/1/1959	57	K16S
1	1250A7	117291	384.52	16	Replace	7	Navajo	1/1/1959	60	K16S
2	1269H1	110276	76.63	10	Rehab	7	Navajo	1/1/1976	17	J16S
2	1269H1	110279	64	24	Rehab	7	Navajo	4/23/1968	20	J16S
2	1249H7	110291	s	10	Rehab	7	Navajo	1/1/1957	37	J16S
2	1249H7	110302	58.84	14	Rehab	7	Navajo	1/1/1955	53	J16S
3	1249J7	110164	146.73	11	Rehab	7	Navajo	9/15/1958	140	J15S
4	1249J6	110100	201.71	7	Rehab	7	Navajo	1/1/1956	62	J15S
4	1249J6	110101	195.46	7	Rehab	7	Navajo	1/1/1956	63	J15S
4	1249J6	110102	188.72	7	Rehab	7	Navajo	1/1/1956	64	J15S
4	1249J6	110104	234.04	7	Rehab	7	Navajo	1/1/1956	66	J15S
4	1249J6	110108	247.14	5	Replace	7	Navajo	1/1/1956	70	J15S
4	1249J6	110122	211.64	7	Rehab	7	Navajo	1/1/1956	89	J15S
4	1249J6	110207	239.8	7	Replace	7	Navajo	1/1/1956	195	J15S
4	1249J6	110208	241.74	8	Rehab	7	Navajo	1/1/1956	196	J15S
5	1249J7	110194	0	0	Rehab	7	Navajo	1/1/1963	182	J15S
5	1249J7	110210	254.77	3	Rehab	7	Navajo	11/12/1954	201	J15S
6	1249J6	110093	169.64	10	Replace	7	Navajo	1/1/1956	54	J15S
6	1249J6	110094	184.03	7	Rehab	7	Navajo	1/1/1956	55	J15S
6	1249J6	110096	185.55	9	Rehab	7	Navajo	1/1/1956	58	J15S
7	1249H6	110058	83.97	25	Rehab	7	Navajo	1/1/1955	13	J15S
7	1249J6	110072	137.31	6	Rehab	7	Navajo	1/1/1956	28	J15S
7	1249J6	110075	141.53	7	Rehab	7	Navajo	1/1/1956	33	J15S
7	1249J6	110080	125.14	9	Rehab	7	Navajo	1/1/1955	39	J15S
7	1249J6	110082	122.1	8	Rehab	7	Navajo	1/1/1955	42	J15S
7	1249H6	110083	112.1	6	Rehab	7	Navajo	1/1/1955	43	J15S
8	1249H6	110062	92.13	7	Rehab	7	Navajo	1/1/1961	17	J15S
9	1249J5	5657209	93.96	20	Rehab	7	Navajo	6/28/2013	123	J14S
9	1249J5	110013	128.63	7	Rehab	7	Navajo	1/1/1956	51	J14S
9	1249J5	110014	119.35	9	Rehab	7	Navajo	1/1/1956	52	J14S
9	1249J5	110016	160.04	7	Replace	7	Navajo	1/1/1956	54	J14S
9	1249J5	110017	167.04	7	Rehab	7	Navajo	1/1/1956	55	J14S
9	1249J5	110018	148.52	8	Rehab	7	Navajo	1/1/1956	56	J14S
9	1249J5	110020	177.04	9	Rehab	7	Navajo	1/1/1956	58	J14S
9	1249J5	110038	119.61	6	Rehab	7	Navajo	1/1/1956	78	J14S
11	1250B5	116701	140.9	8	Rehab	7	Navajo	1/1/1968	22	K14S
12	1250A5	116945	225.37	8	Replace	7	Navajo	1/1/1963	278	K14S
Install Cleanout										
1	1250B7	117229	386.35	4	Install Cleanout	7	Navajo	<Null>	320	K15S
1	1250B7	117287	404	10	Install Cleanout	7	Navajo	<Null>	54	K16S
1	1250B7	117293	403.12	8	Install New Manhole	7	Navajo	<Null>	63	K16S
1	1250B7	117294	403.12	9	Install Cleanout	7	Navajo	<Null>	64	K16S
2	1269J1	110327	77.6	11	Install Cleanout	7	Navajo	4/23/1968	83	J16S
3	1249J7	110144	140.22	5	Install Cleanout	7	Navajo	<Null>	115	J15S
3	1249J7	110192	164.12	5	Install New Manhole	7	Navajo	9/15/1958	179	J15S
3	1249J7	110310	204.54	0	Install Cleanout	7	Navajo	9/15/1958	62	J16S
4	1249J6	110099	205.49	7	Install Cleanout	7	Navajo	<Null>	61	J15S
4	1249J6	110103	189.16	5	Install Cleanout	7	Navajo	<Null>	65	J15S
4	1249J6	110109	250.14	5	Install Cleanout	7	Navajo	<Null>	72	J15S
4	1249J6	110119	213.24	7	Install Cleanout	7	Navajo	<Null>	86	J15S
4	1249J6	110120	213.76	7	Install Cleanout	7	Navajo	<Null>	87	J15S
4	1249J7	110209	244.15	11	Install New Manhole	7	Navajo	<Null>	198	J15S
5	1249J7	110253	255.48	1	Install Cleanout	7	Navajo	<Null>	302	J15S

Pipeline Rehabilitation BA-1 (B-20014) Sewer Manhole Spreadsheet

Map	Thomas Brothers	FSN	MH IE	MH Depth	Manhole Method	Council District	Community	Installed	MH ID	Field Book
6	1249J6	110095	185.66	7	Install Cleanout	7	Navajo	<Null>	56	J15S
6	1249J6	110215	189.16	5	Install Cleanout	7	Navajo	<Null>	208	J15S
6	1249J6	110257	186.99	6	Install Cleanout	7	Navajo	<Null>	342	J15S
7	1249J6	110073	138.07	6	Install Cleanout	7	Navajo	<Null>	29	J15S
7	1249J6	110076	147.29	7	Install Cleanout	7	Navajo	<Null>	35	J15S
8	1249H6	110059	102.12	6	Install Cleanout	7	Navajo	<Null>	14	J15S
8		0	0	0	Install Cleanout	7	Navajo		0	
9	1249J5	110011	139.37	5	Install Cleanout	7	Navajo	<Null>	49	J14S
9	1249J5	110012	139.37	6	Install Cleanout	7	Navajo	<Null>	50	J14S
9	1249J6	110021	188.24	7	Install Cleanout	7	Navajo	<Null>	59	J14S
10	1250A5	116913	319.05	7	Install Cleanout	7	Navajo	<Null>	246	K14S
10	1250A5	116914	317.34	8	Install Cleanout	7	Navajo	<Null>	247	K14S
10	1250A6	116974	313.27	6	Install Cleanout	7	Navajo	<Null>	5	K15S
10	1250A6	116977	316.6	7	Install Cleanout	7	Navajo	<Null>	9	K15S
10	1250A6	116988	308.84	6	Install Cleanout	7	Navajo	<Null>	24	K15S
11	1250B4	116699	148.51	8	Install Cleanout	7	Navajo	<Null>	20	K14S
14	1250A6	117195	290.19	6	Install Cleanout	7	Navajo	2/24/1955	283	K15S
14	1250A6	117196	290.38	6	Install Cleanout	7	Navajo	2/24/1955	284	K15S

APPENDIX N
SEWER LATERAL SPREADSHEET

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
1	1	50605	326503	4	K15S	5738 TRINITY PL
1	2	50605	326507	4	K15S	5737 TRINITY PL
1	3	50605	326565	4	K15S	5725 TRINITY PL
1	4	50605	326597	4	K15S	5714 TRINITY PL
1	5	50605	206943	4	K15S	5749 TRINITY PL
1	6	50605	206953	4	K15S	5738 TRINITY PL
1	7	50605	207010	4	K15S	5726 TRINITY PL
1	8	50669	326825	4	K16S	5543 TRINITY WY
1	9	50669	326842	4	K16S	5535 TRINITY WY
1	10	50669	207346	4	K16S	5552 TRINITY WY
1	11	50670	326835	4	K16S	5526 TRINITY WY
1	12	50670	326907	4	K16S	5518 TRINITY WY
1	13	50670	326943	4	K16S	5525 TRINITY WY
1	14	50670	207355	4	K16S	5534 TRINITY WY
1	15	50672	327064	4	K16S	5534 DEL CERRO BL
1	16	50672	207672	4	K16S	5546 DEL CERRO BL
1	17	50672	207776	4	K16S	5535 DEL CERRO BL
1	18	50668	207282	4	K15S	5564 TRINITY WY
1	19	50668	207324	4	K16S	5554 TRINITY WY
1	20	50668	207395	4	K16S	5553 TRINITY WY
1	21	50668	NA	Unk	K16S	5565 TRINITY WY
1	22	50667	326801	4	K16S	5588 TRINITY WY
1	23	50667	207266	4	K15S	5572 TRINITY WY
1	24	50667	207340	4	K16S	5580 TRINITY WY
1	25	50666	326855	4	K16S	5602 DEL CERRO BL
1	26	50665	327027	4	K16S	5615 DEL CERRO BL
1	27	50665	207520	4	K16S	5632 DEL CERRO BL
1	28	50665	207531	4	K16S	5614 DEL CERRO BL
1	29	50665	207662	4	K16S	5601 DEL CERRO BL
1	30	50671	326978	4	K16S	5587 TRINITY WY
1	31	50671	327063	4	K16S	5583 DEL CERRO BL
1	32	50671	327086	4	K16S	5559 DEL CERRO BL
1	33	50671	207613	4	K16S	5570 DEL CERRO BL
1	34	50671	207632	4	K16S	5558 DEL CERRO BL
1	35	50671	207679	4	K16S	5593 DEL CERRO BL
2	36	43460	375161	4	J16S	5909 FAIRMOUNT AV
2	37	43460	327696	4	J16S	5826 MISSION GORGE RD
2	38	43460	327699	4	J16S	5850 MISSION GORGE RD
2	39	43460	5217053	6	J16S	5826 MISSION GORGE RD
2	40	43458	5592585	6	J16S	5910 MISSION GORGE RD
2	41	43458	327649	4	J16S	5850 MISSION GORGE RD
2	42	43458	280092	4	J16S	5909 FAIRMOUNT AV
2	43	43456	327664	4	J16S	5901 MISSION GORGE RD

