

# City of San Diego

**CONTRACTOR'S NAME:** Burtech Pipeline Incorporated  
**ADDRESS:** 102 Second Street, Encinitas, CA 92024  
**TELEPHONE NO.:** 760-634-2822 **FAX NO.:** \_\_\_\_\_  
**CITY CONTACT:** Rosa I. Riego, Senior Contract Specialist, Email: [RRiego@sandiego.gov](mailto:RRiego@sandiego.gov)  
Phone No. (619) 533-3426  
J. Gallardo / M. Jirjis Nakasha / K. Stewart

## BIDDING DOCUMENTS



**FOR**

## AC WATER & SEWER GROUP 1050

**BID NO.:** K-22-2088-DBB-3  
**SAP NO. (WBS/IO/CC):** B-18090, B-18094  
**CLIENT DEPARTMENT:** 2000  
**COUNCIL DISTRICT:** 7  
**PROJECT TYPE:** KB, 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**

**APRIL 19, 2022**

**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 City Engineer:

Sheila Bose  
1) For City Engineer

3/2/22  
Date

Seal:



Brian Genovese  
2) For City Engineer

3-2-2022  
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.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
6.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
8.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Contractor's Experience and Past Project Documentation. See 2021 WB Section 500-2.1, "Initial Submittals". Item 1, a.	At Time of Bid	ALL BIDDERS
11.	Manufacturer Authorized Installer Certification. See 2021 WB Section 500-2.1, "Initial Submittals". Item 1, b.	At Time of Bid	ALL BIDDERS

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
12.	Phased Funding Schedule Agreement (when required)	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	AWARDED BIDDER
13.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> <li>• Joint Venture Agreement</li> <li>• Joint Venture License</li> </ul>	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER
14.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER
15.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	AWARDED BIDDER
16.	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 **AC Water & Sewer Group 1050**. 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 **\$13,900,000**.
4. **BID DUE DATE AND TIME ARE: APRIL 19, 2022 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 and C42]**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
  - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	<b>8.7%</b>
2. ELBE participation	<b>13.6%</b>
3. Total mandatory participation	<b>22.3%</b>
  - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
    - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
    - 7.2.2. Submit Good Faith Effort (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 plus all the Alternates.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base Bid alone; or for the Base Bid plus one or more alternates.

**9. SUBMISSION OF QUESTIONS:**

- 9.1.** The Director (or Designee) of the Purchasing & Contracting 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:  
  
[RRiego@sandiego.gov](mailto:RRiego@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.

**11. ADDITIVE/DEDUCTIVE ALTERNATES:**

- 11.1.** The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.
- 11.2.** For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

## 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 on line. City staff may then begin reviewing the submissions for responsiveness, EOCB 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 Purchasing & Contracting Department, Public Works Division Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

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

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

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

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

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

**4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City

shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

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

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

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

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

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

**7. INSURANCE REQUIREMENTS:**

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

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

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

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”) <a href="http://www.greenbookspecs.org/">http://www.greenbookspecs.org/</a>	2021	ECPI010122-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)* <a href="https://www.sandiego.gov/ecp/edocref/greenbook">https://www.sandiego.gov/ecp/edocref/greenbook</a>	2021	ECPI010122-02
City of San Diego Standard Drawings* <a href="https://www.sandiego.gov/ecp/edocref/standarddraw">https://www.sandiego.gov/ecp/edocref/standarddraw</a>	2021	ECPI010122-03
Citywide Computer Aided Design and Drafting (CADD) Standards <a href="https://www.sandiego.gov/ecp/edocref/drawings">https://www.sandiego.gov/ecp/edocref/drawings</a>	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications <a href="https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications">https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications</a>	2018	PWPI030119-05

Title	Edition	Document Number
CALTRANS Standard Plans <a href="https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications">https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications</a>	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 6 (CA MUTCD Rev 6) <a href="https://dot.ca.gov/programs/safety-programs/camutcd/camutcd-files">https://dot.ca.gov/programs/safety-programs/camutcd/camutcd-files</a>	2014	PWPI060121-10
<p><b>NOTE:</b> *Available online under Engineering Documents and References at: <a href="https://www.sandiego.gov/ecp/edocref/">https://www.sandiego.gov/ecp/edocref/</a></p> <p>*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 Purchasing & Contracting Department, Public Works 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:  
Purchasing & Contracting Department, Public Works Division  
1200 3rd Ave., Suite 200, MS56  
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

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

Burtech Pipeline Incorporated, a corporation, as principal, and NATIONWIDE 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 **Twelve Million Five Hundred Twenty Six Thousand Two Hundred Seventy Eight Dollars and Fifty Four Cents (\$12,526,278.54)** for the faithful performance of the annexed contract, and in the sum of **Twelve Million Five Hundred Twenty Six Thousand Two Hundred Seventy Eight Dollars and Fifty Four Cents (\$12,526,278.54)** for the benefit of laborers and materialmen designated below.

#### Conditions:

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

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

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

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

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.

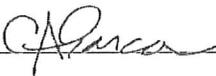
The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

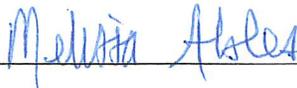
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By: 

By: 

Print Name: Claudia C. Abarca  
Director  
Purchasing and Contracting Department

Print Name: Melissa Ables  
Deputy City Attorney

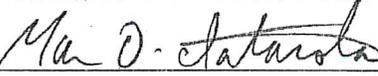
Date: June 1, 2022

Date: 6/21/2022

CONTRACTOR  
BURTECH PIPELINE, INCORPORATED

SURETY  
NATIONWIDE MUTUAL INSURANCE COMPANY

By: 

By:   
Attorney-In-Fact

Print Name: DOMINIC J. BURTECH, JR., PRESIDENT

Print Name: MARK D. IATAROLA, ATTORNEY-IN-FACT

Date: APRIL 29, 2022

Date: APRIL 29, 2022

500 NORTH BRAND BOULEVARD, SUITE 2000  
GLENDALE, CA 91203

Local Address of Surety

715/530-3481

Local Phone Number of Surety

\$63,450.00  
PREMIUM IS FOR CONTRACT TERM  
AND IS SUBJECT TO ADJUSTMENT  
BASED ON FINAL CONTRACT PRICE

Premium

7901023409

Bond Number

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

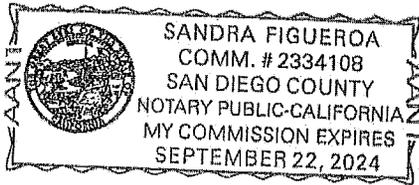
CIVIL CODE § 1189

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 SAN DIEGO

On 4/29/2022 before me, SANDRA FIGUEROA, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*  
personally appeared MARK D. IATAROLA  
*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.



Place Notary Seal and/or Stamp Above

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*

**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: MARK D. IATAROLA

Signer's Name: \_\_\_\_\_

Corporate Officer -- Title(s): \_\_\_\_\_

Corporate Officer -- Title(s): \_\_\_\_\_

Partner --  Limited  General

Partner --  Limited  General

Individual  Attorney In Fact

Individual  Attorney In Fact

Trustee  Guardian of Conservator

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

**Power of Attorney**

KNOW ALL MEN BY THESE PRESENTS THAT:

Nationwide Mutual Insurance Company, an Ohio corporation

hereinafter referred to severally as the "Company" and collectively as "the Companies" does hereby make, constitute and appoint:  
HELEN MALONEY; JOHN MALONEY; MARK D IATAROLA; SANDRA FIGUEROA; TRACY L RODRIGUEZ;

each in their individual capacity, its true and lawful attorney-in-fact, with full power and authority to sign, seal, and execute on its behalf any and all bonds and undertakings, and other obligatory instruments of similar nature, in penalties not exceeding the sum of

**UNLIMITED**

and to bind the Company thereby, as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Company; and all acts of said Attorney pursuant to the authority given are hereby ratified and confirmed.

This power of attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the board of directors of the Company:

"RESOLVED, that the president, or any vice president be, and each hereby is, authorized and empowered to appoint attorneys-in-fact of the Company, and to authorize them to execute and deliver on behalf of the Company any and all bonds, forms, applications, memorandums, undertakings, recognizances, transfers, contracts of indemnity, policies, contracts guaranteeing the fidelity of persons holding positions of public or private trust, and other writings obligatory in nature that the business of the Company may require; and to modify or revoke, with or without cause, any such appointment or authority; provided, however, that the authority granted hereby shall in no way limit the authority of other duly authorized agents to sign and countersign any of said documents on behalf of the Company."

"RESOLVED FURTHER, that such attorneys-in-fact shall have full power and authority to execute and deliver any and all such documents and to bind the Company subject to the terms and limitations of the power of attorney issued to them, and to affix the seal of the Company thereto; provided, however, that said seal shall not be necessary for the validity of any such documents."

This power of attorney is signed and sealed under and by the following bylaws duly adopted by the board of directors of the Company.

Execution of Instruments. Any vice president, any assistant secretary or any assistant treasurer shall have the power and authority to sign or attest all approved documents, instruments, contracts, or other papers in connection with the operation of the business of the company in addition to the chairman of the board, the chief executive officer, president, treasurer or secretary; provided, however, the signature of any of them may be printed, engraved, or stamped on any approved document, contract, instrument, or other papers of the Company.

IN WITNESS WHEREOF, the Company has caused this instrument to be sealed and duly attested by the signature of its officer the 20th day of August, 2021.

Antonio C. Albanese, Vice President of Nationwide Mutual Insurance Company

**ACKNOWLEDGMENT**

STATE OF NEW YORK COUNTY OF NEW YORK: ss

On this 20th day of August, 2021, before me came the above-named officer for the Company aforesaid, to me personally known to be the officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, deposes and says, that he is the officer of the Company aforesaid, that the seal affixed hereto is the corporate seal of said Company, and the said corporate seal and his signature were duly affixed and subscribed to said instrument by the authority and direction of said Company.



Stephanie Rubino McArthur  
Notary Public, State of New York  
No. 02MC8270117  
Qualified in New York County  
Commission Expires October 19, 2024

Notary Public  
My Commission Expires  
October 19, 2024

**CERTIFICATE**

I, Laura B. Guy, Assistant Secretary of the Company, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney issued by the Company; that the resolution included therein is a true and correct transcript from the minutes of the meetings of the boards of directors and the same has not been revoked or amended in any manner; that said Antonio C. Albanese was on the date of the execution of the foregoing power of attorney the duly elected officer of the Company, and the corporate seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority of said board of directors; and the foregoing power of attorney is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of said Company this 29TH day of

APRIL, 2022

Assistant Secretary

## ATTACHMENTS

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

## SCOPE OF WORK

1. **SCOPE OF WORK:** Construction of AC Sewer and Water Group 1050 consists of the replacement of 16,729 Linear Feet of existing 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 16-inch and 20-inch water mains, including all associated water services, fire hydrants, valves, water meters and other appurtenances. Construction also consists of the replacement of 3,083 linear feet of existing 8-inch sewer and the rehabilitation of 7,024 linear feet of existing 8-inch sewer mains, including associated laterals, manholes, cleanouts and other appurtenances. Curb ramps, resurfacing and all other work and appurtenances.
  - 1.1. The Work shall be performed in accordance with:
    - 1.1.1. The Notice Inviting Bids and Plans numbered **41499-01-D** through **41499-63-D** and **41499-T1-D** through **41499-T32-D**, inclusive.
    - 1.1.2. Alternate items per Plans numbered **42167-1-D** through **42167-2-D**, inclusive
    - 1.1.3. Alternate items per Plans numbered **42168-1-D** through **42168-6-D**, inclusive
    - 1.1.4. Alternate items per Plans numbered **42166-1-D** through **42166-2-D**, inclusive
2. **LOCATION OF WORK:** The location of the Work is as follows:  
**Appendix E – Location Map.**
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **585 Working Days**.