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
2	44	43456	327670	4	J16S	5901 MISSION GORGE RD
2	45	43456	208383	4	J16S	5945 MISSION GORGE RD
2	46	43456	208485	6	J16S	5901 MISSION GORGE RD
2	47	43456	208501	4	J16S	5901 MISSION GORGE RD
2	48	43440	328111	4	J16S	4348 ALVARADO CANYON RD
2	49	43440	328137	4	J16S	4348 ALVARADO CANYON RD
2	50	43440	5054355	4	J16S	5927 MISSION GORGE RD
2	51	43440	208782	4	J16S	0
2	52	43440	208987	4	J16S	4348 ALVARADO CANYON RD
2	53	43489	208702	4	J16S	4560 ALVARADO CANYON RD
2	54	43489	208706	4	J16S	4610 ALVARADO CANYON RD
3	55	43321	325934	4	J15S	4757 VANDEVER AV
3	56	43321	206078	4	J15S	4734 VANDEVER AV
3	57	43321	206079	4	J15S	4742 VANDEVER AV
3	58	43321	206181	4	J15S	4741 VANDEVER AV
3	59	43321	206182	4	J15S	4749 VANDEVER AV
3	60	43321	206186	4	J15S	4765 VANDEVER AV
3	61	43297	325657	4	J15S	6239 CRAWFORD ST
3	62	43297	325681	4	J15S	6234 CRAWFORD ST
3	63	43297	205837	4	J15S	6229 CRAWFORD ST
3	64	43297	205893	4	J15S	6224 CRAWFORD ST
3	65	43297	205949	4	J15S	6204 CRAWFORD ST
3	66	43297	0	Unk		6244 CRAWFORD ST
3	67	5347428	326210	4	J15S	6165 CRAWFORD ST
3	68	5347428	5347482	4	J15S	4690 CRAWFORD CT
3	69	5347429	326382	4	J15S	6140 CRAWFORD ST
3	70	5347429	206629	4	J15S	6157 CRAWFORD ST
3	71	5347429	206703	4	J15S	6149 CRAWFORD ST
3	72	5347429	206787	4	J15S	6141 CRAWFORD ST
3	73	43317	326454	4	J15S	6133 CRAWFORD ST
3	74	43317	326518	4	J15S	6116 CRAWFORD ST
3	75	43317	326614	4	J15S	6110 CRAWFORD ST
3	76	43317	326675	4	J15S	6106 CRAWFORD ST
3	77	43317	206972	4	J15S	6125 CRAWFORD ST
3	78	43317	207057	4	J15S	6117 CRAWFORD ST
3	79	43317	207139	4	J15S	6109 CRAWFORD ST
3	80	43317	207219	4	J15S	6101 CRAWFORD ST
3	81	43474	327199	4	J16S	4767 ELSA RD
3	82	43474	207872	4	J16S	4761 ELSA RD
3	83	43475	327185	4	J16S	4741 ELSA RD
3	84	43475	207857	4	J16S	4733 ELSA RD
3	85	43475	207866	4	J16S	4749 ELSA RD
3	86	43475	207868	4	J16S	4755 ELSA RD

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
4	87	43278	201877	4	J15S	6661 CLARA LEE AV
4	88	43278	201935	4	J15S	6652 CLARA LEE AV
4	89	43278	201968	4	J15S	6651 CLARA LEE AV
4	90	43278	202084	4	J15S	6642 CLARA LEE AV
4	91	43278	202127	4	J15S	6641 CLARA LEE AV
4	92	43279	323017	4	J15S	6631 CLARA LEE AV
4	93	43279	323078	4	J15S	6622 CLARA LEE AV
4	94	43279	323207	4	J15S	6611 CLARA LEE AV
4	95	43279	323326	4	J15S	4840 ZION AV
4	96	43279	202253	4	J15S	6632 CLARA LEE AV
4	97	43279	202349	4	J15S	6621 CLARA LEE AV
4	98	43279	202536	4	J15S	6612 CLARA LEE AV
4	99	43279	202680	4	J15S	6602 CLARA LEE AV
4	100	43268	203596	4	J15S	6536 ESTRELLA AV
4	101	43263	323517	4	J15S	6581 CLARA LEE AV
4	102	43263	323597	4	J15S	6572 CLARA LEE AV
4	103	43263	323600	4	J15S	6571 CLARA LEE AV
4	104	43263	323712	4	J15S	6561 CLARA LEE AV
4	105	43263	323887	4	J15S	6541 CLARA LEE AV
4	106	43263	202972	4	J15S	6582 CLARA LEE AV
4	107	43263	203245	4	J15S	6562 CLARA LEE AV
4	108	43263	203378	4	J15S	6552 CLARA LEE AV
4	109	43263	203386	4	J15S	6551 CLARA LEE AV
4	110	43263	203494	4	J15S	6542 CLARA LEE AV
4	111	43264	323990	4	J15S	6531 CLARA LEE AV
4	112	43264	324078	4	J15S	6516 CLARA LEE AV
4	113	43264	324200	4	J15S	6502 CLARA LEE AV
4	114	43264	324222	4	J15S	6501 CLARA LEE AV
4	115	43264	203633	4	J15S	6530 CLARA LEE AV
4	116	43264	203737	4	J15S	6521 CLARA LEE AV
4	117	43264	203864	4	J15S	6511 CLARA LEE AV
4	118	43264	204089	4	J15S	6491 CLARA LEE AV
4	119	43264	204127	4	J15S	6484 CLARA LEE AV
4	120	43264	204203	4	J15S	6483 CLARA LEE AV
4	121	43362	324506	4	J15S	6470 CLARA LEE AV
4	122	43362	1138627	4	J15S	6443 CLARA LEE AV
4	123	43362	324594	4	J15S	6454 CLARA LEE AV
4	124	43362	324648	4	J15S	6459 CLARA LEE AV
4	125	43362	324723	4	J15S	6444 CLARA LEE AV
4	126	43362	324727	4	J15S	6451 CLARA LEE AV
4	127	43362	324773	4	J15S	6434 CLARA LEE AV
4	128	43362	204333	4	J15S	6475 CLARA LEE AV
4	129	43362	204399	4	J15S	6467 CLARA LEE AV

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
4	130	43362	204520	4	J15S	6444 CLARA LEE AV
4	131	43362	204692	4	J15S	6435 CLARA LEE AV
4	132	43363	324883	4	J15S	6424 CLARA LEE AV
4	133	43363	324909	4	J15S	6427 CLARA LEE AV
4	134	43363	324984	4	J15S	6412 CLARA LEE AV
4	135	43363	325061	4	J15S	6402 CLARA LEE AV
4	136	43363	325066	4	J15S	6411 CLARA LEE AV
4	137	43363	325137	4	J15S	6401 CLARA LEE AV
4	138	43363	325164	4	J15S	6390 CLARA LEE AV
4	139	43363	204857	4	J15S	6419 CLARA LEE AV
4	140	43364	325382	4	J15S	6369 CLARA LEE AV
4	141	43364	205171	4	J15S	6389 CLARA LEE AV
4	142	43364	205237	4	J15S	6380 CLARA LEE AV
4	143	43364	205283	4	J15S	6379 CLARA LEE AV
4	144	43364	205378	4	J15S	6370 CLARA LEE AV
4	145	43364	205433	4	J15S	6360 CLARA LEE AV
4	146	43281	322847	4	J15S	6665 DELBARTON ST
4	147	43281	201755	4	J15S	6686 DELBARTON ST
4	148	43281	201769	4	J15S	6676 DELBARTON ST
4	149	43281	201865	4	J15S	6666 DELBARTON ST
4	150	43281	201887	4	J15S	6677 DELBARTON ST
4	151	43281	201930	4	J15S	6656 DELBARTON ST
4	152	43280	322922	4	J15S	6645 DELBARTON ST
4	153	43280	322992	4	J15S	6626 DELBARTON ST
4	154	43280	323021	4	J15S	6629 DELBARTON ST
4	155	43280	323086	4	J15S	6618 DELBARTON ST
4	156	43280	323210	4	J15S	6610 DELBARTON ST
4	157	43280	202026	4	J15S	6646 DELBARTON ST
4	158	43280	202100	4	J15S	6636 DELBARTON ST
4	159	43280	202375	4	J15S	6619 DELBARTON ST
4	160	43280	202552	4	J15S	6611 DELBARTON ST
4	161	43280	202644	4	J15S	6602 DELBARTON ST
4	162	43280	202677	4	J15S	4820 ZION AV
4	163	43261	202993	4	J15S	6595 DELBARTON ST
4	164	43259	323694	4	J15S	6584 DELBARTON ST
4	165	43259	323793	4	J15S	6577 DELBARTON ST
4	166	43259	203185	4	J15S	6591 DELBARTON ST
4	167	43259	203186	4	J15S	6590 DELBARTON ST
4	168	43259	203260	4	J15S	6585 DELBARTON ST
4	169	43259	203335	4	J15S	6576 DELBARTON ST
4	170	43258	323967	4	J15S	6565 DELBARTON ST
4	171	43258	323979	4	J15S	6564 DELBARTON ST
4	172	43258	324062	4	J15S	6557 DELBARTON ST