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

## PHASED FUNDING PROVISIONS

### 1. PRE-AWARD

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

### 2. POST-AWARD

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

## PHASED FUNDING SCHEDULE AGREEMENT

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

**BID NUMBER: K-22-2088-DBB-3**

**CONTRACT OR TASK TITLE: AC Water & Sewer Group 1050**

**CONTRACTOR: Burtech Pipeline, Inc.**

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to- Exceed Amount
1	<p>Replacement of 3,083 linear feet (ft) of existing 8-inch sewer and the rehabilitation of 7,024 linear feet (ft) of existing 8-inch sewer mains, including associated laterals, manholes, cleanouts and other appurtenances. (Sheets 41499-04-D through 41499-18-D)</p> <p>Replacement of 16,729 Linear Feet of existing 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 16-inch and 20-inch water mains, including all associated water services, fire hydrants, valves, water meters and other appurtenances. (Sheets 41499-19-D thru 41499-24-D, 41499-28-D)</p>	NTP	05/31/2023	<p style="text-align: right;"><b>\$2,857,856.99</b> (B-18094, Sewer)</p> <p style="text-align: right;"><b>\$2,968,000.00</b> (B-18090, Water)</p> <p style="text-align: right;"><u>Phase 1 Total =</u> <b>\$5,825,856.99</b></p>
2	<p>Replacement of 16,729 Linear Feet of existing 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 16-inch and 20-inch water mains, including all associated water services, fire hydrants, valves, water meters and other appurtenances. (Sheets 41499-24-D thru 41499-27-D, 41499-29-D thru 41499-38-D)</p>	06/01/2023	05/31/2024	<p style="text-align: right;"><b>\$3,668,000.00</b> (B-18090, Water)</p> <p style="text-align: right;"><u>Phase 2 Total =</u> <b>\$3,668,000.00</b></p>
3	<p>Replacement of 16,729 Linear Feet of existing 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, 16-inch and 20-inch water mains, including all associated water services, fire hydrants, valves, water meters and other appurtenances. (Sheets 41499-39-D thru 41499-63-D)</p> <p>Installation of Striping Improvements (Sheets 42167-1-D thru 42167-2-D) (Sheets 42168-1-D thru 42168-6-D) (Sheets 42166-1-D thru 42166-2-D)</p>	06/01/2024	NOC	<p style="text-align: right;"><b>\$2,993,203.49</b> (B-18090, Water)</p> <p style="text-align: right;"><b>\$39,218.06</b> (IO# 21004804)</p> <p style="text-align: right;"><u>Phase 3 Total =</u> <b>\$3,032,421.55</b></p>
<b>Contract Total</b>				<p style="text-align: right;">Ph 1 = <b>\$5,825,856.99</b> Ph 2 = <b>\$3,668,000.00</b> Ph 3 = <b>\$3,032,421.55</b> Total = <b>\$12,526,278.54</b></p>

**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: Yoftahe Ghiliamichael  
**Construction Senior Engineer**

Signature: 

Date: 5/5/2022

PRINT NAME: Sheila Bose  
**Design Senior Engineer**

Signature: 

Date: 5/5/22

**CONTRACTOR**

PRINT NAME: DOMINIC J. BURTECH  
**Burtech Pipeline Incorporated**

Title: PRESIDENT & CEO

Signature: 

Date: 04/28/2022

**ATTACHMENT C**  
**EQUAL OPPORTUNITY CONTRACTING PROGRAM**

## EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

### SECTION A - GENERAL REQUIREMENTS

#### A. INTRODUCTION.

1. This document sets forth the following specifications:
  - a) The City's general EOCP requirements for all Construction Contracts.
  - b) Special Provisions for Contracts subject to SLBE and ELBE requirements only.
2. Additional requirements may apply for state or federally funded projects.
3. These requirements shall be included as Contract provisions for all Subcontracts.
4. The City specified forms, instructions, and guides are available for download from the EOCP's web site at: <http://www.sandiego.gov/eoc/forms/index.shtml>

#### B. GENERAL.

1. The City of San Diego promotes equal employment and subcontracting opportunities.
2. The City is committed to ensuring that taxpayer dollars spent on public Contracts are not paid to businesses that practice discrimination in employment or subcontracting.
3. The City encourages all companies seeking to do business with the City to share this commitment.

#### C. DEFINITIONS.

1. For the purpose of these requirements: Terms "Bid" and "Proposal", "Bidder" and "Proposer", "Subcontractor" and "Subconsultant", "Contractor" and "Consultant", "Contractor" and "Prime Contractor", "Consultant" and "Professional Service Provider", "Suppliers" and "Vendors", "Suppliers" and "Dealers", and "Suppliers" and "Manufacturers" may have been used interchangeably.
2. The following definitions apply:
  - a) **Emerging Business Enterprise (EBE)** - A for-profit business that is independently owned and operated; that is not a subsidiary or franchise of another business and whose gross annual receipts do not exceed the amount set by the City Manager and that meets all other criteria set forth in regulations implementing Municipal Code Chapter 2, Article 2, Division 36. The City Manager shall review the threshold amount for EBEs on an annual basis and adjust as necessary to reflect changes in the marketplace.
  - b) **Emerging Local Business Enterprise (ELBE)** - A Local Business Enterprise that is also an Emerging Business Enterprise.

- c) **Minority Business Enterprise (MBE)** - A certified business that is at least fifty-one percent (51%) owned by one or more minority individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more minority individuals; and (2) whose daily business operations are managed and directed by one or more minorities owners. Minorities include the groups with the following ethnic origins: African, Asian Pacific, Asian Subcontinent, Hispanic, Native Alaskan, Native American, and Native Hawaiian.
- d) **Women Business Enterprise (WBE)** - A certified business that is at least fifty-one percent (51%) owned by a woman or women, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more women; and (2) whose daily business operations are managed and directed by one or more women owners.
- e) **Disadvantaged Business Enterprise (DBE)** - a certified business that is at least fifty-one percent (51%) owned by socially and economically disadvantaged individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more socially and economically disadvantaged individuals; and (2) whose daily business operations are managed and directed by one or more socially and economically disadvantaged owners.
- f) **Disabled Veteran Business Enterprise (DVBE)** - A certified business that is at least fifty-one percent (51%) owned by one or more disabled veterans; and (2) business operations must be managed and controlled by one or more disabled veterans. Disabled Veteran is a veteran of the U.S. military, naval, or air service; the veteran must have a service-connected disability of at least 10% or more; and the veteran must reside in California.
- g) **Other Business Enterprise (OBE)** - Any business which does not otherwise qualify as a Minority, Woman, Disadvantaged, or Disabled Veteran Business Enterprise.
- h) **Small Business Enterprise (SBE)** - A for-profit business that is independently owned and operated; that is not a subsidiary or franchise of another business and whose gross annual receipts do not exceed the amount set by the City Manager and that meets all other criteria set forth in regulations implementing Municipal Code Chapter 2, Article 2, Division 36. The City Manager shall review the threshold amount for SBEs on an annual basis and adjust as necessary to reflect changes in the marketplace. A business certified as a Micro Business (MB) or a Disabled Veteran Business Enterprise (DVBE) by the State of California and that has provided proof of such certification to the City Manager shall be deemed to be an SBE.

- i) **Small Local Business Enterprise (SLBE)** - A Local Business Enterprise that is also a Small Business Enterprise.

**D. CITY'S EQUAL OPPORTUNITY COMMITMENT.**

**1. Nondiscrimination in Contracting Ordinance.**

- a) You, your Subcontractors, and Suppliers shall comply with the requirements of the City's Nondiscrimination in Contracting Ordinance, San Diego Municipal Code §§22.3501 through 22.3517.

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

You shall include the foregoing clause in all Contracts between you and your Subcontractors and Suppliers.

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

**E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.**

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

You shall not discriminate against any employee or applicant for employment on any basis prohibited by law. You shall provide equal opportunity in all employment practices. You shall ensure that your Subcontractors comply with this program. Nothing in this section shall be interpreted to hold you liable for any discriminatory practices of your Subcontractors.

You shall include the foregoing clause in all Contracts between you and your Subcontractors and Suppliers.

2. If the Contract is competitively solicited, the selected Bidder shall submit a Work Force Report (Form BB05) within 10 Working Days after receipt by the Bidder to the City for approval as specified in the Notice of Intent to Award letter.
3. The selected Bidder shall submit an Equal Employment Opportunity Plan if a Work Force Report is submitted and if the City determines that there are under-representations when compared to County Labor Force Availability data.
4. If the selected Bidder submits an Equal Employment Opportunity Plan, it shall include the following assurances:
  - a) You shall maintain a working environment free of discrimination, harassment, intimidation, and coercion at all Sites and in all facilities at which your employees are assigned to Work.
  - b) You shall review your EEO Policy annually with all on-Site supervisors involved in employment decisions.
  - c) You shall disseminate and review your EEO Policy with all employees at least once a year, post the policy statement and EEO posters on all company bulletin boards and job sites, and document every dissemination, review, and posting with a written record to identify the time, place, employees present, subject matter, and disposition of meetings.
  - d) You shall review, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintain written documentation of these reviews.
  - e) You shall discuss your EEO Policy Statement with Subcontractors with whom you anticipate doing business, including the EEO Policy Statement in your Subcontracts, and provide such documentation to the City upon request.

- f) You shall document and maintain a record of all Bid solicitations and outreach efforts to and from Subcontractors, contractor associations, and other business associations.
- g) You shall disseminate your EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit. Maintain files documenting these efforts and provide copies of these advertisements to the City upon request.
- h) You shall disseminate your EEO Policy to union and community organizations.
- i) You shall provide immediate written notification to the City when any union referral process has impeded your efforts to maintain your EEO Policy.
- j) You shall maintain a current list of recruitment sources, including those outreaching to people of color and women, and provide written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
- k) You shall maintain a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
- l) You shall encourage all present employees, including people of color and women employees, to recruit others.
- m) You shall maintain all employment selection process information with records of all tests and other selection criteria.
- n) You shall develop and maintain documentation for on-the-job training opportunities, participate in training programs, or both for all of your employees, including people of color and women, and establish apprenticeship, trainee, and upgrade programs relevant to your employment needs.
- o) You shall conduct, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourage all employees to seek and prepare appropriately for such opportunities.
- p) You shall ensure that the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

**F. SUBCONTRACTING.**

1. The City encourages all eligible business enterprises to participate in City contracts as a Contractor, Subcontractor, and joint venture partner with you, your Subcontractors, or your Suppliers. You are encouraged to take positive

steps to diversify and expand your Subcontractor solicitation base and to offer subcontracting opportunities to all eligible business firms including SLBEs, ELBEs, MBEs, WBEs, DBEs, DVBEs, and OBEs.

2. For Subcontractor participation level requirements, see the Contract Documents where applicable.
3. For the purposes of achieving the mandatory Subcontractor participation percentages, City percentage calculations will not account for the following:
  - a) "Field Orders" and "City Contingency" Bid items.
  - b) Alternate Bid items.
  - c) Allowance Bid items designated as "EOC Type II".
4. Allowance Bid items designated as "EOC Type I" will be considered as part of the Base Bid and will be included in the percentage calculation.
5. Each joint venture partner shall be responsible for a clearly defined Scope of Work. In addition, an agreement shall be submitted and signed by all parties identifying the extent to which each joint venture partner shares in ownership, control, management, risk, and profits of the joint venture.

**G. LISTS OF SUBCONTRACTORS AND SUPPLIERS.**

1. You shall comply with the Subletting and Subcontracting Fair Practices Act, Public Contract Code §§4100 through 4113, inclusive.
2. You shall list all Subcontractors who will receive more than 0.5% of the total Bid amount or \$10,000, whichever is greater on the form provided in the Contract Documents (Subcontractors list).
3. The Subcontractors list shall include the Subcontractor's name, telephone number including area code, physical address, Scope of Work, the dollar amount of the proposed Subcontract, the California contractor license number, the Public Works contractor registration number issued pursuant to Section 1725.5 of the Labor Code, and the Subcontractor's certification status with the name of the certifying agency.
4. The listed Subcontractor shall be appropriately licensed pursuant to Contractor License Laws.
5. For Design-Build Contracts, refer to the RFQ and RFP for each Project or Task Order.

**H. SUBCONTRACTOR AND SUPPLIER SUBSTITUTIONS.**

1. Listed Subcontractors and Suppliers shall not be substituted without the Express authorization of the City or its duly authorized agent.
2. Request for Subcontractor or Supplier substitution shall be made in writing to Purchasing & Contracting Department, Public Works Division, Attention Contract Specialist, 1200 3rd Ave., Suite 200, MS56, San Diego, CA 92101 with a copy to the Engineer.

3. The request shall include a thorough explanation of the reason(s) for the substitution, including dollar amounts and a letter from each substituted Subcontractor or Supplier stating that they (the Subcontractors or Suppliers) release all interest in working on the Project and written confirmation from the new Subcontractor or Supplier stating that they agree to work on the Project along with the dollar value of the Work to be performed.
4. Written approval of the substitution request shall be received by you or from the City or its authorized officer prior to any unlisted Subcontractor or Supplier performing Work on the Project.
5. Substitution of Subcontractors and Suppliers without authorization shall subject you to those penalties set forth in Public Contract Code §4110.
6. Requests for Supplier substitution shall be made in writing at least 10 Days prior to the provision of materials, supplies, or services by the proposed Supplier and shall include proof of written notice to the originally listed Supplier of the proposed substitution.
7. A Contractor whose Bid is accepted shall not:
  - a) Substitute a person as Subcontractor or Supplier in place of the Subcontractor or Supplier listed in the original bid, except that the City, or it's duly authorized officer, may consent to the substitution of another person as a Subcontractor or Supplier in any of the following situations:
    - i. When the Subcontractor or Supplier listed in the Bid, after having a reasonable opportunity to do so, fails or refuses to execute a written Contract for the scope of work specified in the subcontractor's bid and at the price specified in the subcontractor's bid, when that written contract, based upon the general terms, conditions, plans, and specifications for the project involved or the terms of the subcontractor's written bid, is presented to the subcontractor by the prime contractor.
    - ii. When the listed Subcontractor or Supplier becomes insolvent or the subject of an order for relief in bankruptcy.
    - iii. When the listed Subcontractor or Supplier fails or refuses to perform his or her subcontract.
    - iv. When the listed Subcontractor fails or refuses to meet bond requirements as set forth in Public Contract Code §4108.
    - v. When you demonstrate to the City or it's duly authorized officer, subject to the provisions set forth in Public Contract Code §4107.5, that the name of the Subcontractor was listed as the result of an inadvertent clerical error.
    - vi. When the listed Subcontractor is not licensed pursuant to Contractor License Law.