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
4	173	43258	324169	4	J15S	6544 DELBARTON ST
4	174	43258	324206	4	J15S	6541 DELBARTON ST
4	175	43258	203487	4	J15S	6571 DELBARTON ST
4	176	43258	203506	4	J15S	6570 DELBARTON ST
4	177	43258	203759	4	J15S	6554 DELBARTON ST
4	178	43258	203866	4	J15S	6549 DELBARTON ST
4	179	43257	324260	4	J15S	6534 DELBARTON ST
4	180	43257	324316	4	J15S	6533 DELBARTON ST
4	181	43257	324344	4	J15S	6526 DELBARTON ST
4	182	43257	324414	4	J15S	6525 DELBARTON ST
4	183	43257	324426	4	J15S	6518 DELBARTON ST
4	184	43257	204309	4	J15S	6517 DELBARTON ST
4	185	43257	204354	4	J15S	6509 DELBARTON ST
4	186	43256	324625	4	J15S	6501 DELBARTON ST
4	187	43256	204509	4	J15S	6495 DELBARTON ST
5	188	43367	325479	4	J15S	6359 CLARA LEE AV
5	189	43367	325507	4	J15S	6356 CLARA LEE AV
5	190	43367	325521	4	J15S	6351 CLARA LEE AV
5	191	43367	325574	4	J15S	6350 CLARA LEE AV
5	192	43367	205692	4	J15S	6343 CLARA LEE AV
5	193	43367	205731	4	J15S	6342 CLARA LEE AV
5	194	43366	325667	4	J15S	6334 CLARA LEE AV
5	195	43366	325718	4	J15S	6326 CLARA LEE AV
5	196	43366	325772	4	J15S	6318 CLARA LEE AV
5	197	43366	205809	4	J15S	6319 CLARA LEE AV
6	198	43282	322986	4	J15S	6632 CARTWRIGHT ST
6	199	43282	323100	4	J15S	6621 CARTWRIGHT ST
6	200	43282	323198	4	J15S	6612 CARTWRIGHT ST
6	201	43282	323292	4	J15S	6602 CARTWRIGHT ST
6	202	43282	202139	4	J15S	6641 CARTWRIGHT ST
6	203	43282	202140	4	J15S	6650 CARTWRIGHT ST
6	204	43282	202141	4	J15S	6642 CARTWRIGHT ST
6	205	43282	202223	4	J15S	6631 CARTWRIGHT ST
6	206	43282	202361	4	J15S	6622 CARTWRIGHT ST
6	207	43282	202477	4	J15S	6611 CARTWRIGHT ST
6	208	43282	202692	4	J15S	4802 ZION AV
6	209	43260	202987	4	J15S	6596 DELBARTON ST
6	210	43251	323480	4	J15S	6592 CARTWRIGHT ST
6	211	43251	323587	4	J15S	6582 CARTWRIGHT ST
6	212	43251	323683	4	J15S	6574 CARTWRIGHT ST
6	213	43251	323777	4	J15S	6566 CARTWRIGHT ST
6	214	43251	323834	4	J15S	6558 CARTWRIGHT ST
6	215	43251	323943	4	J15S	6550 CARTWRIGHT ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
6	216	43251	202953	4	J15S	4801 ZION AV
6	217	43251	203081	4	J15S	6581 CARTWRIGHT ST
6	218	43251	203209	4	J15S	6573 CARTWRIGHT ST
6	219	43251	203363	4	J15S	6565 CARTWRIGHT ST
6	220	43251	203484	4	J15S	6557 CARTWRIGHT ST
6	221	43252	324041	4	J15S	6541 CARTWRIGHT ST
6	222	43252	324065	4	J15S	6540 CARTWRIGHT ST
6	223	43252	203609	4	J15S	6549 CARTWRIGHT ST
6	224	43252	203840	4	J15S	6533 CARTWRIGHT ST
6	225	43252	203854	4	J15S	6534 CARTWRIGHT ST
6	226	43252	203933	4	J15S	6525 CARTWRIGHT ST
6	227	43252	203950	4	J15S	6526 CARTWRIGHT ST
6	228	43424	324442	4	J15S	6505 CARTWRIGHT ST
6	229	43424	324484	4	J15S	6502 CARTWRIGHT ST
6	230	43424	204092	4	J15S	6515 CARTWRIGHT ST
6	231	43424	204093	4	J15S	6518 CARTWRIGHT ST
6	232	43424	204174	4	J15S	6510 CARTWRIGHT ST
6	233	43255	324667	4	J15S	6490 DELBARTON ST
6	234	43254	1147468	4	J15S	4793 ORCUTT AV
6	235	43254	204479	4	J15S	0
6	236	43254	204480	4	J15S	4779 ORCUTT AV
6	237	43254	204482	4	J15S	4785 ORCUTT AV
6	238	43283	322987	4	J15S	6631 SEAMAN ST
6	239	43283	323009	4	J15S	6632 SEAMAN ST
6	240	43283	323188	4	J15S	6611 SEAMAN ST
6	241	43283	323259	4	J15S	6602 SEAMAN ST
6	242	43283	323277	4	J15S	4770 ZION AV
6	243	43283	202147	4	J15S	6641 SEAMAN ST
6	244	43283	202148	4	J15S	6650 SEAMAN ST
6	245	43283	202149	4	J15S	6642 SEAMAN ST
6	246	43283	202274	4	J15S	6622 SEAMAN ST
6	247	43283	202355	4	J15S	6621 SEAMAN ST
6	248	43283	202472	4	J15S	6612 SEAMAN ST
6	249	43250	323515	4	J15S	6595 SEAMAN ST
6	250	43249	323693	4	J15S	6575 SEAMAN ST
6	251	43249	323708	4	J15S	6576 SEAMAN ST
6	252	43249	323770	4	J15S	6567 SEAMAN ST
6	253	43249	202951	4	J15S	6594 SEAMAN ST
6	254	43249	203092	4	J15S	6583 SEAMAN ST
6	255	43249	203113	4	J15S	6584 SEAMAN ST
6	256	43249	203354	4	J15S	6568 SEAMAN ST
6	257	43248	323863	4	J15S	6559 SEAMAN ST
6	258	43248	323873	4	J15S	6560 SEAMAN ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
6	259	43248	324021	4	J15S	6541 SEAMAN ST
6	260	43248	324130	4	J15S	6533 SEAMAN ST
6	261	43248	203595	4	J15S	6551 SEAMAN ST
6	262	43248	203627	4	J15S	6552 SEAMAN ST
6	263	43248	203709	4	J15S	6544 SEAMAN ST
6	264	43248	203836	4	J15S	6536 SEAMAN ST
6	265	43247	324197	4	J15S	6525 SEAMAN ST
6	266	43247	324324	4	J15S	6517 SEAMAN ST
6	267	43247	324398	4	J15S	6509 SEAMAN ST
6	268	43247	324482	4	J15S	0
6	269	43247	203977	4	J15S	6528 SEAMAN ST
6	270	43247	204062	4	J15S	6520 SEAMAN ST
6	271	43247	204195	4	J15S	6512 SEAMAN ST
6	272	43247	204318	4	J15S	6504 SEAMAN ST
6	273	43246	324652	4	J15S	0
6	274	43246	324710	4	J15S	6473 SEAMAN ST
6	275	43246	324717	4	J15S	6474 SEAMAN ST
6	276	43246	324749	4	J15S	6460 SEAMAN ST
6	277	43246	324863	4	J15S	6446 SEAMAN ST
6	278	43246	324917	4	J15S	6429 SEAMAN ST
6	279	43246	204620	4	J15S	6459 SEAMAN ST
6	280	43246	204699	4	J15S	6445 SEAMAN ST
6	281	43246	204777	4	J15S	6430 SEAMAN ST
6	282	43372	325017	4	J15S	6416 SEAMAN ST
6	283	43372	204884	4	J15S	6415 SEAMAN ST
6	284	43372	204996	4	J15S	6402 SEAMAN ST
6	285	43372	205004	4	J15S	6401 SEAMAN ST
6	286	43233	202775	4	J15S	6601 BURGUNDY ST
7	287	43211	323472	4	J15S	6585 MISSION GORGE RD
7	288	43211	323474	4	J15S	6505 MISSION GORGE RD
7	289	43211	202753	4	J15S	6605 MISSION GORGE RD
7	290	43239	202755	4	J15S	4540 ZION AV
7	291	43237	202765	8	J15S	4560 ZION AV
7	292	43236	202768	6	J15S	4560 ZION AV
7	293	43220	322903	4	J15S	6641 ARCHWOOD AV
7	294	43220	322985	4	J15S	6631 ARCHWOOD AV
7	295	43220	323075	4	J15S	6621 ARCHWOOD AV
7	296	43220	323164	4	J15S	6611 ARCHWOOD AV
7	297	43220	323225	4	J15S	4660 ZION AV
7	298	43220	323242	4	J15S	4670 ZION AV
7	299	43220	202070	4	J15S	6642 ARCHWOOD AV
7	300	43220	202172	4	J15S	6632 ARCHWOOD AV
7	301	43220	202312	4	J15S	4660 ZION AV

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
7	302	43221	322348	4	J15S	6686 ARCHWOOD AV
7	303	43221	322479	4	J15S	6674 ARCHWOOD AV
7	304	43221	322573	4	J15S	6669 ARCHWOOD AV
7	305	43221	322695	4	J15S	6661 ARCHWOOD AV
7	306	43221	322813	4	J15S	6651 ARCHWOOD AV
7	307	43221	201320	4	J15S	6685 ARCHWOOD AV
7	308	43221	201337	4	J15S	6680 ARCHWOOD AV
7	309	43221	201484	4	J15S	6675 ARCHWOOD AV
7	310	43221	201670	4	J15S	6668 ARCHWOOD AV
7	311	43221	201785	4	J15S	6660 ARCHWOOD AV
7	312	43221	201924	4	J15S	6652 ARCHWOOD AV
7	313	43222	200963	4	J15S	6761 BURGUNDY ST
7	314	43222	201031	4	J15S	6698 ARCHWOOD AV
7	315	43222	201116	4	J15S	6692 ARCHWOOD AV
7	316	43222	201206	4	J15S	6697 ARCHWOOD AV
7	317	43223	322233	4	J15S	6750 BURGUNDY ST
7	318	43223	200927	4	J15S	6751 BURGUNDY ST
7	319	43223	200942	4	J15S	6741 BURGUNDY ST
7	320	43223	200999	4	J15S	6721 BURGUNDY ST
7	321	43223	201152	4	J15S	6696 CRAWFORD ST
7	322	43223	322143	4	J15S	6731 BURGUNDY ST
7	323	43230	322353	4	J15S	6693 BURGUNDY ST
7	324	43230	322484	4	J15S	6675 BURGUNDY ST
7	325	43230	322507	4	J15S	6676 BURGUNDY ST
7	326	43230	322521	4	J15S	6667 BURGUNDY ST
7	327	43230	201046	4	J15S	6711 BURGUNDY ST
7	328	43230	201128	4	J15S	6701 BURGUNDY ST
7	329	43230	201348	4	J15S	6690 BURGUNDY ST
7	330	43230	201361	4	J15S	6683 BURGUNDY ST
7	331	43227	322414	4	J15S	6686 CRAWFORD ST
7	332	43228	322693	4	J15S	6655 CRAWFORD ST
7	333	43228	322816	4	J15S	6645 CRAWFORD ST
7	334	43228	322881	4	J15S	6635 CRAWFORD ST
7	335	43228	322964	4	J15S	6627 CRAWFORD ST
7	336	43228	322970	4	J15S	6626 CRAWFORD ST
7	337	43228	201515	4	J15S	6676 CRAWFORD ST
7	338	43228	201653	4	J15S	6667 CRAWFORD ST
7	339	43228	201666	4	J15S	6666 CRAWFORD ST
7	340	43228	201777	4	J15S	6654 CRAWFORD ST
7	341	43228	201916	4	J15S	6644 CRAWFORD ST
7	342	43228	202052	4	J15S	6634 CRAWFORD ST
7	343	43229	323061	4	J15S	6619 CRAWFORD ST
7	344	43229	323083	4	J15S	6618 CRAWFORD ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
7	345	43229	202440	4	J15S	6610 CRAWFORD ST
7	346	43229	202452	4	J15S	6611 CRAWFORD ST
7	347	43231	322628	4	J15S	6659 BURGUNDY ST
7	348	43231	322671	4	J15S	6652 BURGUNDY ST
7	349	43231	322705	4	J15S	6651 BURGUNDY ST
7	350	43231	322793	4	J15S	6643 BURGUNDY ST
7	351	43231	201646	4	J15S	6666 BURGUNDY ST
7	352	43231	201940	4	J15S	6642 BURGUNDY ST
7	353	43231	202030	4	J15S	6634 BURGUNDY ST
7	354	43232	322989	4	J15S	6626 BURGUNDY ST
7	355	43232	202092	4	J15S	6635 BURGUNDY ST
7	356	43232	202157	4	J15S	6627 BURGUNDY ST
7	357	43232	202272	4	J15S	6618 BURGUNDY ST
7	358	43232	202318	4	J15S	6619 BURGUNDY ST
7	359	43232	202447	4	J15S	6610 BURGUNDY ST
7	360	43232	202474	4	J15S	6611 BURGUNDY ST
7	361	43234	323366	4	J15S	6603 CRAWFORD ST
7	362	43234	202771	4	J15S	6602 BURGUNDY ST
7	363	43235	202762	4	J15S	4690 ZION AV
8	364	43215	324589	4	J15S	6424 MISSION GORGE RD
8	365	43215	204407	4	J15S	10445 FRIARS RD
8	366	43215	204409	4	J15S	6424 MISSION GORGE RD
8	367	43212	203855	4	J15S	6505 MISSION GORGE RD
8	368	43214	324592	4	J15S	6435 MISSION GORGE RD
8	369	43214	204412	4	J15S	6435 MISSION GORGE RD
9	370	43155	199431	4	J14S	6801 MISSION GORGE RD
9	371	43155	199598	4	J14S	4701 GREENBRIER AV
9	372	43155	199604	4	J14S	4712 GREENBRIER AV
9	373	43155	199677	4	J14S	4722 GREENBRIER AV
9	374	43155	199781	4	J14S	4730 GREENBRIER AV
9	375	43155	321074	4	J14S	4709 GREENBRIER AV
9	376	43155	321143	4	J14S	4717 GREENBRIER AV
9	377	43155	321232	4	J14S	4725 GREENBRIER AV
9	378	43156	199909	4	J14S	4736 GREENBRIER AV
9	379	43156	321321	4	J14S	4731 GREENBRIER AV
9	380	43156	321341	4	J14S	4744 GREENBRIER AV
9	381	43156	321394	4	J14S	4737 GREENBRIER AV
9	382	43156	321457	4	J14S	4743 GREENBRIER AV
9	383	43156	0	Unk	J14S	4749 GREENBRIER AV
9	384	43158	199684	4	J14S	6826 MILLBROOK ST
9	385	43158	199829	4	J14S	6821 MILLBROOK ST
9	386	43158	321081	4	J14S	6829 MILLBROOK ST
9	387	43158	321275	4	J14S	6811 MILLBROOK ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
9	388	43159	199378	4	J14S	6841 MILLBROOK ST
9	389	43159	199379	4	J14S	6840 MILLBROOK ST
9	390	43159	320971	4	J14S	6835 MILLBROOK ST
9	391	43159	320988	4	J14S	6834 MILLBROOK ST
9	392	43160	198772	4	J14S	6866 MILLBROOK ST
9	393	43160	198936	4	J14S	6860 MILLBROOK ST
9	394	43160	199039	4	J14S	6854 MILLBROOK ST
9	395	43160	199197	4	J14S	6846 MILLBROOK ST
9	396	43160	199203	4	J14S	6847 MILLBROOK ST
9	397	43161	198407	4	J14S	6884 MILLBROOK ST
9	398	43161	198538	4	J14S	6878 MILLBROOK ST
9	399	43161	198649	4	J14S	6872 MILLBROOK ST
9	400	43161	320206	4	J14S	6885 MILLBROOK ST
9	401	43162	198120	4	J14S	6902 MILLBROOK ST
9	402	43163	198358	4	J14S	6893 MILLBROOK ST
9	403	43163	198411	4	J14S	4809 ALFRED AV
9	404	43163	320032	4	J14S	4802 ALFRED AV
9	405	43164	198232	4	J14S	4810 ALFRED AV
9	406	43164	198237	4	J14S	4824 ALFRED AV
9	407	43164	198242	4	J14S	4830 ALFRED AV
9	408	43164	198246	4	J14S	4836 ALFRED AV
9	409	43164	198427	4	J14S	4817 ALFRED AV
9	410	43164	320062	4	J14S	4818 ALFRED AV
9	411	43164	320189	4	J14S	4823 ALFRED AV
9	412	43164	320192	4	J14S	4829 ALFRED AV
9	413	43165	198814	4	J14S	6897 CARTWRIGHT ST
9	414	43165	198848	4	J14S	6891 CARTWRIGHT ST
9	415	43165	198903	4	J14S	6885 CARTWRIGHT ST
9	416	43165	198938	4	J14S	6879 CARTWRIGHT ST
9	417	43165	198942	4	J14S	6873 CARTWRIGHT ST
9	418	43165	320575	4	J14S	6896 CARTWRIGHT ST
9	419	43165	320609	4	J14S	6890 CARTWRIGHT ST
9	420	43166	199033	4	J14S	6867 CARTWRIGHT ST
9	421	43166	199145	4	J14S	6861 CARTWRIGHT ST
9	422	43166	199286	4	J14S	6855 CARTWRIGHT ST
9	423	43166	199420	4	J14S	6849 CARTWRIGHT ST
9	424	43166	199627	4	J14S	6843 CARTWRIGHT ST
9	425	43166	320640	4	J14S	6880 CARTWRIGHT ST
9	426	43166	320752	4	J14S	6860 CARTWRIGHT ST
9	427	43166	320868	4	J14S	6850 CARTWRIGHT ST
9	428	43166	321012	4	J14S	6844 CARTWRIGHT ST
9	429	43167	199712	4	J14S	6838 CARTWRIGHT ST
9	430	43167	199780	4	J14S	6837 CARTWRIGHT ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
9	431	43167	199957	4	J14S	6826 CARTWRIGHT ST
9	432	43167	200099	4	J14S	6819 CARTWRIGHT ST
9	433	43167	200393	4	J15S	6807 CARTWRIGHT ST
9	434	43167	321222	4	J14S	6832 CARTWRIGHT ST
9	435	43167	321255	4	J14S	6831 CARTWRIGHT ST
9	436	43167	321319	4	J14S	6825 CARTWRIGHT ST
9	437	43167	321410	4	J14S	6820 CARTWRIGHT ST
9	438	43167	321613	4	J15S	6808 CARTWRIGHT ST
9	439	43167	0	Unk		0
9	440	43167	0	Unk		0
9	441	43168	199792	4	J14S	6838 NEWBERRY ST
9	442	43168	199856	4	J14S	6832 NEWBERRY ST
9	443	43168	199912	4	J14S	6833 NEWBERRY ST
9	444	43168	200108	4	J14S	6821 NEWBERRY ST
9	445	43168	200111	4	J14S	6820 NEWBERRY ST
9	446	43168	321352	4	J14S	6827 NEWBERRY ST
9	447	43168	321373	4	J14S	6826 NEWBERRY ST
9	448	43169	199170	4	J14S	6862 NEWBERRY ST
9	449	43169	199320	4	J14S	6856 NEWBERRY ST
9	450	43169	199450	4	J14S	6850 NEWBERRY ST
9	451	43169	199624	4	J14S	6843 NEWBERRY ST
9	452	43169	199737	4	J14S	6839 NEWBERRY ST
9	453	43169	320735	4	J14S	6863 NEWBERRY ST
9	454	43169	320820	4	J14S	6857 NEWBERRY ST
9	455	43169	320916	4	J14S	6851 NEWBERRY ST
9	456	43169	321025	4	J14S	6844 NEWBERRY ST
9	457	43170	198577	4	J14S	6886 NEWBERRY ST
9	458	43170	198744	4	J14S	6880 NEWBERRY ST
9	459	43170	198847	4	J14S	6874 NEWBERRY ST
9	460	43170	199015	4	J14S	6868 NEWBERRY ST
9	461	43170	320190	4	J14S	4851 ALFRED AV
9	462	43170	320227	4	J14S	6896 NEWBERRY ST
9	463	43170	320322	4	J14S	6887 NEWBERRY ST
9	464	43170	320417	4	J14S	6881 NEWBERRY ST
9	465	43170	320485	4	J14S	6875 NEWBERRY ST
9	466	43170	320607	4	J14S	6869 NEWBERRY ST
9	467	43199	198019	4	J14S	6897 MISSION GORGE RD
9	468	43199	198097	4	J14S	6889 MISSION GORGE RD
9	469	43199	198166	4	J14S	6896 MILLBROOK ST
9	470	43199	320088	4	J14S	6890 MILLBROOK ST
10	471	50270	197683	4	K14S	5136 LEICESTER WY
10	472	50270	197754	4	K14S	6950 51ST ST
10	473	50270	197897	4	K14S	6940 51ST ST

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Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
10	474	50270	197945	4	K14S	6943 51ST ST
10	475	50286	198143	4	K14S	6931 51ST ST
10	476	50286	198171	4	K14S	6930 51ST ST
10	477	50286	198266	4	K14S	6916 51ST ST
10	478	50286	320055	4	K14S	6921 51ST ST
10	479	50287	198781	4	K14S	6887 51ST ST
10	480	50287	320156	4	K14S	6911 51ST ST
10	481	50287	320217	4	K14S	6902 51ST ST
10	482	50287	320231	4	K14S	6901 51ST ST
10	483	50287	320330	4	K14S	6895 51ST ST
10	484	50287	320543	4	K14S	6879 51ST ST
10	485	50287	320612	4	K14S	6874 51ST ST
10	486	50287	320649	4	K14S	6871 51ST ST
10	487	50288	199353	4	K14S	6855 51ST ST
10	488	50288	199508	4	K14S	6847 51ST ST
10	489	50288	199723	4	K14S	6832 51ST ST
10	490	50288	320704	4	K14S	6864 51ST ST
10	491	50288	320732	4	K14S	6863 51ST ST
10	492	50288	320794	4	K14S	6856 51ST ST
10	493	50288	320917	4	K14S	6848 51ST ST
10	494	50288	321017	4	K14S	6840 51ST ST
10	495	50288	321073	4	K14S	6839 51ST ST
10	496	50288	321195	4	K14S	6831 51ST ST
10	497	50288	321229	4	K14S	6824 51ST ST
10	498	50288	321294	4	K14S	6823 51ST ST
10	499	50289	199969	4	K14S	5022 HAVENWOOD AV
10	500	50289	200139	4	K14S	5019 HAVENWOOD AV
10	501	50289	321447	4	K14S	5007 HAVENWOOD AV
10	502	50289	321450	4	K14S	5029 HAVENWOOD AV
10	503	50277	199951	4	K14S	4966 HAVENWOOD AV
10	504	50277	199953	4	K14S	4974 HAVENWOOD AV
10	505	50277	199956	4	K14S	4982 HAVENWOOD AV
10	506	50277	200113	4	K14S	4963 HAVENWOOD AV
10	507	50277	200120	4	K14S	4989 HAVENWOOD AV
10	508	50277	200129	4	K14S	4995 HAVENWOOD AV
10	509	50277	321434	4	K14S	4973 HAVENWOOD AV
10	510	50277	321439	4	K14S	4981 HAVENWOOD AV
10	511	50341	200131	4	K14S	6818 51ST ST
10	512	50341	200232	4	K14S	6810 51ST ST
10	513	50341	321469	4	K14S	6815 51ST ST
10	514	50341	321553	4	K14S	6805 51ST ST
10	515	50341	321618	4	K15S	6802 51ST ST
10	516	50342	200693	4	K15S	6780 51ST ST