- vii. When the City, or its duly authorized officer, determines that the Work performed by the listed Subcontractor or that the materials or supplies provided by the listed Supplier are substantially unsatisfactory and not in substantial accordance with the Plans and specifications or that the Subcontractor or Supplier is substantially delaying or disrupting the progress of the Work.
  - viii. When the listed Subcontractor is ineligible to work on a public works project pursuant to §§1777.1 or 1777.7 of the Labor Code.
  - ix. When the City or its duly authorized agent determines that the listed Subcontractor is not a responsible contractor.
- b) Permit a Contract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original Subcontractor, Supplier listed in the original Bid without the consent of the City, or its duly authorized officer.
  - c) Other than in the performance of "Change Orders" causing changes or deviations from the Contract, sublet or subcontract any portion of the Work, or contract for materials or supplies in excess of 0.5% of your total bid or \$10,000, whichever is greater, as to which his or her original Bid did not designate a Subcontractor or Supplier.
8. Following receipt of notice from you of the proposed substitution of a Subcontractor or Supplier, the listed Subcontractor or Supplier who has been so notified shall have 5 Working Days within which to submit written objections to the substitution to the Contract Specialist with a copy to the Engineer. Failure to file these written objections shall constitute the listed Subcontractor or Supplier's consent to the substitution. If written objections are filed, the City shall give notice in writing of at least 5 Working Days to the listed Subcontractor or Supplier of a hearing by the City on your request for substitution.

**I. PROMPT PAYMENT.**

- 1. You or your Subcontractors shall pay to any subcontractor, not later than 7 Calendar Days of receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed you on account of the Work performed by the Subcontractors, to the extent of each Subcontractor's interest therein. In cases of Subcontractor performance deficiencies, you shall make written notice of any withholding to the Subcontractor with a copy to the Contracts Specialist. Upon correction of the deficiency, you shall pay the Subcontractor the amount previously withheld within 14 Calendar Days after payment by the City.
- 2. Any violation of California Business and Professions Code, §7108.5 concerning prompt payment to Subcontractors shall subject the violating Contractor or

Subcontractor to the penalties, sanctions, and other remedies of that section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to you or your Subcontractor in the event of a dispute involving late payment or nonpayment by the Prime Contractor, deficient subcontract performance, or noncompliance by a Subcontractor.

**J. PROMPT PAYMENT OF FUNDS WITHHELD TO SUBCONTRACTORS.**

1. The City will hold retention from you and will make prompt and regular incremental acceptances of portions, as determined by the Engineer, of the Work and pay retention to you based on these acceptances.
2. You or your Subcontractors shall return all monies withheld in retention from a Subcontractor within 30 Calendar Days after receiving payment for Work satisfactorily completed and accepted including incremental acceptances of portions of the Work by the City.
3. Federal law (49CFR26.29) requires that any delay or postponement of payment over 30 Calendar Days may take place only for good cause and with the City's prior written approval. Any violation of this provision by you or your Subcontractor shall subject you or your Subcontractor to the penalties, sanctions, and other remedies specified in §7108.5 of the Business and Professions Code.
4. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to you or your Subcontractor in the event of a dispute involving late payment or nonpayment by you, deficient subcontract performance, or noncompliance by a Subcontractor.

**K. CERTIFICATION.**

1. The City accepts certifications of DBE, DVBE, MBE, SMBE, SWBE, or WBE by any of the following certifying agencies:
  - a) Current certification by the State of California Department of Transportation (CALTRANS) as DBE, SMBE, or SWBE.
  - b) Current MBE, WBE, or DVBE certification from the California Public Utilities Commission.
  - c) DVBE certification is received from the State of California's Department of General Services, Office of Small and Minority Business.
  - d) Current certification by the City of Los Angeles as DBE, WBE, or MBE.
  - e) Subcontractors' valid proof of certification status (copies of MBE, WBE, DBE, or DVBE certifications) shall be submitted as required.

**L. CONTRACT RECORDS AND REPORTS.**

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 10<sup>th</sup> 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.

## EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

### SECTION B - SLBE-ELBE SUBCONTRACTING REQUIREMENTS

**THESE SPECIAL PROVISIONS SUPPLEMENT THE POLICIES AND REQUIREMENTS ESTABLISHED BY THE CITY OF SAN DIEGO EQUAL OPPORTUNITY CONTRACTING PROGRAM SPECIFIED IN THE CITY'S GENERAL EOCP REQUIREMENTS.**

#### **A. GENERAL.**

1. It is the City's policy to encourage greater availability, capacity development, and contract participation by SLBE and ELBE firms in City contracts. This policy is, in part, intended to further the City's compelling interest to stimulate economic development through the support and empowerment of the local community, ensure that it is neither an active nor passive participant in marketplace discrimination, and promote equal opportunity for all segments of the contracting community.
2. The City is committed to maximizing subcontracting opportunities for all qualified and available firms.
3. This policy applies to City-funded construction contracts. Bidders shall be fully informed of this policy as set forth in these specifications. Mandatory or voluntary subcontracting percentages, Bid Discounts, and restricted competitions are specified in the Contract Documents.
4. You shall make subcontracting opportunities available to a broad base of qualified Subcontractors and shall achieve the minimum SLBE-ELBE Subcontractor participation identified for your project.
5. Failure to subcontract the specified minimum (mandatory) percentages of the Bid to qualified available SLBE-ELBE Subcontractors will cause a Bid to be rejected as non-responsive unless the Bidder has demonstrated compliance with the affirmative steps as specified in the City's document titled "Small Local Business (SLBE) Program, INSTRUCTIONS FOR BIDDERS COMPLETING THE GOOD FAITH EFFORT SUBMITTAL" and has submitted documentation showing that all required positive efforts were made prior to the Bid submittal due date. The required Good Faith Effort (GFE) documentation shall be submitted to the Contract Specialist. The instructions for completing the good faith effort submittal can be found on the City's website:  
<https://www.sandiego.gov/sites/default/files/legacy/eoc/pdf/slbegefinst.pdf>
6. The current list of certified SLBE-ELBE firms and information for completing the GFE submittal can be found on the City's EOC Department website:  
<http://www.sandiego.gov/eoc/programs/slbe.shtml>
7. These requirements may be waived, at the City's sole discretion, on projects deemed inappropriate for subcontracting participation.

**B.**

**DEFINITIONS.**

1. The following definitions shall be used in conjunction with these specifications:

- a) **Bid Discount** – Additional inducements or enhancements in the bidding process that are designed to increase the chances for the selection of SLBE firms in competition with other firms.
- b) **Commercially Useful Function** – An SLBE-ELBE performs a commercially useful function when it is responsible for the execution of the Work and is carrying out its responsibilities by actually performing, managing, and supervising the Work involved. To perform a commercially useful function, the SLBE-ELBE shall also be responsible, with respect to materials and supplies used on the Contract, for negotiating price, determining quantity and quality, ordering the material, and installing (where applicable) and paying for the material itself.

To determine whether an SLBE-ELBE is performing a commercially useful function, an evaluation will be performed of the amount of Work subcontracted, normal industry practices, whether the amount the SLBE-ELBE firm is to be paid under the contract is commensurate with the Work it is actually performing and the SLBE-ELBE credit claimed for its performance of the Work, and other relevant factors. Specifically, an SLBE-ELBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of meaningful and useful SLBE-ELBE participation, when in similar transactions in which SLBE-ELBE firms do not participate, there is no such role performed.

- c) **Good Faith Efforts (GFE)** – Documentation of the Bidder’s intent to comply with SLBE Program goals and procedures included in the City’s SLBE Program, Instructions for Completing Good Faith Effort Submittal available from the City’s EOCP website or the Contract Specialist.
- d) **Independently Owned, Managed, and Operated** – Ownership of a SLBE-ELBE firm shall be direct, independent, and by individuals only. Business firms that are owned by other businesses or by the principals or owners of other businesses that cannot themselves qualify under the SLBE-ELBE eligibility requirements shall not be eligible to participate in the Program. Moreover, the day-to-day management of the SLBE-ELBE firm shall be direct and independent of the influence of any other businesses that cannot themselves qualify under the SLBE-ELBE eligibility requirements.
- e) **Joint Venture** – An association of two or more persons or business entities that is formed for the single purpose of carrying out a single defined business enterprise for which purpose they combine their

capital, efforts, skills, knowledge, or property. Joint ventures shall be established by written agreement to qualify for this program.

- f) **Local Business Enterprise (“LBE”)** – A firm having a Principal Place of Business and a Significant Employment Presence in San Diego County, California that has been in operation for 12 consecutive months and a valid business tax certificate. This definition is subsumed within the definition of Small Local Business Enterprise.
- g) **Minor Construction Program** – A program developed for bidding exclusively among SLBE-ELBE Construction firms.
- h) **Principal Place of Business** – A location wherein a firm maintains a physical office and through which it obtains no less than 50% of its overall customers or sales dollars.
- i) **Protégé** – A firm that has been approved and is an active participant in the City’s Mentor-Protégé Program and that has signed the required program participation agreement and has been assigned a mentor.
- j) **Significant Employee Presence** – No less than 25% of a firm’s total number of employees are domiciled in San Diego County.

**C. SUBCONTRACTOR PARTICIPATION.**

- 1. For the purpose of satisfying subcontracting participation requirements, only 1<sup>st</sup> tier SLBE–ELBE Subcontractors will be recognized as participants in the Contract according to the following criteria:
  - a) For credit to be allowed toward a respective participation level, all listed SLBE-ELBE firms shall have been certified by the Bid due date.
  - b) The Subcontractor shall perform a commercially useful function for credit to be allowed toward subcontractor participation levels. The Subcontractor shall be required by you to be responsible for the execution of a distinct element of the Work and shall carry out its responsibility by actually performing and supervising its own workforce.
  - c) If the Bidder is seeking the recognition of materials, supplies, or both towards achieving any mandatory subcontracting participation level, the Bidder shall indicate on Form AA40 – Named Equipment/Material Supplier List with the Bid the following:
    - i. If the materials or supplies are obtained from a SLBE-ELBE manufacturer, the Bidder will receive 100% of the cost of the materials or supplies toward SLBE participation. For the purposes of counting SLBE-ELBE participation, a manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the Contract and of the general character described by the specifications.

- ii. If the materials or supplies are obtained from a SLBE-ELBE supplier, the Bidder will receive 60% of the cost of the materials or supplies toward SLBE participation. For the purposes of counting SLBE-ELBE participation a Supplier is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the Contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. To be a supplier, the firm shall be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. A person may be a supplier in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating, or maintaining a place of business if the person both owns and operates distribution equipment for the products. Any supplementing of the suppliers' own distribution equipment shall be by a long-term lease agreement and shall not be on an ad hoc or contract-by-contract basis.
  - iii. If the materials or supplies are obtained from a SLBE-ELBE, which is neither a manufacturer nor a supplier, the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees or transportation charges for the delivery of materials or supplies required on a job site will be counted toward SLBE-ELBE participation, provided the fees are reasonable and not excessive as compared with fees customarily allowed for similar services. No portion of the cost of the materials and supplies themselves will be counted toward SLBE-ELBE participation.
- d) If the Bidder is seeking the recognition of SLBE-ELBE Trucking towards achieving any mandatory subcontracting participation level, the Bidder shall indicate it on Form AA35 – List of Subcontractors with the Bid. The following factors will be evaluated in determining the credit to be allowed toward the respective participation level:
- i. The SLBE-ELBE shall be responsible for the management and supervision of the entire trucking operation for which it is getting credit on a particular Contract and there shall not be a contrived arrangement for the purpose of counting SLBE-ELBE participation.
  - ii. The SLBE-ELBE shall itself own and operate at least 1 fully licensed, insured, and operational truck used on the Contract.