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
10	517	50342	321827	4	K15S	6790 51ST ST
10	518	50343	200651	4	K15S	5047 GREENBRIER AV
10	519	50343	321748	4	K15S	5040 GREENBRIER AV
10	520	50343	321886	4	K15S	5037 GREENBRIER AV
10	521	50344	200493	4	K15S	4962 GREENBRIER AV
10	522	50344	200658	4	K15S	4963 GREENBRIER AV
10	523	50344	200659	4	K15S	4975 GREENBRIER AV
10	524	50344	200665	4	K15S	5003 GREENBRIER AV
10	525	50344	200668	4	K15S	5015 GREENBRIER AV
10	526	50344	200671	4	K15S	5027 GREENBRIER AV
10	527	50344	321739	4	K15S	4974 GREENBRIER AV
10	528	50344	321742	4	K15S	5004 GREENBRIER AV
10	529	50344	321743	4	K15S	5016 GREENBRIER AV
10	530	50344	321746	4	K15S	5028 GREENBRIER AV
10	531	50345	200647	4	K15S	4927 GREENBRIER AV
10	532	50345	200652	4	K15S	4939 GREENBRIER AV
10	533	50345	200653	4	K15S	4951 GREENBRIER AV
10	534	50345	321725	4	K15S	4902 GREENBRIER AV
10	535	50345	321727	4	K15S	4914 GREENBRIER AV
10	536	50345	321731	4	K15S	4926 GREENBRIER AV
10	537	50345	321732	4	K15S	4938 GREENBRIER AV
10	538	50345	321735	4	K15S	4950 GREENBRIER AV
10	539	50345	321866	4	K15S	4901 GREENBRIER AV
10	540	50345	321869	4	K15S	4915 GREENBRIER AV
10	541	50361	323053	4	K15S	5052 RODMAN AV
10	542	50361	202293	4	K15S	5040 RODMAN AV
10	543	50361	202301	4	K15S	5064 RODMAN AV
10	544	50361	202304	4	K15S	5106 ZION AV
10	545	50361	202305	4	K15S	5076 RODMAN AV
10	546	50361	202486	4	K15S	5051 RODMAN AV
10	547	50361	202492	4	K15S	5063 RODMAN AV
10	548	50361	202493	4	K15S	5075 RODMAN AV
10	549	50360	323045	4	K15S	4964 RODMAN AV
10	550	50360	323048	4	K15S	5016 RODMAN AV
10	551	50360	323176	4	K15S	5027 RODMAN AV
10	552	50360	202278	4	K15S	4976 RODMAN AV
10	553	50360	202280	4	K15S	5004 RODMAN AV
10	554	50360	202289	4	K15S	5028 RODMAN AV
10	555	50360	202470	4	K15S	4963 RODMAN AV
10	556	50360	202473	4	K15S	4975 RODMAN AV
10	557	50360	202475	4	K15S	5003 RODMAN AV
10	558	50360	202478	4	K15S	5015 RODMAN AV
10	559	50360	202484	4	K15S	5039 RODMAN AV

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
10	560	50360	323044	4	K15S	4952 RODMAN AV
10	561	50359	323034	4	K15S	4904 RODMAN AV
10	562	50359	323036	4	K15S	4916 RODMAN AV
10	563	50359	323038	4	K15S	4928 RODMAN AV
10	564	50359	323041	4	K15S	4940 RODMAN AV
10	565	50359	202453	4	K15S	4903 RODMAN AV
10	566	50359	202454	4	K15S	4915 RODMAN AV
10	567	50359	202457	4	K15S	4927 RODMAN AV
10	568	50359	202463	4	K15S	4939 RODMAN AV
10	569	50359	202466	4	K15S	4951 RODMAN AV
11	570	50068	317437	4	K14S	5388 LAURA ST
11	571	50068	317464	4	K14S	5376 LAURA ST
11	572	50067	194772	4	K14S	5362 LAURA ST
11	573	50067	194901	4	K14S	5375 LAURA ST
11	574	50064	317744	4	K14S	7281 PRINCESS VIEW DR
11	575	50064	317982	4	K14S	7221 PRINCESS VIEW DR
11	576	50064	194973	4	K14S	7299 PRINCESS VIEW DR
11	577	50064	195203	4	K14S	7261 PRINCESS VIEW DR
11	578	50064	195308	4	K14S	7241 PRINCESS VIEW DR
11	579	50063	318164	4	K14S	0
12	580	50058	195495	4	K14S	7237 WEMBLEY ST
12	581	50058	195531	4	K14S	7228 WEMBLEY ST
12	582	50058	195587	4	K14S	7225 WEMBLEY ST
12	583	50058	195650	4	K14S	7215 WEMBLEY ST
12	584	50057	318258	4	K14S	7216 KEIGHLEY ST
12	585	50057	318316	4	K14S	7206 KEIGHLEY ST
12	586	50057	318391	4	K14S	7180 KEIGHLEY ST
12	587	50057	195683	4	K14S	7226 KEIGHLEY ST
12	588	50057	195738	4	K14S	7205 KEIGHLEY ST
12	589	50320	318486	4	K14S	7166 KEIGHLEY ST
12	590	50320	195886	4	K14S	7177 KEIGHLEY ST
12	591	50322	318748	4	K14S	7148 LEICESTER ST
12	592	50322	196546	4	K14S	7134 LEICESTER ST
12	593	50322	196681	4	K14S	7120 LEICESTER ST
12	594	50323	197056	4	K14S	7057 LEICESTER ST
12	595	50323	319122	4	K14S	7068 LEICESTER ST
12	596	50323	196774	4	K14S	7115 LEICESTER ST
12	597	50323	196851	4	K14S	7106 LEICESTER ST
12	598	50323	196928	4	K14S	7071 LEICESTER ST
13	599	50219	199574	4	K14S	5414 BARCLAY AV
13	600	50219	199655	4	K14S	5408 BARCLAY AV
13	601	50219	199771	4	K14S	5411 BARCLAY AV
13	602	50219	320972	4	K14S	5420 BARCLAY AV

Pipeline Rehabilitation BA-1 (B-20014) Sewer Lateral Spreadsheet

Map Number	Lateral	Main FSN	Lateral FSN	Lateral Size	Field Book Page	Address
13	603	50219	321105	4	K14S	5421 BARCLAY AV
13	604	50219	321106	4	K14S	5402 BARCLAY AV
13	605	50219	321204	4	K14S	5403 BARCLAY AV
14	606	50584	324825	4	K15S	6442 50TH ST
14	607	50584	324872	4	K15S	6425 50TH ST
14	608	50584	324873	4	K15S	6422 50TH ST
14	609	50584	325029	4	K15S	6405 50TH ST
14	610	50584	204840	4	K15S	6412 50TH ST
14	611	50585	325074	4	K15S	6399 50TH ST
14	612	50585	204960	4	K15S	6402 50TH ST
14	613	50585	205060	4	K15S	6398 50TH ST
14	614	50586	325180	4	K15S	6393 50TH ST
14	615	50586	325184	4	K15S	6392 50TH ST
14	616	50586	325230	4	K15S	6389 50TH ST
14	617	50586	325275	4	K15S	6383 50TH ST
14	618	50586	325354	4	K15S	6377 50TH ST
14	619	50586	325398	4	K15S	6371 50TH ST
14	620	50586	205186	4	K15S	6388 50TH ST
14	621	50586	205315	4	K15S	6382 50TH ST
14	622	50586	205379	4	K15S	6376 50TH ST
14	623	50586	205449	4	K15S	6370 50TH ST
14	624	50586	205533	4	K15S	6365 50TH ST
14	625	50586	205554	4	K15S	6364 50TH ST
14	626	50586	205596	4	K15S	6359 50TH ST
14	627	50586	325506	4	K15S	6358 50TH ST
14	628	50589	325616	4	K15S	6347 50TH ST
14	629	50589	325687	4	K15S	6341 50TH ST
14	630	50589	325720	4	K15S	6335 50TH ST
14	631	50589	205689	4	K15S	6352 50TH ST
14	632	50589	205698	4	K15S	6353 50TH ST
14	633	50589	205729	4	K15S	6346 50TH ST
Lateral connection only						

APPENDIX O
SAMPLE ARCHAEOLOGY INVOICE

(FOR ARCHAEOLOGY ONLY)

Company Name
Address, telephone, fax

Date: Insert Date

To: Name of Resident Engineer
City of San Diego
Construction Management and
Field Services Division
9573 Chesapeake Drive
San Diego, CA 92123-1304

Project Name: Insert Project Name

SAP Number (WBS/IO/CC): Insert SAP Number

Drawing Number: Insert Drawing Number

Invoice period: Insert Date to Insert Date

Work Completed: Bid item Number – Description of Bid Item – Quantity – Unit Price– Amount

Detailed summary of work completed under this bid item: Insert detailed description of Work related to Archaeology Monitoring Bid item. See Note 1 below.

Summary of charges:

Description of Services	Name	Start Date	End Date	Total Hours	Hourly Rate	Amount
Field Archaeologist	Joe Smith	8/29/2011	9/2/2011	40	\$84	\$3,360
Laboratory Assistant	Jane Doe	8/29/2011	9/2/2011	2	\$30	\$60
Subtotal						\$3,420

Work Completed: Bid item Number – Description of Bid Item – Quantity – Unit Price– Amount

Detailed summary of work completed under this bid item: Insert detailed description of Work related to Archaeology Curation/Discovery Bid item. See Note 2 below.

Summary of charges:

Description of Services	Where work occurred (onsite vs offsite/lab)	Name	Start Date	End Date	Total Hours	Hourly Rate	Amount
Field Archaeologist		Joe Smith	8/29/2011	9/2/2011	40	\$84	\$3,360
Laboratory Assistant		Jane Doe	8/29/2011	9/2/2011	2	\$30	\$60
Subtotal							\$3,420

Total this invoice: \$ _____

Total invoiced to date: \$ _____

Note 1:

For monitoring related bid items or work please include summary of construction work that was monitored from Station to Station, Native American monitors present, MMC coordination, status and nature of monitoring and if any discoveries were made.

Note 2:

For curation/discovery related bid items or work completed as part of a discovery and curation process, the PI must provide a response to the following questions along with the invoice:

1. Preliminary results of testing including tentative recommendations regarding eligibility for listing in the California Register of Historical Resources (California Register).
 - a. Please briefly describe your application (consideration) of all four California Register criteria.
 - b. If the resource is eligible under Criterion D, please define the important information that may be present.
 - c. Were specialized studies performed? How many personnel were required? How many Native American monitors were present?
 - d. What is the age of the resource?
 - e. Please define types of artifacts to be collected and curated, including quantity of boxes to be submitted to the San Diego Archaeological Center (SDAC). How many personnel were required? How many Native American monitors were present?
2. Preliminary results of data recovery and a definition of the size of the representative sample.
 - a. Were specialized studies performed? Please define types of artifacts to be collected and curated, including quantity of boxes to be submitted to the SDAC. How many personnel were required? How many Native American monitors were present?
3. What resources were discovered during monitoring?
4. What is the landform context and what is the integrity of the resources?
5. What additional studies are necessary?
6. Based on application of the California Register criteria, what is the significance of the resources?
 - a. If the resource is eligible for the California Register, can the resource be avoided by construction?
 - b. If not, what treatment (mitigation) measures are proposed? Please define data to be recovered (if necessary) and what material will be submitted to the SDAC for curation. Are any specialized studies proposed?

(After the first invoice, not all the above information needs to be re-stated, just revise as applicable).

APPENDIX P
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.
• 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:

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• 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

APPENDIX Q

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 402-2, "Protection", of the 2018 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:



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

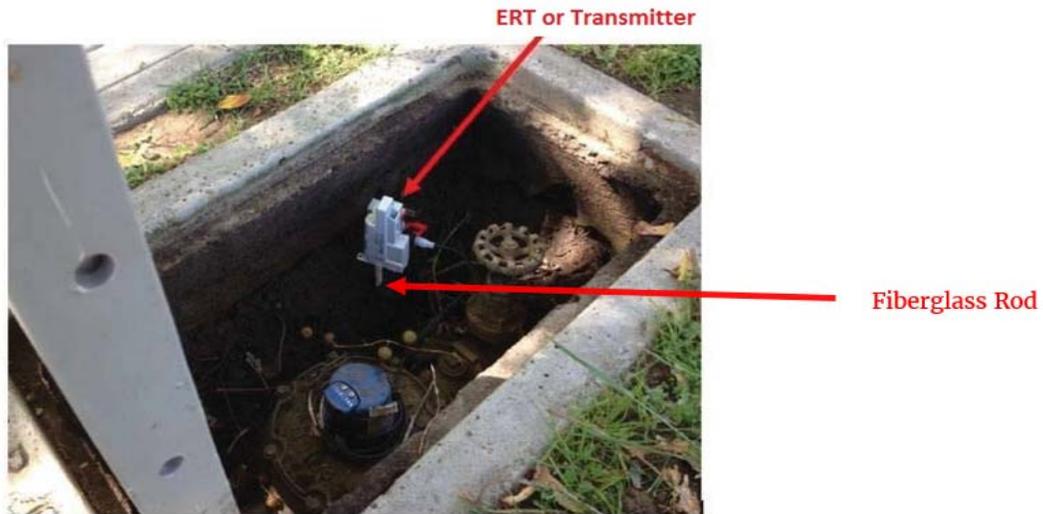


Photo 6 below is an example of disturbance that shall be avoided:

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.

ATTACHMENT F
RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This Phase-Funded 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 BA-1**; Bid No. **K-21-1996-DBB-3**; in the total amount **Two Million Five Hundred Ninety Three Thousand Fifty Two Dollars (\$2,593,052.00)**, which is comprised of the Base Bid consisting of an amount not to exceed **\$1,393,052.00** for Phase I and **\$1,200,000.00** for Phase II.

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

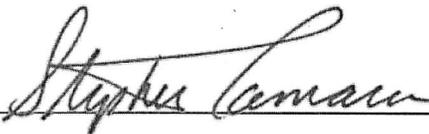
1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation BA-1**, on file in the office of the Engineering & Capital Projects Department as Document No. **B-20014**, 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 BA-1**, Bid Number **K-21-1996-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 (See WHITEBOOK, Section 7-3.10, Phased Funding Compensation).
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 and is approved by the City Attorney in accordance with San Diego Charter Section 40.

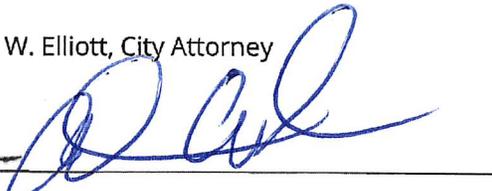
CONTRACT AGREEMENT (continued)

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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

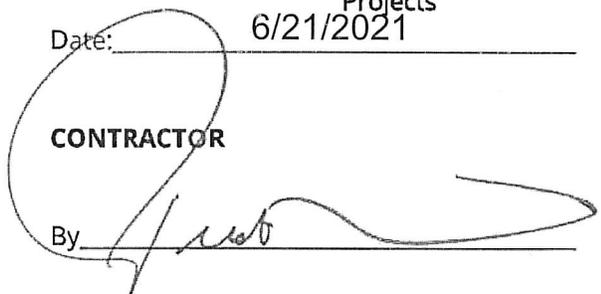
By 

Mara W. Elliott, City Attorney
By 

Print Name: Stephen Samara
Principal Contract Specialist
Engineering & Capital
Projects
Date: 6/21/2021

Print Name: 
Deputy City Attorney
Date: 6/21/21

CONTRACTOR

By 

Print Name: Justin Duchaineau

Title: President

Date: 5-26-21

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 BA-1

(Project Title)

as particularly described in said contract and identified as Bid No. **K-21-1996-DBB-3**; SAP No. (WBS) **B-20014**; 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 ^①	WHERE CERTIFIED ^②	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 ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| 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

FAILURE TO FULLY COMPLETE AND SUBMIT ANY OF THE FOLLOWING FORMS WILL DEEM YOUR BID NON-RESPONSIVE.

PLANETBIDS WILL NOT ALLOW FOR BID SUBMISSIONS WITHOUT THE ATTACHMENT OF THESE FORMS

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 FOR PRIME CONTRACTOR**
- E. **DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**
- F. **CONTRACTOR'S EXPERIENCE AND PAST PROJECT DOCUMENTATION. SEE SSP AND 2018 WB SECTION 500-2.1 "INITIAL SUBMITTALS", 1a)**
- G. **MANUFACTURERER AUTHORIZED INSTALLER CERTIFICATION. SEE SSP AND 2018 WB SECTION 500-2.1, "INITIAL SUBMITTALS", 1b)**

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 BA-1

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

SIGNED AND SEALED, this 4th day of March, 2021

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

By: [Signature]
(Signature)

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

Noemi Quiroz, Attorney-in-Fact



(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California)
County of Los Angeles)

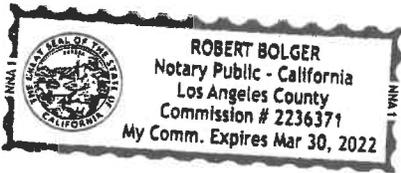
On 5-8-21 before me, Robert Bolger, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Justin Duchaineau
Name(s) of Signer(s)

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.



Signature R. Bolger
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

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 3-4-21, before me, Natalie K. Trofimoff, 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: Natalie K. Trofimoff
Natalie K. Trofimoff, 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 12th 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 12th 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 March, 2021.



By: Renee C. Llewellyn
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 and Trenchless Corp.

Certified By Justin Duchaineau Title President
Name

Justin Duchaineau Date 3-8-21
Signature

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
Southwest Pipeline and Trenchless Corp.			
Street Address	City	State	Zip
22118 Vermont Ave	Torrance	California	90502
Contact Person, Title		Phone	Fax
Justin Duchaineau-President		(310) 329-8717	(310) 329-0981

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction, the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City,
- or directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
Justin Duchaineau 50%	President
City and State of Residence	Employer (If different than Bidder/Proposer)
Los Angeles, California	
Interest in the transaction	
Preparing and submitting bid for purpose of contracting with the City of San Diego	

Name	Title/Position
Robert Bolger 50%	Secretary
City and State of Residence	Employer (If different than Bidder/Proposer)
Pasadena, California	
Interest in the transaction	
Preparing and submitting bid for purpose of contracting with the City of San Diego	

*** Use Additional Pages if Necessary ***

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Justin Duchaineau-President

Print Name, Title

Signature

3-8-21

Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

DEBARMENT AND SUSPENSION CERTIFICATION
PRIME CONTRACTOR
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

EFFECT OF DEBARMENT OR SUSPENSION
<p>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): <i>Bidders</i> and <i>contractors</i> who have been <i>debarred</i> or <i>suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract</i> awards, executing <i>contracts</i>, participating as a <i>subcontractor</i>, employee, agent or representative of another <i>person</i> contracting with the City.</p>

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
Koji Kuwada	Treasurer

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.

N/A

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 and Trenchless Corp.

Certified By: Justin Duchaineau Title President


 Name
 Signature

Date 3-8-21

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

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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
Adam Wilson- Easy Flow	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Craig Barry- Piperin	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Red tail Environmental Clint Linton	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
G Scott Asphalt - Dan Wemple	Owner

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By Justin Duchaineau Title President

Name

Signature

Date 2-8-21

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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
Zebron- Roger Decker	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

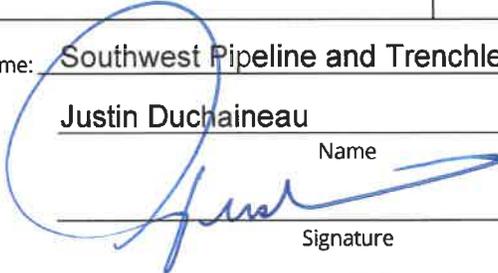
NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By Justin Duchaineau Title President

Name

 Signature

Date 2-8-21

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 CIPPIf 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 Elfring	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

Edward Manriquez

Summary of Qualifications 2001 - Present
Southwest Pipeline & Trenchless Corp.
Torrance, CA 90248 Cell: (310)261-0761

Lead Foreman Superintendent

- Over 17 years' experience in CIPP Direct Project installation supervision. Project Scheduling, Inspector and Engineer Relations, Field Employee Management, Pipe Rehabilitation, Mainline Inspection, Pipe Cleaning, CCTV Inspection, Bypass (Flow Diversion), CIPP Installation, Liner Wet-out, Onsite Wet-out, Traffic Control – National Liner (CIPP), U-Liner (HDPE), Lateral Lining, and Lateral Seal Connections (Top Hats).

Education and Special Skills

- Equipment Operation – CCTV Trucks (Cameras and Cutters), Vactors, Boilers, Pumps, etc.
- Bypass
- Confined Space Training
- Basic Medic First Aid – CPR Inclusive

Project Experience

- Supervised installation of over 500,000 feet in all HDPE, CIPP, Lateral Lining, and Lateral Seal Connection (Top Hat) projects completed by Southwest Pipeline & Trenchless Corp. and its divisions, U-liner West and National Liner West.