- iii. The SLBE-ELBE receives credit for the total value of the transportation services it provides on the Contract using trucks it owns, insures, and operates using drivers it employs.
- iv. The SLBE-ELBE may lease trucks from another SLBE-ELBE firm including an owner-operator who is certified as a SLBE-ELBE. The SLBE-ELBE who leases trucks from another SLBE-ELBE receives credit for the total value of the transportation services the lessee SLBE-ELBE provides on the contract.
- v. The SLBE-ELBE may also lease trucks from a non-SLBE-ELBE firm, including an owner-operator. The SLBE-ELBE who leases trucks from a non-SLBE-ELBE is entitled to credit for the total value of transportation services provided by non-SLBE-ELBE lessees not to exceed the value of transportation services provided by SLBE-ELBE owned trucks on the contract. Additional participation by non-SLBE-ELBE lessees receive credit only for the fee or commission it receives as a result of the lease arrangement.
- vi. A lease shall indicate that the SLBE-ELBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the SLBE-ELBE so long as the lease gives the SLBE-ELBE absolute priority for use of the leased truck.

**D. SLBE-ELBE SUBCONTRACTOR PARTICIPATION PERCENTAGES.**

1. Contracts valued at \$1,000,000 and above will be considered Major Public Works Contracts and will include a mandatory Subcontractor participation requirement for SLBE-ELBE firms.
  - a) The Bidder shall achieve the mandatory Subcontractor participation requirement or demonstrate GFE.
  - b) The Bidders shall indicate the participation on Forms AA35 - List of Subcontractors and AA40 - Named Equipment/Material Supplier List as applicable regardless of the dollar value.
  - c) An SLBE-ELBE Bidder may count its own participation toward achieving the mandatory goal as long as the SLBE-ELBE Bidder performs 51% of the Contract Price.
2. Contracts Valued over \$500,000 and under \$1,000,000 will also be considered Major Public Works Contracts and will include the mandatory subcontractor participation requirements described above and the following:
  - a) 5% bid discount for SLBE-ELBE firms.
  - b) Non-certified Contractor will receive 5% bid discount if they achieve the specified mandatory Subcontracting participations.

- c) Bid discounts shall not apply if the award will result in a total contract cost of \$50,000 in excess of the apparent lowest Bid.
  - d) In the event of a tie bid between a SLBE-ELBE Bidder and a non-SLBE-ELBE Bidder, the SLBE-ELBE Bidder will be awarded the Contract.
  - e) In the event of a tie bid between a discounted Bid and a non-discounted Bid, the discounted Bid will be awarded the Contract.
3. Contracts valued over \$250,000 up to \$500,000 will be considered Minor Public Works Contracts and will be awarded through a competitive Bid process open only to City certified SLBE-ELBE firms. If there are no bidders or no responsible bidders, the Contract will be made available to all Bidders and will be subject to requirements listed in items 1 and 2 for Major Public Works Contracts above.
  4. Contracts valued at \$250,000 and below will also be considered Minor Public Works Contracts and will be awarded through a competitive bid process open only to City certified ELBEs unless there are less than 2 firms available at which it will be awarded through a competitive process open only to the City certified SLBE-ELBE firms. If there are no bidders or no responsible bidders, the Contract will be made available to all Bidders and subject to requirements listed in items 1 and 2 for Major Public Works Contracts above.

**E. JOINT VENTURES.**

1. The City may allow for Joint Venture bid discounts on some Contracts. Contracts that allow for Joint Venture bid discounts will be designated in Bid documents. A firm that is bidding or competing for City Contracts may partner with a certified SLBE or ELBE to compete for Contracts as a Joint Venture.
2. A Joint Venture shall be between two entities with the same discipline or license as required by the City. Joint ventures will receive bid discounts depending on the SLBE or ELBE percentage of participation. To be eligible for a discount, a Joint Venture Agreement shall be approved by the City at the time of Bid submittal. The maximum allowable discount shall be 5%. The parties shall agree to enter in the relationship for the life of the projects.
3. Joint Venture shall submit a Joint Venture Management Plan, a Joint Venture Agreement, or both at least 2 weeks prior to the Bid due date. Copies of the Joint Venture applications are available upon request to the Contract Specialist. Each agreement or management plan shall include the following:
  - a) Detailed explanation of the financial contribution for each partner.
  - b) List of personnel and equipment used by each partner.
  - c) Detailed breakdown of the responsibilities of each partner.
  - d) Explanation of how the profits and losses will be distributed.
  - e) Description of the bonding capacity of each partner.
  - f) Management or incentive fees available for any one of the partners (if any).

4. Each Joint Venture partner shall perform a Commercially Useful Function. An SLBE or ELBE that relies on the resources and personnel of a non-SLBE or ELBE firm will not be deemed to perform a Commercially Useful Function.
5. Each Joint Venture partner shall possess licenses appropriate for the discipline for which a proposal is being submitted. If a Joint Venture is bidding on a single trade project, at the time of bid submittal, each Joint Venture partner shall possess the requisite specialty license for that trade bid.
6. The SLBE or ELBE partner shall clearly define the portion of the Work to be performed. This Work shall be of the similar type of Work the SLBE or ELBE partner performs in the normal course of its business. The Joint Venture Participation Form shall specify the Bid items to be performed by each individual Joint Venture partner. Lump sum Joint Venture participation shall not be acceptable.
7. Responsibilities of the SLBE or ELBE Joint Venture Partner:
  - a) The SLBE or ELBE partner shall share in the control, management responsibilities, risks and profits of the Joint Venture in proportion with the level of participation in the project.
  - b) The SLBE or ELBE partner shall perform Work that is commensurate with its experience.
  - c) The SLBE or ELBE partner shall use its own employees and equipment to perform its portion of the Work.
  - d) The Joint Venture as a whole shall perform Bid items that equal or exceed 50% of the Contract Price, excluding the cost of manufactured items, in order to be eligible for a Joint Venture discount.

**F. MAINTAINING PARTICIPATION LEVELS.**

1. Credit and preference points are earned based on the level of participation proposed prior to the award of the Contract. Once the Project begins you shall achieve and maintain the SLBE-ELBE participation levels for which credit and preference points were earned. You shall maintain the SLBE-ELBE percentages indicated at the Award of Contract and throughout the Contract Time.
2. If the City modifies the original Scope of Work, you shall make reasonable efforts to maintain the SLBE-ELBE participation for which creditor preference points were earned. If participation levels will be reduced, approval shall be received from the City prior to making changes.
3. You shall notify and obtain written approval from the City in advance of any reduction in subcontract scope, termination, or substitution for a designated SLBE-ELBE Subcontractor. Failure to do so shall constitute a material breach of the Contract.
4. If you fail to maintain the SLBE-ELBE participation listed at the time the Contract is awarded and have not received prior approval from the City, the

City may declare you in default and will be considered grounds for debarment under Chapter 2, Article 2, Division 8, of the San Diego Municipal Code.

**G. SUBCONTRACTING EFFORTS REVIEW AND EVALUATION.**

1. Documentation of your subcontracting efforts will be reviewed by EOCP to verify that you made subcontracting opportunities available to a broad base of qualified Subcontractors, negotiated in good faith with interested Subcontractors, and did not reject any bid for unlawful discriminatory reasons. The EOCP review is based on the federal “Six Good Faith Efforts” model.
2. The GFEs are required methods to ensure that all ELBE and SLBE firms have had the opportunity to compete for the City’s Public Works procurements. The Six Good Faith Efforts, also known as affirmative steps, attract and utilize ELBE and SLBE firms:
  - a) Ensure ELBE firms are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities.
  - b) Make information of forthcoming opportunities available to SLBE-ELBE firms and arrange time for Contracts and establish delivery schedules, where requirements permit, in a way that encourages and facilitates participation by SLBE-ELBE firms in the competitive process. This includes posting solicitations for Bids or proposals to SLBE-ELBE firms for a minimum of 10 Working Days before the Bid or Proposal due date.
  - c) Consider in the contracting process whether firms competing for large Contracts could subcontract with SLBE-ELBE firms.
  - d) Encourage contracting with a consortium of ELBE-SLBE firms when a Contract is too large for one of these firms to handle individually.
  - e) Use the services and assistance of the City’s EOC Office and the SLBE-ELBE Directory.
  - f) If you award subcontracts, require your Subcontractors to take the steps listed above.

**H. GOOD FAITH EFFORT DOCUMENTATION.**

1. If the specified SLBE-ELBE Subcontractor participation percentages are not met, you shall submit information necessary to establish that adequate GFEs were taken to meet the Contract Subcontractor participation percentages. See the City’s document titled “Small Local Business (SLBE) Program, INSTRUCTIONS FOR BIDDERS COMPLETING THE GOOD FAITH EFFORT SUBMITTAL.” The instructions for completing the good faith effort submittal can be found on the City’s website:

<https://www.sandiego.gov/sites/default/files/legacy/eoc/pdf/slbegfeinst.pdf>

**I. SUBCONTRACTOR SUBSTITUTION.**

1. Evidence of fraud or discrimination in the substitution of Subcontractors will result in sanctions including assessment of penalty fines, termination of Contract, or debarment. This section does not replace applicable California Public Contract Code.

**J. FALSIFICATION OF SUB-AGREEMENT AND FRAUD.**

1. Falsification or misrepresentation of a sub-agreement as to company name, Contract amount or actual Work performed by Subcontractors, or any falsification or fraud on the part your submission of documentation and forms pursuant to this program, will result in sanctions against you including assessment of penalty fines, termination of the Contract, or debarment. Instances of falsification or fraud which are indicative of an attempt by you to avoid subcontracting with certain categories of Subcontractors on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability shall be referred to the Equal Opportunity Contracting Program's Investigative Unit for possible violations of Article 2, Division 35 of the City Administrative Code, §§22.3501 et seq. (Nondiscrimination in Contracting).

**K. RESOURCES.**

1. The current list of certified SLBE-ELBE firms and information for completing the GFE submittal can be found on the City's EOC Department website:  
<http://www.sandiego.gov/eoc/programs/slbe.shtml>
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**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 **2021 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2021 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
  - a) General Provisions (A) for all Construction Contracts.

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

- 1-2 TERMS AND DEFINITIONS.** To the "WHITEBOOK", item 55, "Normal Working Hours", ADD the following:

The **Normal Working Hours** are **9:00 AM to 5:00 PM**.

### **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.

- 3-8.4 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 M – Sewer Mains, Manholes and Laterals Rehabilitation Data Collection – Sample Data Template**).
  - a) Sewer Mains
  - b) Laterals
  - c) Manholes

- 3-8.7 Contractor's Quality Control Plan (QCP).** To the "WHITEBOOK", ADD the following:

7. The establishment and implementation of a Quality Control Plan (QCP), as defined in the standard specifications, shall be required for this Contract. See example in **Appendix F - Sample Contractor's Daily Quality Control Inspection Report**.

**3-12.7 Drinking Water Discharges Requirements.** To the “WHITEBOOK”, ADD the following:

1. You shall record the results for each discharge event on the City's Drinking Water Discharge Monitoring form included as **Appendix G - Monthly Drinking Water Discharge Monitoring Form.**

**3-15.3 Coordination.** To the “WHITEBOOK”, ADD the following:

2. Work within the specified area below shall be coordinated with the following contact prior to the start of construction:

Sheet C-36, Navajo Apartments Frontage Improvements  
Jesus Garcia, jgarcia@project.com  
Project Design Consultants  
O: (619)235-6471

Sheet C-39, Lomas Del Cerro Condominiums  
Angie Schertz, SDHOA, HOA Manager, angie@sdhoa.com  
O: (619) 227-4220 ext. 117

#### **SECTION 4 - CONTROL OF MATERIALS**

**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 Notice of Intent to Award** 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. If you maintain broader coverage and/or higher limits than the minimums shown below, City requires and shall be entitled to the broader coverage and/or the higher limits maintained by you. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.
5. Your 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.
6. Policies of insurance shall provide that the City is entitled to 30 days advance written notice of cancellation or non-renewal of the policy or 10 days advance written notice for cancellation due to non-payment of premium. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage and 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	\$10,000,000
Products/Completed Operations Aggregate Limit	\$10,000,000
Personal Injury Limit	\$5,000,000
Each Occurrence	\$5,000,000

**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 Workers’ Compensation Insurance and Employers Liability Insurance.**

1. In accordance with the provisions of California Labor Code section 3700, 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 this requirement.
2. Statutory Limits shall be provided for Workers’ Compensation Insurance as required by the state of California, and Employer’s Liability Insurance with limits of no less than \$1,000,000 per accident for bodily injury or disease.
3. By signing and returning the Contract, you certify that you are aware of the provisions of California’s Workers’ Compensation laws, including Labor Code section 3700, which requires every employer to be insured against liability for workers’ compensation or to undertake self-insurance, and that you will comply with these provisions before commencing the Work..

**5-4.2.4 Contractors Pollution Liability Insurance.**

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain Contractors Pollution Liability Insurance applicable to the Work being performed, with a limit no less than \$2,000,000 per claim or occurrence and \$4,000,000 aggregate per policy period of one year.
2. All costs of defense shall be outside the limits of the policy.

3. You shall obtain written approval from the City for any insurance provided by your Subcontractor instead of you.
4. 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 unless the City has provided prior, written approval.
5. Occurrence based policies shall be procured before the Work commences. 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.