Sewer & Storm Rehabilitation Projects (CIPP, SPR EX & Top Hats)

City of San Diego

- Pipeline Rehabilitation Phase F-1 – 104,604 LF of 6” – 21”
- Pipeline Rehabilitation Phase H-1 – 34,770 LF of 6” – 15”
- Sewer Pipeline Rehabilitation Phase J-1 – 47,668 LF of 8” – 10”
- Sewer Pipeline Rehabilitation Phase J-1A – 38,507 LF of 6” – 10”
- Sewer Pipeline Rehabilitation Phase J-1B – 27,092 LF of 8”
- Sewer Pipeline Rehabilitation Phase J-1C- 35,196LF of 8”

City of Los Angeles

- SSRP A02A Venice Blvd. & Genesee – 7,538 LF of 8” & 10”
- SSRP A02B Coliseum St. & La Brea Ave. – 15,943 LF of 8” & 10”
- SSRP Mandeville Canyon Rd. & Wedstridge Rd. – 12,535 LF of 8” & 10”
- N.E. Wilshire CSRP Unit 3 – 2,499 LF of 8”
- SSRP P13 Range View & Ave. 55 – 1,972 LF of 8”
- SSRP U19B Prosser Ave. – 11,043 LF of 8” – 15”
- SSRP U15 Camden Ave. – 3,777 LF of 8” – 15”

Edward Manriquez Cont'd

City of Anaheim

- Citywide Sanitary Sewer System Repair - 9,647 LF of 8" – 24"
- Citywide Sanitary Sewer System Repair Phase II Group 2 – 15,421 LF of 8"-18"

Los Angeles County Sanitation District

- District 5 Main Trunk Sewer Rehabilitation – 7,035 LF of 15"
- JO "H" Unit 1F Sewer Rehabilitation – 451 LF of 36"
- J01A Long Beach Sewer Rehabilitation – 62 LF of 24"

Los Angeles County Department of Public Works

- CMP Lining CDR Phase 1A - 6,000 LF of 15" – 66"
- CMP Lining CDR Phase 2A – 1,170 LF of 15" – 36"
- Eaton Wash Spreading Ground Improvements – 1,779 LF of 21" – 36"

City of La Habra

- Lining Existing Mains Project No. 1-S-09 – 21,733 LF of 6" – 15"

City of Redwood City

- 2010-2011 Sewer Rehabilitation Project – 5,011 LF of 6"

Orange County Sanitation District

- Bayside Drive Improvements 5-61 – 3,488 LF of 24"

City of West Hollywood

- Sewer Repair and Rehabilitation – Eastside CIP – 24,759 LF of 8"-12"

Fluency in English: Yes



Eric Huang

Summary of Qualifications 2001 - Present
Southwest Pipeline & Trenchless Corp.
Torrance , CA 90502 Cell: (310)261-0761

Lead Foreman Superintendent

- Project Scheduling, Inspector and Engineer Relations, Field Employee Management, Pipe Rehabilitation, Mainline Inspection, Pipe Cleaning, CCTV Inspection, Bypass (Flow Diversion), CIPP Installation, Liner Wet-out, Onsite Wet-out, Traffic Control – National Liner (CIPP), U-Liner (HDPE), Lateral Lining, and Lateral Seal Connections (Top Hats).

Education and Special Skills

- Equipment Operation – CCTV Trucks (Cameras and Cutters), Vactors, Boilers, Pumps, etc. Top Hat Installation
- Bypass
- Confined Space Training
- Basic Medic First Aid – CPR Inclusive

Project Experience

- Supervised installation of over 200,000 feet in all HDPE, CIPP, Lateral Lining, and Lateral Seal Connection (Top Hat) projects completed by Southwest Pipeline & Trenchless Corp. and its divisions, U-liner West and National Liner West.

Sewer & Storm Rehabilitation Projects (CIPP, SPR EX & Top Hats)

City of San Diego

- Pipeline Rehabilitation Phase F-1 – 104,604 LF of 6” – 21” 2,554 Top Hats, Over 1,000 Personally installed
- Pipeline Rehabilitation Phase H-1 – 34,770 LF of 6” – 15” 1,121 Top Hats, Over 500 Personally Installed
- Sewer Pipeline Rehabilitation Phase J-1 – 47,668 LF of 8” – 10” 800 Top Hats, Over 500 personally Installed
- Sewer Pipeline Rehabilitation Phase J-1A – 38,507 LF of 6” – 10” 818 Top Hats, Over 300 Personally Installed
- Sewer Pipeline Rehabilitation Phase J-1B – 27,092 LF of 8” 661 Top Hats, Over 200 Personally Installed

City of West Hollywood

- Sewer Repair and Rehabilitation – Eastside CIP – 24,759 LF of 8”-12” 884 Top Hats. Over 400 Personally Installed

Fluency in English: Yes

SPR™ EX

System Operators Certification

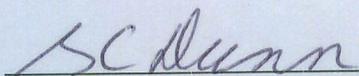
This certificate verifies that

John Cole

has attended the following course of instruction.

Title of Course: SPR™ EX System Operators Training
Date of Attendance: Between 19/01/2010 – 01/02/2010
Aim of Course: To train students in the operation of the SPR™ EX System as per documented procedures.
Level achieved: Level - 4

Trainer : Stephen Dunn

Signed : A handwritten signature in black ink, appearing to read "S. Dunn", written over a horizontal line.

Certificate Number: SPR™ EX-046

SPR™ EX

System Operators Certification

This certificate verifies that

Jose Guadalupe Garcia

has attended the following course of instruction.

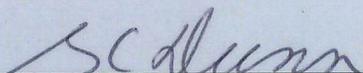
Title of Course: SPR™ EX System Operators Training

Date of Attendance: Between 19/01/2010 – 01/02/2010

Aim of Course: To train students in the operation of the SPR™ EX System as per documented procedures.

Level achieved: Level - 3B

Trainer : Stephen Dunn

Signed : _____

Certificate Number: SPR™EX-047



Statement of Experience

John Cole

Summary of Qualifications 2000 - Present
Southwest Pipeline & Trenchless Corp.
Gardena, CA 90248 Cell: (310)261-0761

Lead Foreman- Superintendent-Spiral Wound Liner

Education and Special Skills

- Equipment Operation – Spiral Wound System, CCTV Trucks (Cameras and Cutters), Vactors, Boilers, Pumps, etc.
- Confined Space Training
- Basic Medic First Aid – CPR Inclusive

Sewer & Storm Rehabilitation Projects (CIPP, SPR EX & Top Hats)

City of San Diego

- Pipeline Rehabilitation Phase F-1 – 104,604 LF of 6” – 21”
- Pipeline Rehabilitation Phase H-1 – 34,770 LF of 6” – 15”
- Sewer Pipeline Rehabilitation Phase J-1 – 47,668 LF of 8” – 10”
- Sewer Pipeline Rehabilitation Phase J-1A – 38,507 LF of 6” – 10”
- Sewer Pipeline Rehabilitation Phase J-1B – 27,092 LF of 8”
- Sewer Pipeline Rehabilitation Phase J-1C- 35,196LF of 8”

City of Los Angeles

- SSRP A02A Venice Blvd. & Genesee – 7,538 LF of 8” & 10”
- SSRP A02B Coliseum St. & La Brea Ave. – 15,943 LF of 8” & 10”
- SSRP Mandeville Canyon Rd. & Wedstridge Rd. – 12,535 LF of 8” & 10”
- N.E. Wilshire CSRP Unit 3 – 2,499 LF of 8”
- SSRP P13 Range View & Ave. 55 – 1,972 LF of 8”
- SSRP U19B Prosser Ave. – 11,043 LF of 8” – 15”
- SSRP U15 Camden Ave. – 3,777 LF of 8” – 15”

City of Anaheim

- Citywide Sanitary Sewer System Repair - 9,647 LF of 8” – 24”
- Citywide Sanitary Sewer System Repair Phase II Group 2 – 15,421 LF of 8”-18”

Los Angeles County Sanitation District

- District 5 Main Trunk Sewer Rehabilitation – 7,035 LF of 15”
- JO “H” Unit 1F Sewer Rehabilitation – 451 LF of 36”
- J01A Long Beach Sewer Rehabilitation – 62 LF of 24”

Los Angeles County Department of Public Works

John Cole Cont'd

- CMP Lining CDR Phase 1A - 6,000 LF of 15" – 66"

- CMP Lining CDR Phase 2A – 1,170 LF of 15" – 36"
- Eaton Wash Spreading Ground Improvements – 1,779 LF of 21" – 36"

City of La Habra

- Lining Existing Mains Project No. 1-S-09 – 21,733 LF of 6" – 15"

City of Redwood City

- 2010-2011 Sewer Rehabilitation Project – 5,011 LF of 6"

Orange County Sanitation District

- Bayside Drive Improvements 5-61 – 3,488 LF of 24"

City of West Hollywood

- Sewer Repair and Rehabilitation – Eastside CIP – 24,759 LF of 8"-12"

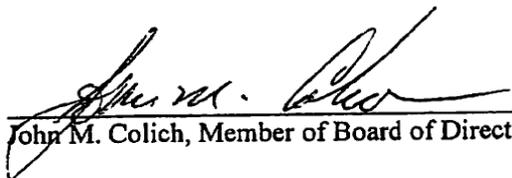


BOARD OF DIRECTORS RESOLUTION
SOUTHWEST PIPELINE AND TRENCHLESS, CORP.
January 5, 2012

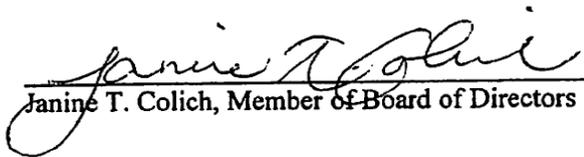
The undersigned being all of the members of the Board of Directors of Southwest Pipeline and Trenchless Corp., a California Corporation, certify that the Bylaws of the corporation authorize the directors to act by unanimous consent. Pursuant to Section 307 (b) of the California General Corporation Law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

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

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



John M. Colich, Member of Board of Directors



Janine T. Colich, Member of Board of Directors

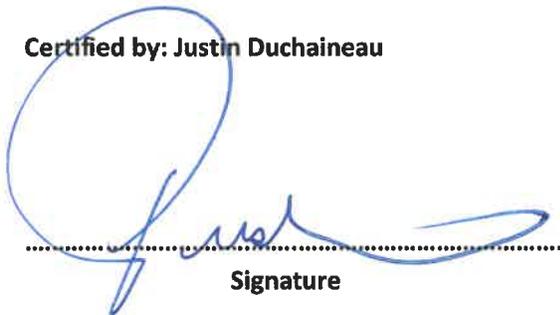


22118 S. Vermont Avenue
Torrance, CA 90502
Contractor License 773862-A
DIR # 1000002176

Employees Assigned

Project Name: Pipeline Rehabilitation BA-1
Bid Number: K-21-1996-DBB-3
Company: Southwest Pipeline & Trenchless Corp.
Address: 22118 S. Vermont Ave.
City, State Zip: Torrance CA 90502
Lining Crew Lead: John Cole
Laborer: Victor Lomeli
Laborer: Nati Rivera
Laborer: Rafael Correa
Laborer: Jose Guadalupe Garcia

Certified by: Justin Duchaineau



.....
Signature

3-8-21
.....
Date



Southwest Pipeline and Trenchless
539 W. 140th 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.

SUBCONTRACTOR LISTING

(OTHER THAN FIRST TIER)

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 is to list below the name, address, license number, DIR registration number of any (known tiered subcontractor) - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract. If none are known at this time, mark the table below with non-applicable (N/A).**

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: <u>N/A</u> Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: <u>N/A</u> Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: <u>N/A</u> Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: <u>N/A</u> Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				

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

Bid Results

Bidder Details

Vendor Name Southwest Pipeline and Trenchless Corp.
 Address 22118 S. Vermont Avenue
 Torrance, California 90502
 United States
 Respondee Southwest Pipeline and Trenchless Corp
 Respondee Title Estimator
 Phone 310-329-8717
 Email RBOLGER@SWPIPELINE.COM
 Vendor Type CADIR, PQUAL
 License # 773862
 CADIR 1000002176

Bid Detail

Bid Format Electronic
 Submitted 03/09/2021 1:35 PM (PST)
 Delivery Method
 Bid Responsive
 Bid Status Submitted
 Confirmation # 245364
 Ranking 0

Respondee Comment

Buyer Comment

Bond

eBond Contract ID

Attachments

File Title	File Name	File Type
Disclosure of Business Interest.pdf	Disclosure of Business Interest.pdf	General Attachments
Authorized Installer Certificates.pdf	Authorized Installer Certificates.pdf	General Attachments
Contractor's Experience.pdf	Contractor's Experience.pdf	General Attachments
Executed Bid Bond - BA-1.pdf	Executed Bid Bond - BA-1.pdf	Bid Bond
Debarment and Suspension Sub USE.pdf	Debarment and Suspension Sub USE.pdf	General Attachments
Contractors Cert of Pending Actions.pdf	Contractors Cert of Pending Actions.pdf	General Attachments
Debarment and Suspension PRIME.pdf	Debarment and Suspension PRIME.pdf	General Attachments

Subcontractors

Showing 5 of undefined Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
Easy Flow 14275 Crystal View Lane Poway, California 92064	Constructor- Lateral Rehab, CCTV, Cleaning	960845	1000010925	\$720,200.00	CADIR, CAU, MALE, SLBE
G SCOTT ASPHALT, INC 358 TROUSDALE DRIVE CHULA VISTA, California 91910	Constructor- RPMS Type 2 and Type 1	751836	1000004252	\$18,600.00	
Piperin Corporation 510 Venture Street Escondido, California 92029	Constructor- Mainline Open Cut	964028	1000000485	\$399,750.00	PQUAL, CADIR
Red Tail Environmental 328 State Place Escondido, California 92029	Archaeological and Native American Monitoring	NA	1000031633	\$24,375.00	
Zebron P.O. Box 2874 Newport Beach, California 92659	Constructor- MH Rehab	855170	1000004993	\$53,625.00	

Line Items

Item #	Item Code	Section	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
1	524126	Main Bid		Bonds (Payment and Performance)	LS	1	\$20,000.00	\$20,000.00	Yes	
2	237110	Main Bid		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$5,000.00	\$5,000.00	Yes	
3	541690	Main Bid		Archaeological and Native American Monitoring Program	LF	5000	\$5.00	\$25,000.00	Yes	
4	541690	Main Bid		Suspension of Work - Resources	DAY	20	\$10.00	\$200.00	Yes	
5	541690	Main Bid		Archaeological and Native American Mitigation and Curation (EOC Type I)	AL	1	\$25,000.00	\$25,000.00	Yes	
6	237110	Main Bid		Mobilization	LS	1	\$32,000.00	\$32,000.00	Yes	
7		Main Bid		Field Orders (EOC Type II)	AL	1	\$168,205.00	\$168,205.00	Yes	
8	238910	Main Bid		Clearing and Grubbing	LS	1	\$15,000.00	\$15,000.00	Yes	
9	237310	Main Bid		Asphalt Pavement Repair	TON	20	\$500.00	\$10,000.00	Yes	
10	237310	Main Bid		Class 2 Aggregate Base	TON	1170	\$20.00	\$23,400.00	Yes	
11	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type I	SF	3200	\$2.50	\$8,000.00	Yes	
12	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type II	SF	3200	\$2.50	\$8,000.00	Yes	
13	237310	Main Bid		Temporary Resurfacing	TON	13	\$150.00	\$1,950.00	Yes	
14	237110	Main Bid		Imported Trench Backfill	TON	116	\$25.00	\$2,900.00	Yes	
15	237110	Main Bid		Manhole (4 ft x 3 ft)	EA	9	\$12,500.00	\$112,500.00	Yes	
16	237110	Main Bid		Sewer Main Cleanout	EA	30	\$5,000.00	\$150,000.00	Yes	
17	237110	Main Bid		Cleaning and Video Inspection of Existing Pipelines and Culverts	LF	28088	\$1.00	\$28,088.00	Yes	
18	237110	Main Bid		Cleaning and Video Inspection of Existing Laterals	LF	14242	\$0.10	\$1,424.20	Yes	
19	237110	Main Bid		Video Inspection of Pipelines and Culverts for Acceptance	LF	28088	\$0.60	\$16,852.80	Yes	
20	238990	Main Bid		Video Recording of Existing Conditions	LS	1	\$1,500.00	\$1,500.00	Yes	
21	237110	Main Bid		Point Repair for Existing Sewer Main (8-Inch)	EA	16	\$4,000.00	\$64,000.00	Yes	
22	237110	Main Bid		Additional Point Repair for Existing Sewer Main (8-Inch)	LF	50	\$100.00	\$5,000.00	Yes	
23	237110	Main Bid		Rehabilitate Sewer Main (8-Inch)	LF	27616	\$20.75	\$573,032.00	Yes	
24	237110	Main Bid		Rehabilitate Sewer Main (10-Inch)	LF	456	\$25.00	\$11,400.00	Yes	
25	237110	Main Bid		Rehabilitate Sewer Main (12-Inch)	LF	16	\$100.00	\$1,600.00	Yes	
26	237110	Main Bid		Service Lateral Connection	EA	633	\$700.00	\$443,100.00	Yes	
27	237110	Main Bid		Rehabilitate Existing Manhole	EA	33	\$1,625.00	\$53,625.00	Yes	
28	237110	Main Bid		Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (4-Inch)	EA	185	\$1,755.00	\$324,675.00	Yes	
29	237110	Main Bid		Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (4-Inch)	EA	443	\$1,000.00	\$443,000.00	Yes	
30	237110	Main Bid		Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (6-Inch)	EA	4	\$1,500.00	\$6,000.00	Yes	
31	237110	Main Bid		Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (8-Inch)	EA	1	\$2,000.00	\$2,000.00	Yes	
32	237110	Main Bid		MTS Right of Entry Permit (EOC Type I)	AL	1	\$5,000.00	\$5,000.00	Yes	
33	541330	Main Bid		Traffic Control and Engineered Traffic Control Plans	LS	1	\$4,000.00	\$4,000.00	Yes	
34	541330	Main Bid		WPCP Development	LS	1	\$600.00	\$600.00	Yes	
35	237310	Main Bid		WPCP Implementation	LS	1	\$1,000.00	\$1,000.00	Yes	

Line Item Subtotals

Section Title	Line Total
Main Bid	\$2,593,052.00
Grand Total	\$2,593,052.00

Line Totals (Unit Price * Quantity)								
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	\$20,000.00	\$20,000.00
2	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	3-12.5.4	LS	1	\$5,000.00	\$5,000.00
3	Main Bid	541690	Archaeological and Native American Monitoring Program	6-6.2.1.1	LF	5000	\$5.00	\$25,000.00
4	Main Bid	541690	Suspension of Work - Resources	6-6.2.1.1 OR 6-6.2.2.1	DAY	20	\$10.00	\$200.00
5	Main Bid	541690	Archaeological and Native American Mitigation and Curation (EOC Type I)	6-6.2.3.1	AL	1	\$25,000.00	\$25,000.00
6	Main Bid	237110	Mobilization	7-3.4.1	LS	1	\$32,000.00	\$32,000.00
7	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$168,205.00	\$168,205.00

8	Main Bid	238910	Clearing and Grubbing	300-1.4	LS	1	\$15,000.00	\$15,000.00
9	Main Bid	237310	Asphalt Pavement Repair	301-1.7	TON	20	\$500.00	\$10,000.00
10	Main Bid	237310	Class 2 Aggregate Base	301-2.4	TON	1170	\$20.00	\$23,400.00
11	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	3200	\$2.50	\$8,000.00
12	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	3200	\$2.50	\$8,000.00
13	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	13	\$150.00	\$1,950.00
14	Main Bid	237110	Imported Trench Backfill	306-15.11	TON	116	\$25.00	\$2,900.00
15	Main Bid	237110	Manhole (4 ft x 3 ft)	306-16.6	EA	9	\$12,500.00	\$112,500.00
16	Main Bid	237110	Sewer Main Cleanout	306-17.2	EA	30	\$5,000.00	\$150,000.00
17	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	28088	\$1.00	\$28,088.00

18	Main Bid	237110	Cleaning and Video Inspection of Existing Laterals	306-18.7	LF	14242	\$0.10	\$1,424.20
19	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	28088	\$0.60	\$16,852.80
20	Main Bid	238990	Video Recording of Existing Conditions	400-1.1.1	LS	1	\$1,500.00	\$1,500.00
21	Main Bid	237110	Point Repair for Existing Sewer Main (8-Inch)	500-4.7	EA	16	\$4,000.00	\$64,000.00
22	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8-Inch)	500-4.7	LF	50	\$100.00	\$5,000.00
23	Main Bid	237110	Rehabilitate Sewer Main (8-Inch)	500-12	LF	27616	\$20.75	\$573,032.00
24	Main Bid	237110	Rehabilitate Sewer Main (10-Inch)	500-12	LF	456	\$25.00	\$11,400.00
25	Main Bid	237110	Rehabilitate Sewer Main (12-Inch)	500-12	LF	16	\$100.00	\$1,600.00

26	Main Bid	237110	Service Lateral Connection	501-9	EA	633	\$700.00	\$443,100.00
27	Main Bid	237110	Rehabilitate Existing Manhole	502-8	EA	33	\$1,625.00	\$53,625.00
28	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (4-Inch)	503-6	EA	185	\$1,755.00	\$324,675.00
29	Main Bid	237110	Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (4-Inch)	503-6	EA	443	\$1,000.00	\$443,000.00
30	Main Bid	237110	Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (6-Inch)	503-6	EA	4	\$1,500.00	\$6,000.00

31	Main Bid	237110	Service Lateral Rehabilitation with Cleanout Greater Than 7 ft in Depth (8-Inch)	503-6	EA	1	\$2,000.00	\$2,000.00
32	Main Bid	237110	MTS Right of Entry Permit (EOC Type I)	600-5	AL	1	\$5,000.00	\$5,000.00
33	Main Bid	541330	Traffic Control and Engineered Traffic Control Plans	601-7	LS	1	\$4,000.00	\$4,000.00
34	Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$600.00	\$600.00
35	Main Bid	237310	WPCP Implementation	1001-4.2	LS	1	\$1,000.00	\$1,000.00
							Subtotal	\$2,593,052.00
							Total	\$2,593,052.00