**5-4.2.5 Contractors Hazardous Transporters Pollution Liability Insurance.**

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain Contractors Hazardous Transporters Pollution Liability Insurance, including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount no less than \$2,000,000 limit per occurrence and \$4,000,000 aggregate per policy period of one year.
2. All costs of defense shall be outside the limits of the policy.
3. You shall obtain written approval from the City from any insurance provided by a Subcontractor instead of you.
4. To obtain City approval of a Subcontractor's insurance coverage in lieu of the Contractor's insurance, the Contractor shall certify that all activities under the Contractor's Hazardous Transporters Pollution Liability Insurance will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim without prior approval of the City
5. Occurrence based policies shall be procured before the Work commences. Claims Made policies shall be procured before the Work commences, shall be maintained for the duration of this contract, 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 under this Contract without advancing the retroactive date.

**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.** You shall furnish the City with original Certificates of Insurance including all required amendatory endorsements (or copies of the applicable policy language effecting coverage required by this clause). However, failure to obtain the required documents prior to the work beginning shall not waive your obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements, required by these specifications, at any time.

**5-4.5 Policy Endorsements.**

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

**5-4.5.1.1 Additional Insured.** To the fullest extent permitted by law and consistent with the limiting provisions set forth at California Civil Code section 2782, California Insurance Code section 11580.04, and any applicable successor statutes limiting indemnification of public agencies that bind the City, the policy or policies shall be endorsed to include as an Additional Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:

- i. Ongoing operations performed by you or on your behalf,
- ii. your products,
- iii. your work, e.g., your completed operations performed by you or on your behalf, or
- iv. 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 Workers' Compensation Insurance and Employers Liability Insurance.**

**5-4.5.2.1 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.

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

**5-4.5.3.1 Additional Insured.** To the fullest extent permitted by law and consistent with the limiting provisions set forth at California Civil Code section 2782, California Insurance Code section 11580.04, and any applicable successor statutes limiting indemnification of public agencies that bind the City, the policy or policies shall be endorsed to include as an Additional 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.

**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.

**5-4.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.**

**5-4.5.4.1 Additional Insured.** To the fullest extent permitted by law and consistent with the limiting provisions set forth at California Civil Code section 2782, California Insurance Code section 11580.04, and any applicable successor statutes limiting indemnification

of public agencies that bind the City, the policy or policies shall be endorsed to include as an Additional 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.

**5-4.5.4.2 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

**5-4.5.4.3 Severability of Interest.** For Contractors Hazardous Transporters 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 disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided. The City may require you or to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or City.

**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, in writing, 30 days prior to any material change to the policies of insurance provided under this Contract. This written notice is in addition to the requirements of paragraph 8 of Section 5-4.1. Policies of insurance shall provide that the City is entitled to 30 days advance written notice of cancellation or non-renewal of the policy or 10 days advance written notice for cancellation due to non-payment of premium. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage and to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract

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

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

**6-1.1 Construction Schedule.** To the “WHITEBOOK”, ADD the following:

3. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.

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

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:
  - a) Jackson Drive between Park Ridge Blvd to Birchcreek Rd from March 1 to August 15 (inclusive). See Contractor’s Responsibilities, Note 14 and 15, on Cover Sheet (Sheet 41499-01-D) for more details.

**ADD:**

**6-6.1.1 Environmental Document.**

1. The City of San Diego has prepared a **Notice of Exemption** for **AC Water & Sewer Group 1050**, Project No. **B-18090 (Water) and B-18094 (Sewer)**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.
2. Compliance with the City’s environmental document shall be included in the Contract Price, unless separate bid items have been provided.

**6-6.2.1 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.
5. The entire project area is within archeological sensitive areas and monitoring may be required for all native soil disturbance. The Archaeological and Native American monitor will define the monitoring limits through an Archeological Monitoring Exhibit (AME), which will be provided by the City prior to construction.

**6-6.2.2 Paleontological Monitoring Program.** To the “WHITEBOOK”, ADD the following:

3. You shall retain a qualified paleontologist for this Contract. You shall coordinate your activities and Schedule with the activities and schedules of the

paleontologist 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

**7-3.11 Compensation Adjustments for Price Index Fluctuations.** To the "WHITEBOOK", ADD the following:

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

## SECTION 303 CONCRETE AND MASONRY CONSTRUCTION

**303-6.1.2 Measurement and Payment.** To the "WHITEBOOK", ADD the following:

3. The work for colored stamped concrete raised median shall be included in the square foot Bid item for "**Colored Stamped Concrete Raised Median**" and in accordance with 303-7 "Colored Concrete".

## SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

**ADD:  
306-1.1**

### **High-line Phasing.**

1. Build the Project in accordance with the water high-lining phasing shown on the Plans and in phases as follows:
  - a) Phase I: Sheets C-16 and C-18
  - b) Phase II: Sheets C-17 and C-19
  - c) Phase III: Sheets C21-21 and C-25
  - d) Phase IV: Sheets C-21 and C-26-27
  - e) Phase V: Sheets C-22, C-23 and C-24
  - f) Phase VI: Sheets C-28, C-29 and C-30
  - g) Phase VII: Sheets C-31 and C-32
  - h) Phase VIII: Sheets C-33, C-34 and C-35
  - i) Phase IX: Sheet C-36
  - j) Phase X: Sheets C-37, C-38, C-39 and C-40

**306-7.8.2.1 General.** To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. Pressure testing of pipe and fittings at the lowest elevation shall be performed at 150% of the specified test pressure and no less than 100% of the specified test pressure at the highest elevation.

- a) Specified test pressure for Class 235 pipe shall be 150 psi and is tested at 225 psi.
- b) Specified test pressure for Class 305 pipe shall be 200 psi and is tested at 300 psi.

#### **SECTION 402 – UTILITIES**

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

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

**402-6**      **COOPERATION.** To the “WHITEBOOK”, ADD the following:

- 1. Notify SDG&E at least **10 Working Days** prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).

#### **SECTION 802 – NATIVE HABITAT PROTECTION, INSTALLATION, MAINTENANCE, AND MONITORING**

**802-2.1**      **Project Biologist.** To the “WHITEBOOK”, ADD the following:

- 5. You shall retain a qualified Project Biologist to perform biological monitoring Work for this Contract. You shall coordinate your activities and Schedule with the activities and schedules of the Project Biologist.

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

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

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

**SUPPLEMENTARY SPECIAL PROVISIONS**  
**APPENDICES**

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

**NOTICE OF EXEMPTION**

(Check one or both)

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

FROM: City of San Diego  
Engineering & Capital Projects Department  
525 B Street, Suite 750, MS 908A  
San Diego, CA 92101

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

**Project Name:** AC Water and Sewer Group 1050      **WBS No.:** B-18090.02.06 (Water)/B-18094.02.06 (Sewer)

**Project Location-Specific:** The project is located on Golfcrest Drive, Navajo Road, Jackson Drive, Park Ridge Boulevard, Forrestal Road, Laurelridge Road, Stevenson Way, Cibola Road, Summit Ridge Way, Laurelridge Court, High Country Court, Clear Sky Terrace, Mountain Top Court, Lofty View Point, Ridge Route Road, High Winds Way, Lazy Clouds Point, Town View Lane, Town View Court, and Town View Terrace. All work will occur within the Navajo Community Planning Area (Council District 7).

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

**Description of nature and purpose of the Project:** The project would replace-in-place approximately 11,723 linear feet (2.22 miles) of existing asbestos cement (AC) water mains (ranging from 4 inches to 20 inches in diameter) with new polyvinyl chloride (PVC) water mains (ranging from 8 inches to 16 inches in diameter) via open trench. The project includes approximately 4,766 linear feet (0.90 miles) of new 12-inch and 16-inch PVC water mains to be constructed via open trench. The project would construct associated water services, fire hydrants, valves, water mains and other related appurtenances. Approximately 4,766 linear feet (0.90) of existing AC water mains would be abandoned.

The project would replace-in-place approximately 983 linear feet (0.19 miles) of existing 8-inch and 10-inch vitrified clay (VC) sewer mains with new PVC pipes via open trench. The project would replace-in-place approximately 147 linear feet (0.03 miles) of existing 8-inch VC sewer mains with new 10-inch PVC pipes via trenchless construction methods. The project would construct approximately 3,898 linear feet (0.74 miles) of new 8-inch and 10-inch PVC sewer mains via open trench. The project includes associated sewer laterals, manholes and other appurtenances. Easement vacations would be required for the abandonment of 165 feet (0.03 miles) of existing 8-inch VC sewer main through private properties.

The project includes street resurfacing, sidewalk, and curb ramp replacement. A portion of the project occurs adjacent to and within the City's Multi-Habitat Planning Area (MHPA) and will be required to comply with the MHPA Land Use Adjacency Guidelines as specified in section 1.4.3 of the MSCP Subarea Plan.

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

**Name of Person or Agency Carrying Out Project:** Gretchen Eichar, 525 B Street, Suite 750, San Diego, CA 92101, (619) 533-4110

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))

- (X) Categorical Exemption: 15301(b) (c), and (d) [Existing Facilities], 15302 (c) [Replacement or Reconstruction], 15303 [New Construction]
- ( ) Statutory Exemption

Reasons why project is exempt: The City of San Diego conducted an environmental review and determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301(b), (c) and (d) [Existing Facilities], which allows for the operation, repair, maintenance, or minor alteration of existing public facilities and mechanical equipment, involving negligible or no expansion of existing or former use, including replacement of water and sewer mains, associated appurtenances, replacement of existing curb ramps, resurfacing of the roadway, and replacement of existing disturbed sidewalk; 15302 (c) [Replacement or Reconstruction], which allows for the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced replacement of water and sewer mains, associated appurtenances, replacement of existing curb ramps, resurfacing of the roadway, and replacement of existing disturbed sidewalk; 15303 [New Construction], which allows for the construction and location of limited numbers of new, small facilities or structures, including new sewer mains, new sewer manholes, and new water mains; and where the exceptions listed in Section 15300.2 would not apply. The project will implement paleontological resources monitoring for grading activities in accordance with San Diego Municipal Code Section 142.0151.

Lead Agency Contact Person: Gretchen Eichar

Telephone: (619) 533-4110

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? ( ) Yes ( ) No

It is hereby certified that the City of San Diego has determined the above activity to be exempt from CEQA

*Carrie Purcell*

Carrie Purcell, Assistant Deputy Director

4/14/21

Date

Check One:

- (X) Signed By Lead Agency
- ( ) Signed by Applicant

Date Received for Filing with County Clerk or OPR:

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

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

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

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

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

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

2.7 Water Department Director

**Reference**

2.8 State of California Guidance Manual for Cross Connection Programs

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

2.10 American Water Works Association Standards for Water Meters

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

3. **DEFINITIONS**

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

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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

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

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

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

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

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

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7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

- 8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.
- 8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.
- 8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.
- 8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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

**Water Department Director**

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

#### APPENDIX

**Administering Division:** Customer Support Division

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

**Distribution:** DI Manual Holders



# Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

## Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	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:	<input type="checkbox"/>	<input type="checkbox"/> Check Box if Reclaimed Water

## Company Information

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

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

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

**WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER**

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

**Note:**

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

Date

Name of Responsible Party  
Company Name and Address  
Account Number: \_\_\_\_\_

Subject:           Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

**APPENDIX C**

**MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE**

## MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

**APPENDIX D**

**SAMPLE CITY INVOICE WITH CASH FLOW FORECAST**



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

## Construction Cash Flow Forecast

"Sewer and Water Group Job 965 (W)"

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

SAMPLE REFERENCE

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

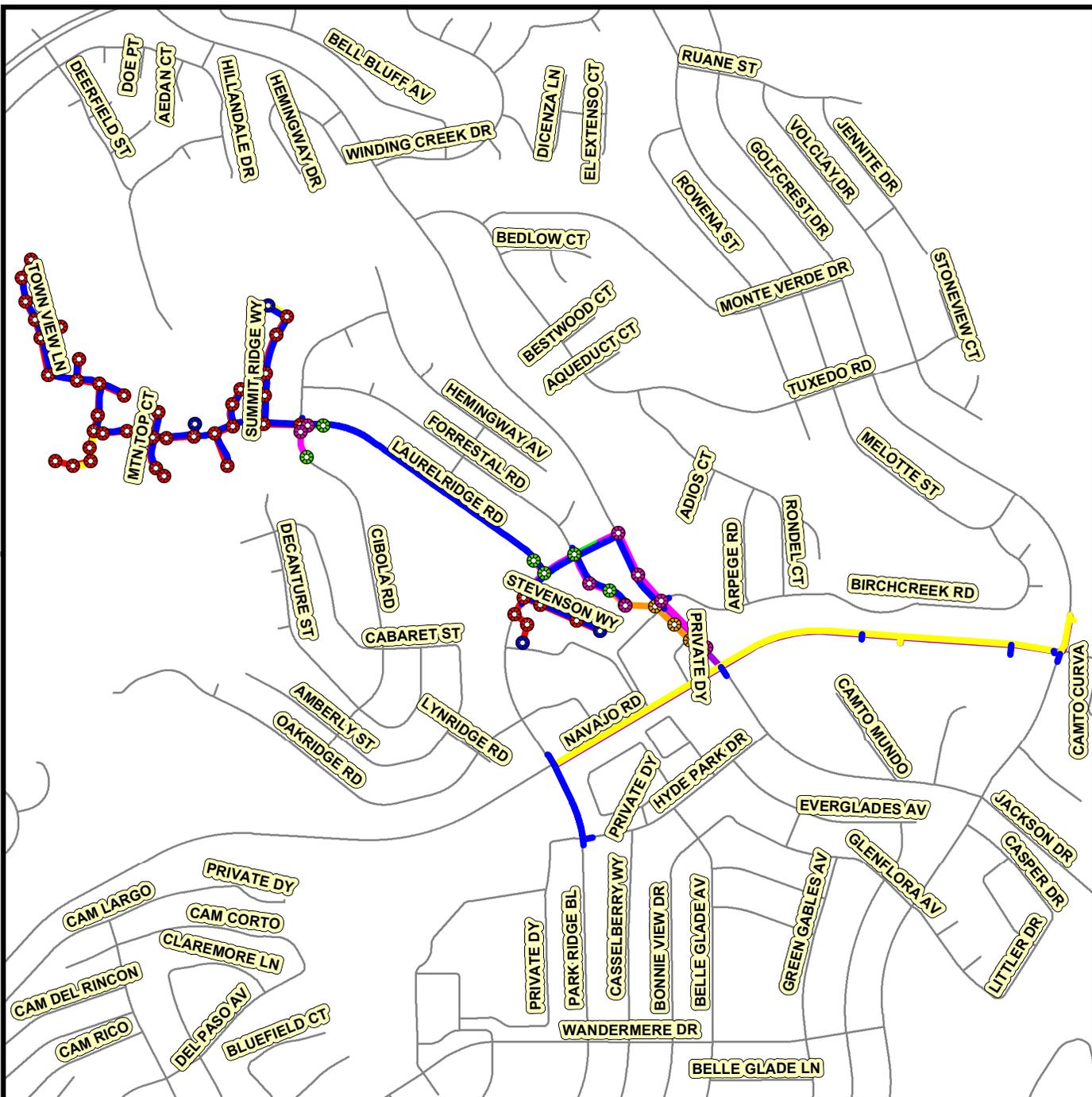
### AC WATER AND SEWER GRUP 1050

SENIOR ENGINEER  
SHEILA BOASE  
(619) 533-4698

PROJECT MANAGER  
JERICO GALLARDO  
(619) 533-7523

PROJECT ENGINEER  
SCOTT SANFILIPPO  
(619) 533-7497

FOR QUESTIONS ABOUT THIS PROJECT  
Call: 619-533-4207  
Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)



Legend			
	Proposed New Manhole		Proposed Sewer Main Replacement
	Proposed Manhole Replacement		Proposed Water Main Replacement
	Proposed Manhole Rehab		Proposed Water Main Abandonment
	Proposed Manhole Abandonment		Proposed New Sewer Main
	Proposed Cleanout		Proposed Sewer Rehab
			Proposed Sewer Abandonment
			Proposed New Water Main



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**APPENDIX F**  
**CONTRACTOR'S DAILY QUALITY CONTROL INSPECTION REPORT**

City of San Diego  
Rubber Polymer Modified Slurry  
**Contractor's Daily Quality Control Inspection Report**

Project Title: \_\_\_\_\_ Date: \_\_\_\_\_

Ambient Temperature (Start of Work): \_\_\_\_\_ Time: \_\_\_\_\_

Environmental Considerations: \_\_\_\_\_

Locations (Address Range/Cross Streets):

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Approved Mix Design: \_\_\_\_\_

Material Suppliers: \_\_\_\_\_

RPMS Type(s): \_\_\_\_\_

Slurry Machine #'s: \_\_\_\_\_

Estimated Cure Time (Break) of Slurry: \_\_\_\_\_

Pre-Mix (Per 100 Counts)

Gate Setting/Emulsion %: \_\_\_\_\_

Aggregate Weight: \_\_\_\_\_

Cement % (by weight of aggregate): \_\_\_\_\_

Crumb Rubber % (by volume of cement): \_\_\_\_\_

Machine Inspection

Leaks: \_\_\_\_\_

Sprayers: \_\_\_\_\_

Emulsion Filter: \_\_\_\_\_

Carbon Black: \_\_\_\_\_

Spreader Box Inspection

Cleanliness: \_\_\_\_\_

Augers: \_\_\_\_\_

Rubbers: \_\_\_\_\_

Fabric: \_\_\_\_\_

Runners: \_\_\_\_\_

City of San Diego  
Rubber Polymer Modified Slurry  
**Contractor's Daily Quality Control Inspection Report**

Project Conditions

Crack Fill: \_\_\_\_\_

Asphalt Deficiencies: \_\_\_\_\_

Cleanliness: \_\_\_\_\_

Impediments/Other: \_\_\_\_\_

Communication to Client/ Resident Engineer

Crack Fill: \_\_\_\_\_

Asphalt Deficiencies: \_\_\_\_\_

Cleanliness: \_\_\_\_\_

Impediments/Other: \_\_\_\_\_

Test Lab

Tech: \_\_\_\_\_ Time on Site: \_\_\_\_\_

Notes

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

QCP Administrator Signature:

Date Signed:

\_\_\_\_\_

\_\_\_\_\_

**Appendix F**

City of San Diego  
Asphalt Concrete Overlay  
**Contractor's Daily Quality Control Inspection Report**

Project Title: \_\_\_\_\_ Date: \_\_\_\_\_

Locations: 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Asphalt Mix Specification: Attached Supplier: \_\_\_\_\_

Dig out Locations: 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Tack Coat Application Rate @ Locations:  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Asphalt Temperature at Placement @ Locations:  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Asphalt Depth @Locations:  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Compaction Test Result @Locations:  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Location and nature of defects:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Remedial and Corrective Actions taken or proposed for Engineer's approval:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Date's City Laboratory representative was present:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Verified the following:

- 1. Proper Storage of Materials & Equipment
- 2. Proper Operation of Equipment
- 3. Adherence to Plans and Specs
- 4. Review of QC Tests
- 5. Safety Inspection

Initials:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Deviations from QCP \_\_\_\_\_ (see attached)

Quality Control Plan Administrator's Signature:

Date Signed:

\_\_\_\_\_

\_\_\_\_\_

**APPENDIX G**

**MONTHLY DRINKING WATER DISCHARGE MONITORING FORM**

# DRINKING WATER DISCHARGE MONITORING FORM

(Use for All Discharges to the Storm Drain)

All discharge activities related to this project comply with the State Water Resources Control Board ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES as referenced by ([http://www.waterboards.ca.gov/water\\_issues/programs/npdes/docs/drinkingwater/final\\_statewide\\_wqo2014\\_0194\\_dwq.pdf](http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf)), and as follows:

<b>Project Name:</b>		<b>WBS No.:</b>		<b>Watershed No.</b>	
<b>Qualified Person Conducting Tests:</b>		<b>signature</b>			

BMPs MUST BE IN PLACE PRIOR TO ANY SCHEDULED DISCHARGE

By signing, I certify that all of the statements and conditions for drinking water discharge events are correct.

Event #1												
Discharge Location <sup>1</sup>	Category <sup>2</sup> (Select one)	Notification <sup>3</sup> (Select all that apply)	BMPs in Place <sup>4</sup> (Select all that apply)	Volume <sup>5</sup> (gal)	Sampling <sup>6</sup> (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence <sup>7</sup>			Notes Report exceedence to RE & complete page 2 of 2
					Measure	Unit	Time	Result	Limit	No	Yes	
<b>Inlet Location</b>  <b>Start</b>  <b>End</b>	<b>Superchlorinated</b> <small>(Chlorine added for disinfection)</small>	<b>TSW</b> <small>(All Categories)</small>	<b>Sweep flow path</b> <small>(gutter, street, etc.)</small>	<b>Total</b>	<b>Chlorine</b>	mg/L			0.1 mg/L= Exceedence			
	<b>Large Volume</b> <small>(≥ 325,850 gal)</small>	<b>PUD</b> <small>(All Categories)</small>	<b>Dechlorination</b> <small>(diffusers, chemicals, etc.)</small>	<b>Reused</b> <small>(if any)</small>								
	<b>Well Dev/Rehab</b> <small>(Not Typical)</small>	<b>Water Board</b> <small>(Large Volume Only)</small>	<b>Inlet Protection</b>	<b>Erosion Controls</b>	<b>Turbidity</b>	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	<b>Small Volume/Other</b> <small>(No Sampling Required)</small>	<b>County</b> <small>(≥100,000 gal &amp; within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	<b>Sediment Controls</b>									
<b>Date:</b> <b>Time:</b>					<b>pH</b>	Unit			Range 6.5 to 8.5			

Event #2												
Discharge Location <sup>1</sup>	Category <sup>2</sup> (Select one)	Notification <sup>3</sup> (Select all that apply)	BMPs in Place <sup>4</sup> (Select all that apply)	Volume <sup>5</sup> (gal)	Sampling <sup>6</sup> (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence <sup>7</sup>			Notes Report exceedence to RE & complete page 2 of 2
					Measure	Unit	Time	Result	Limit	No	Yes	
<b>Inlet Location</b>  <b>Start</b>  <b>End</b>	<b>Superchlorinated</b> <small>(Chlorine added for disinfection)</small>	<b>TSW</b> <small>(All Categories)</small>	<b>Sweep flow path</b> <small>(gutter, street, etc.)</small>	<b>Total</b>	<b>Chlorine</b>	mg/L			0.1 mg/L= Exceedence			
	<b>Large Volume</b> <small>(≥ 325,850 gal)</small>	<b>PUD</b> <small>(All Categories)</small>	<b>Dechlorination</b> <small>(diffusers, chemicals, etc.)</small>	<b>Reused</b> <small>(if any)</small>								
	<b>Well Dev/Rehab</b> <small>(Not Typical)</small>	<b>Water Board</b> <small>(Large Volume Only)</small>	<b>Inlet Protection</b>	<b>Erosion Controls</b>	<b>Turbidity</b>	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	<b>Small Volume/Other</b> <small>(No Sampling Required)</small>	<b>County</b> <small>(≥100,000 gal &amp; within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	<b>Sediment Controls</b>									
<b>Date:</b> <b>Time:</b>					<b>pH</b>	Unit			Range 6.5 to 8.5			

Instructional Notes found on the Page 2 of 2

Submit completed Form to RE

## Receiving Water Monitoring

(Complete only if limits exceed on Page 1 of 2)

<b>Event #1</b>	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
<b>4) If any answers are YES, Notify the RE immediately for further action</b>	

<b>Event #2</b>	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
<b>4) If any answers are YES, Notify the RE immediately for further action</b>	

## Instructional Notes

- 1) Log the location of the inlet or discharge point. For example: Albatross St & 5th Av. Log the start date and time and the end date and time of the discharge.
- 2) Log the discharge category. "Superchlorinated" are discharges where additional chlorine is added in order to adequately disinfect and sanitize drinking water system facilities. This does NOT include potable water containing residual chlorine from the water treatment process. "Large Volume" discharges are greater than 325,850 gallons of total volume for one event. "Well Dev/Rehab" are discharges of potable ground water from a well. This is not typical. If none of these categories apply, then select "Small Volume/Other."
- 3) Notifications of the location, date, time, category, and estimated volume of discharge must be made to the contacts and per the requirements below:

Contact	When to Notify	Email
TSW	3 days prior to all discharges	<a href="mailto:SWPPP@SanDiego.gov">SWPPP@SanDiego.gov</a>
PUD	3 days prior to all discharges	<a href="mailto:CompReports@SanDiego.gov">CompReports@SanDiego.gov</a> <a href="mailto:Rdavenport@SanDiego.gov">Rdavenport@SanDiego.gov</a>
San Diego Water Board	3 days prior to Large Volume discharges	<a href="mailto:SanDiego@WaterBoards.ca.gov">SanDiego@WaterBoards.ca.gov</a> <a href="mailto:Ben.Neill@WaterBoards.ca.gov">Ben.Neill@WaterBoards.ca.gov</a>
County of San Diego	3 days prior if 100,000 gal and within 1/4 mile of ocean/bay	DEH: <a href="mailto:Joseph.Palmer@SDCounty.ca.gov">Joseph.Palmer@SDCounty.ca.gov</a> <a href="mailto:Dominique.Edwards@SDCounty.ca.gov">Dominique.Edwards@SDCounty.ca.gov</a>
	3 days prior if enter county MS4 or unincorporated County	WPP: <a href="mailto:Nicholas.DeValle@SDCounty.ca.gov">Nicholas.DeValle@SDCounty.ca.gov</a> <a href="mailto:LUEG.Watersheds@sdcounty.ca.gov">LUEG.Watersheds@sdcounty.ca.gov</a>

- 4) At a minimum, sweep gutters prior to starting discharge and use dechlorination BMPs. The contractor and RE must monitor and determine if BMPs need to be removed or modified. For example if inlet protection is causing flooding at a storm drain inlet, contractor may elect to remove BMPs. Document any modification to BMPs in the notes
- 5) Total volume must be logged for all discharges. If discharge water is reused for other purposes such as watering a golf course, log that volume under "Reused"
- 6) Sampling is required for categories per the following table:

Category	Measure	Sample Frequency
Superchlorinated	Chlorine, Turbidity, pH	first 10 min, 50-60 min, last 10 min
Large Volume	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min
Well Dev/Rehab	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min
Small Volume/Other	None required	N/A

- 7) Effluent limitations must be monitored not to exceed per the following table:

Measure	Method	Limit
Chlorine	Field Measure	0.10 mg/L-Cl
Turbidity	Visual Estimate	20 NTU for inland waters
		225 NTU for ocean 100 NTU for wells
pH	Field Measure	6.5 - 8.5

**APPENDIX H**  
**HAZARDOUS WASTE LABEL/FORMS**

# HAZARDOUS WASTE

STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL  
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY  
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY  
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES

GENERATOR NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ 24 HR. PHONE ( ) \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EPA ID NO. \_\_\_\_\_ MANIFEST DOCUMENT NO. \_\_\_\_\_

EPA WASTE NO. \_\_\_\_\_ CA WASTE NO. \_\_\_\_\_ ACCUMULATION START DATE \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_

CONTENTS, COMPOSITION \_\_\_\_\_

PROPER DOT SHIPPING NAME \_\_\_\_\_

TECHNICAL NAME (S) \_\_\_\_\_

UNNA NO. WITH PREFIX \_\_\_\_\_

PHYSICAL STATE    HAZARDOUS PROPERTIES     FLAMMABLE     TOXIC  
 SOLID    LIQUID    CORROSIVE     REACTIVE     OTHER \_\_\_\_\_

**HANDLE WITH CARE!**  
CONTAINS HAZARDOUS OR TOXIC WASTES

# INCIDENT/RELEASE ASSESSMENT FORM <sup>1</sup>

## If you have an emergency, Call 911

*Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).*

### Questions for Incident Assessment:

	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

\*Call 911 in an emergency\*

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

---

<sup>1</sup> This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

# NON REPORTABLE RELEASE INCIDENT FORM

## 1. RELEASE AND RESPONSE DESCRIPTION

Incident # \_\_\_\_\_

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

## 2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

## 3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT <sup>3</sup>
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT <sup>3</sup>
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT <sup>3</sup>
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

**EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM**

<b>A</b>	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER ( ) -	
<b>B</b>	INCIDENT DATE MO DAY YR	TIME NOTIFIED OES (use 24 hr time)	OES CONTROL NO.
<b>C</b>	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
<b>D</b>	CHEMICAL OR TRADE NAME (print or type)		CAS Number
<b>D</b>	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>	CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
<b>D</b>	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED
<b>D</b>	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES
<b>E</b>	ACTIONS TAKEN		
<b>F</b>	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)		
	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____		
	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____		
	<input type="checkbox"/> NOTKNOWN (explain) _____		
<b>G</b>	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
<b>H</b>	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
<b>I</b>	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.		
	REPORTING FACILITY REPRESENTATIVE (print or type) _____		
	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____		

## **EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS**

### **GENERAL INFORMATION:**

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

### **BASIC INSTRUCTIONS:**

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

### **SPECIFIC INSTRUCTIONS:**

**Block A:** Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

**Block B:** Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

**Block C:** Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

**Block D:** Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

**Block E:** Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

**Block F:** Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

**Block G:** Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

**Block H:** List any additional pertinent information.

**Block I:** Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

### **MAIL THE COMPLETED REPORT TO:**

**State Emergency Response Commission (SERC)  
Attn: Section 304 Reports  
Hazardous Materials Unit  
3650 Schriever Avenue  
Mather, CA 95655**

**NOTE:** Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

**APPENDIX I**  
**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 J

### PALEONTOLOGICAL CONSTRUCTION MONITORING REQUIREMENTS

# Paleontological Construction Monitoring Requirements

## PALEONTOLOGICAL MONITORING AND REPORTING PROGRAM (PMRP):

- I. **GENERAL REQUIREMENTS.** Post Plan Check (After permit issuance/Prior to start of construction).
  - A. **PRE CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.**
    1. The Contractor is responsible to arrange and perform this meeting by contacting the City Resident Engineer (RE)/Construction Manager (CM) of the Construction Management and Field Engineering (CMFE) Division and City staff from Mitigation Monitoring Coordination (MMC). Attendees shall also include the Contractor's representative(s), job site superintendent, and the paleontologist.
    2. NOTE: Failure of all responsible Contractor's representatives and paleontological monitor to attend the pre-construction meeting shall require an additional focused meeting with all parties present.
    3. CONTACT INFORMATION:
      - a) The primary point of contact is the RE/CM at the CMFE Division at 858-627-3200.
      - b) For clarification of environmental requirements, call the RE/CM and MMC at 858-627-3360.
  - B. **PMRP COMPLIANCE.**
    1. This Project shall conform to the City's paleontological monitoring requirements, as further specified below, in accordance with the City of San Diego's Land Development Code – Grading Regulations, Section 142.0151, and implemented to the satisfaction of MMC and RE/CM. The requirements shall not be reduced or changed but may be annotated (i.e. to explain when and how compliance is being met and location of verifying proof, etc.). Additional clarifying information may also be added to other relevant plan sheets and/or specifications as appropriate (i.e., specific locations, times of monitoring, methodology, etc).
    2. NOTE: Contractor shall alert RE/CM and MMC if there are any discrepancies in the plans or notes, or any changes due to field conditions. All conflicts shall be approved by RE/CM and MMC before the Work is performed.
  - C. **MONITORING EXHIBIT.**
    1. Contractor is required to submit, to RE/CM and MMC, a paleontological monitoring exhibit on a 11 x 17 inch reduction of the appropriate construction plan, such as site plan, grading, landscape, etc., marked to clearly show the Limits of Work, scope of that discipline's work (i.e. delineation showing work area(s) requiring paleontological monitoring), and notes indicating when in the construction schedule that work will be performed. When necessary for

clarification, a detailed methodology of how the work will be performed shall be included.

**D. OTHER SUBMITTALS AND INSPECTIONS.**

1. The Contractor or Engineering and Capital Projects Department’s consultant (if applicable) shall submit all required documentation, verification letters, and requests for all associated inspections to the RE/CM and MMC for approval per the following schedule:

**DOCUMENT SUBMITTAL/INSPECTION CHECKLIST:**

<b>ISSUE AREA</b>	<b>DOCUMENT SUBMITTAL</b>	<b>ASSOCIATED INSPECTION, APPROVALS, NOTES</b>
Paleontology	Principal Investigator & Paleontological Monitors Qualification Letters	Prior to Pre-Construction Meeting
Paleontology	Site-Specific Records Search	Prior to Pre-Construction Meeting
Paleontology	Paleontological Monitoring Exhibit	Prior to, or at, the Pre-Construction Meeting
Paleontology	Letter of Acknowledgement of Responsibility for Curation	Prior to the Pre-Construction Meeting
Paleontology	Construction Schedule (Monitoring)	Prior to Construction
Paleontology	Paleontology Reports	Paleontology Observation
Final PMRP		Final PMRP Inspection

**SPECIFIC PMRP ISSUE AREA CONDITIONS/REQUIREMENTS:**

**I. PALEONTOLOGICAL RESOURCES.**

**A. Prior to Permit Issuance or Construction.**

1. **Letters of Qualification have been submitted to MMC.**
  - a) Prior to the pre-construction meeting, Engineering and Capital Projects Department shall submit a letter of verification to MMC identifying the Principal Investigator (PI) for the project and the names of all persons involved in the paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.

- b) MMC will provide a letter to Engineering and Capital Projects Department confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
- c) Prior to the start of work, Engineering and Capital Projects Department shall obtain approval from MMC for any personnel changes associated with the monitoring program.

**B. Prior to Start of Construction.**

**1. Verification of Records Search.**

- a) The PI shall provide verification to MMC that a site-specific records search has been completed. Verification includes, but is not limited to a copy of a confirmation letter from San Diego Natural History Museum, other institution or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
- b) The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.

**C. PI Shall Attend Pre-Construction Meetings.**

- 1. Prior to beginning any work that requires monitoring, the City or City's representative shall arrange a pre-construction meeting that shall include the PI, Grading Contractor, RE/CM, Building Inspector (BI), if appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related pre-construction meetings to make comments and/or suggestions concerning the Paleontological Monitoring Program with the RE/CM and/or BI and Grading Contractor.
  - a) If the PI is unable to attend the pre-construction meeting, the Contractor, or Engineering and Capital Projects Department's consultant (if applicable), shall schedule a focused pre-construction meeting with MMC, PI, and RE/CM or BI, if appropriate, prior to the start of any work that requires monitoring.
- 2. Acknowledgement of Responsibility for Curation (Capital Improvement Program Project or Other Public Projects).
  - a) The Contractor, or Engineering and Capital Projects Department's consultant (if applicable), shall submit a letter to MMC, RE/CM and/or BI acknowledging their responsibility for the cost of curation associated with all phases of the paleontological monitoring program.
- 3. Identify Areas to be Monitored.
  - a) Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17 inch) to MMC and RE/CM and/or BI for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or

as determined by the PI in consultation with MMC. The determination shall be based on site-specific records search data which supports monitoring at depths less than ten feet. The PME shall be based on the results of a site-specific records search as well as information regarding existing known soil conditions (native or formation). MMC shall notify the PI that the PME has been approved prior to commencing with any ground-disturbing activities.

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/CM and/or BI indicating when and where monitoring will occur.
  - b) The PI may submit a detailed letter to MMC and RE/CM and/or BI 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 depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.
5. Approval of PME and Construction Schedule.
  - a) After approval of the PME by MMC, the PI shall submit to MMC and RE/CM and/or BI written authorization of the PME and Construction Schedule from the Contractor.

**D. During Construction.**

1. The Monitor shall be present during Grading/Excavation/Trenching.
  - a) The paleontological monitor shall be present full-time during grading/excavation/trenching activities including, but not limited to, mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity.
  - b) The Contractor is responsible for notifying the RE/CM and/or BI, 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 PME.
  - c) The PI may submit a detailed letter to MMC and RE/CM and/or BI during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.

- d) The paleontological monitor shall document field activity via the Consultant Site Visit Record (CSV). The CSV shall be emailed and/or provided hard copy by the Contractor or Engineering and Capital Projects Department's consultant (if applicable) to the RE/CM and/or BI the first day of monitoring, the last day of monitoring, monthly (Notification of Monitoring Completion), and in the case of ANY discoveries. The RE/CM and/or BI shall forward copies to MMC.
2. Discovery Notification Process.
    - a) In the event of a discovery, the paleontological monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery and immediately notify the RE/CM and/or BI, as appropriate.
    - b) The paleontological monitor shall immediately notify the PI (unless paleontological monitor is the PI) of the discovery.
    - c) The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC and RE/CM and/or BI within 24 hours by fax or email with photos of the resource in context, if possible.
  3. Determination of Significance.
    - a) The PI shall evaluate the significance of the resource.
      - i. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC and RE/CM and/or BI indicating whether mitigation is required. The determination of significance for fossil discoveries shall be at the discretion of the PI.
      - ii. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC and/or RE/CM and/or BI. PRP and any mitigation must be approved by MMC and RE/CM and/or BI before ground-disturbing activities in the area of discovery will be allowed to resume.
        - Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under item 4, "Discovery Process for Significant Resources - Pipeline Trenching Projects".
      - iii. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.

- iv. The PI shall submit a letter to MMC and RE/CM and/or BI indicating that fossil resources will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
    - Note: For pipeline trenching projects only, if the fossil discovery is limited in size, both in length and depth; the information value is limited and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.
    - Note: For pipeline trenching projects only, if significance cannot be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.
4. Discovery Process for Significant Resources - Pipeline Trenching Projects.
- a) Procedures for Documentation, Curation and Reporting. The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance.
    - i. One hundred percent of the fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact and so documented.
    - ii. The PI shall prepare a Draft Paleontological Monitoring Report and submit to MMC via the RE/CM and/or BI as indicated in **Section F - Post Construction**.
    - iii. The PI shall be responsible for recording (on the appropriate forms for the San Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the PMRP. The forms shall be submitted to the San Diego Natural History Museum and included in the Final Paleontological Monitoring Report.
    - iv. The Final Paleontological Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

## **E. Night and/or Weekend Work.**

1. If night and/or weekend work is included in the contract:
  - a) When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the pre-construction meeting. The following procedures shall be followed:
    - i. 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 the RE/CM and/or BI via email or in person by 8AM on the next business day.
    - ii. Discoveries - All discoveries shall be processed and documented using the existing procedures detailed in **Section D - During Construction**.
    - iii. Potentially Significant Discoveries - If the PI determines that a potentially significant discovery has been made, the procedures detailed under **Section D - During Construction** shall be followed.
  - b) The PI shall immediately contact the RE/CM and/or BI and MMC, or by 8AM on the next business day, to report and discuss the findings as indicated in **Section D - During Construction**, unless other specific arrangements have been made.
2. If night and/or weekend work becomes necessary during the course of construction:
  - a) The Contractor shall notify the RE/CM and/or BI a minimum of 24 hours before the work is to begin.
  - b) The RE/CM and/or BI, as appropriate, shall notify MMC immediately.
3. All other procedures described above shall apply, as appropriate.

## **F. Post Construction.**

1. Preparation and Submittal of Draft Paleontological Monitoring Report.
  - a) The PI shall submit two copies of the Draft Paleontological Monitoring Report (even if negative), prepared to the satisfaction of MMC, which describes the methods, results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE/CM and/or BI for review and approval within 90 calendar days following the completion of monitoring.
    - i. For significant or potentially significant paleontological resources encountered during monitoring, as identified by the PI, the Paleontological Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - ii. The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program

in accordance with the PMRP, and submittal of such forms to the San Diego Natural History Museum with the Final Monitoring Report.

- b) MMC shall return the Draft Monitoring Report to the PI via the RE/CM and/or BI for revision or, for preparation of the Final Report.
- c) The PI shall submit revised Draft Monitoring Report to MMC via the RE/CM and/or BI for approval.
- d) MMC shall provide written verification to the PI and RE/CM and/or BI of the approved report.

2. Handling of Fossil Remains.

- a) The PI shall ensure that all fossils collected are cleaned to the point of curation (e.g., removal of extraneous sediment, repair of broken specimens, and consolidation of fragile/brittle specimens) and catalogued as part of the Paleontological Monitoring Program.
- b) The PI shall ensure that all fossils are analyzed to identify stratigraphic provenance, geochronology, and taphonomic context of the source geologic deposit; that faunal material is taxonomically identified; and that curation has been completed, as appropriate.

3. Curation of Fossil Remains: Deed of Gift and Acceptance Verification.

- a) The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an accredited institution that maintains paleontological collections (such as the San Diego Natural History Museum).
- b) The PI shall submit the Deed of Gift and catalogue record(s) to the RE/CM and/or BI, as appropriate for donor signature with a copy submitted to MMC.
- c) The RE/CM and/or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.
- d) The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE/CM and/or BI and MMC.

4. Final Paleontological Monitoring Report(s).

- a) The PI shall submit two copies of the Final Paleontological Monitoring Report to MMC (even if negative), within 90 calendar days after notification from MMC of the approved report.
- b) The RE/CM and/or BI 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.

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



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



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

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- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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• 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

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

This information is available in alternative formats upon request.

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

This information is available in alternative formats upon request.

## APPENDIX L

### ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

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

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 402-2, "Protection", of the 2021 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**



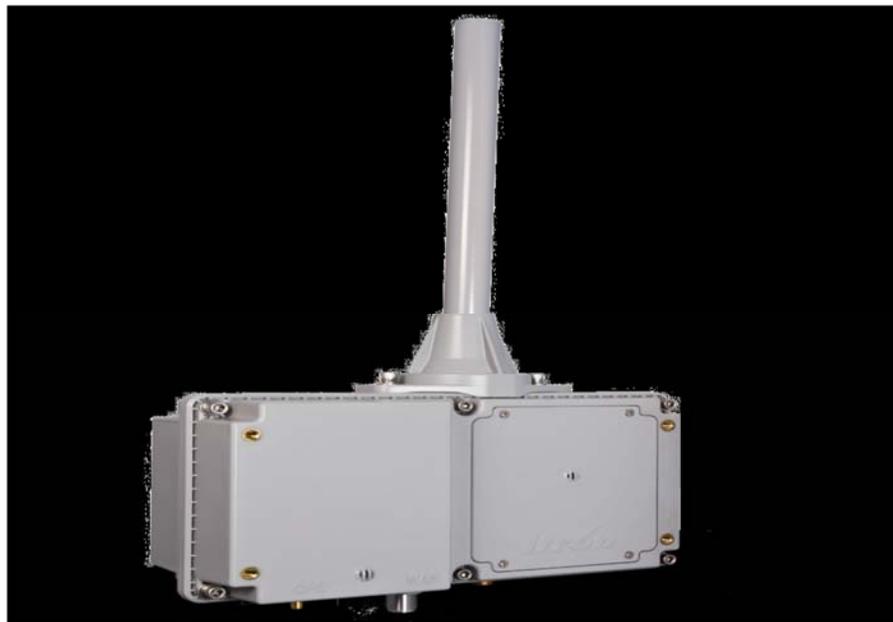
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:



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Network Devices, see Photo 3:

**Photo 3**



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

**Photo 4**



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

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

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

**Photo 5**

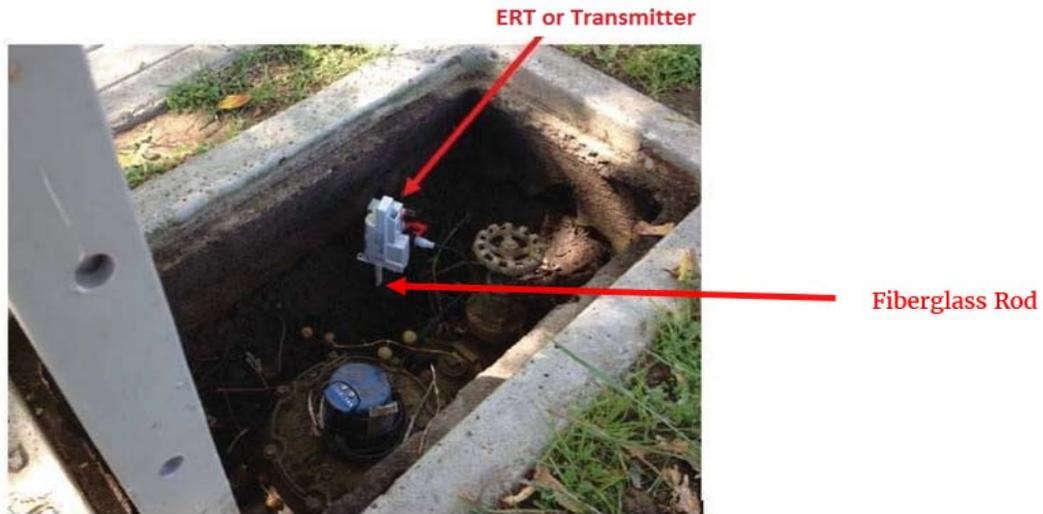


Photo 6 below is an example of disturbance that shall be avoided:

**Photo 6**



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

**Photo 7**



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

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

**Photo 8**



**Network Device**

**Photo 9**



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

## APPENDIX M

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







**ATTACHMENT F**

**RESERVED**

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

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

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**CONSTRUCTION CONTRACT**

This Phase-Funded contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Burtech Pipeline Incorporated, herein called "Contractor" for construction of **AC Water & Sewer Group 1050**; Bid No. **K-22-2088-DBB-3**; in the total amount **Twelve Million Five Hundred Twenty Six Thousand Two Hundred Seventy Eight Dollars and Fifty Four Cents (\$12,526,278.54)**, which is comprised of the Base Bid plus Additive Alternate A, Additive Alternate B, Additive Alternate E (Jackson Dr.), Additive Alternate E (Navajo Rd), and Additive Alternate E (Park Ridge Bl), consisting of an amount not to exceed \$5,825,856.99 for Phase 1; \$3,668,000.00 for Phase 2 and \$3,032,421.55 for Phase 3.

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 **AC Water & Sewer Group 1050**, on file in the office of the City Clerks as Document No. **B-18090, B-18094**, as well as all matters referenced therein.
2. The City wishes to construct this Project on a Phase-Funded basis. In accordance with Whitebook section 7-3.10, the City is only obligated to pay for Phase I; Contractor cannot begin, nor is the City financially liable for any additional Phases, unless and until Contractor is issued a Notice to Proceed for each additional Phase by the City.
3. 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 **AC Water & Sewer Group 1050**, Bid Number **K-22-2088-DBB-3**, San Diego, California.
4. 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).

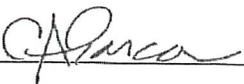
**CONTRACT AGREEMENT (continued)**

5. 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.
6. 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.

**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: Claudia C. Abarca  
Director  
Purchasing and Contracting Department

Print Name: Melissa Ables  
Deputy City Attorney

Date: June 1, 2022

Date: 6/21/2022

**CONTRACTOR**

By  

Print Name: Dominic J. Burtech

Title: President & CEO

Date: May 31, 2022

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

## 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

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### COVID-19 VACCINATION ORDINANCE

#### CERTIFICATION OF COMPLIANCE

I hereby certify that I am familiar with the requirements of San Diego Ordinance No. O-21398 implementing the City's Mandatory COVID-19 Vaccination Policy.

#### TERMS OF COMPLIANCE

The City's Mandatory COVID-19 Vaccination Policy, outlined in San Diego Ordinance O-21398 (Nov. 29, 2021), requires ALL City contractors, who interact in close contact with City employees while providing contracted services indoors in City facilities or while performing bargaining unit work while indoors, to be fully vaccinated against COVID-19, effective January 3, 2022, as a condition for provision or continued provision of contracted services.

1. "City contractor" means a person who has contracted with the City of San Diego to provide public works, goods, services, franchise, or consultant services for or on behalf of the City, and includes a subcontractor, vendor, franchisee, consultant, or any of their respective officers, directors, shareholders, partners, managers, employees, or other individuals associated with the contractor, subcontractor, consultant, or vendor. "Person" means any natural person, firm, joint venture, joint stock company, partnership, association, club, company, corporation business trust or organization.
2. "Fully vaccinated" means a person has received, at least 14 days prior, either the second dose in a two-dose COVID-19 vaccine series or a single-dose COVID-19 vaccine, or otherwise meets the criteria for full vaccination against COVID-19 as stated in applicable public health guidance, orders, or law. Acceptable COVID-19 vaccines must be approved by the U.S. Food and Drug Administration (FDA) or authorized for emergency use by the FDA or the World Health Organization.
3. "Close contact" means a City contractor is **within 6 feet** of a City employee for a **cumulative total of 15 minutes or more over a 24-hour period** (for example, three individual 5-minute exposures for a total of 15 minutes).
4. City contractors who interact in close contact with City employees must fully comply with the City's Mandatory COVID-19 Vaccination Policy, which may include a reporting program that tracks employee vaccination status.
5. City contractors with employees or subcontractors who interact in close contact with City employees must certify that those members of their workforce, and subcontractors regardless of tier, who work indoors at a City facility, are fully vaccinated and that the City contractor has a program to track employee compliance.
6. City contractors that have an Occupational Safety and Health Administration compliant testing program for members of their workforce, as a reasonable accommodation, may be considered for compliance.

Non-compliance with the City's Mandatory COVID-19 Vaccination Policy may result in termination of a contract for cause, pursuant to the City's General Terms and Provisions, Reference Standards, and the San Diego Municipal Code.

## CONTRACTOR CERTIFICATION

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### 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**

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### **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**

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### **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.

## **CONTRACTOR CERTIFICATION**

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### **PRODUCT ENDORSEMENT**

I declare under penalty of perjury that I acknowledge and agree to comply with the provisions of City of San Diego Administrative Regulation 95.65, concerning product endorsement. Any advertisement identifying or referring to the City as the user of a product or service requires the prior written approval of the City.

**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:

**AC Water & Sewer Group 1050**

(Project Title)

as particularly described in said contract and identified as Bid No. **K-22-2088-DBB-3**; SAP No. (WBS) **B-18090, B-18094**; 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 – General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- |   |        |  |         |
|---|--------|--|---------|
| Certified Minority Business Enterprise        | MBE    | Certified Woman Business Enterprise            | WBE     |
| Certified Disadvantaged Business Enterprise   | DBE    | Certified Disabled Veteran Business Enterprise | DVBE    |
| Other Business Enterprise                     | OBE    | Certified Emerging Local Business Enterprise   | ELBE    |
| Certified Small Local Business Enterprise     | SLBE   | Small Disadvantaged Business                   | SDB     |
| Woman-Owned Small Business                    | WoSB   | HUBZone Business                               | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB |  |         |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- |  |        |  |          |
|--|--------|--|----------|
| City of San Diego                                    | CITY   | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission               | CPUC   |  |          |
| State of California's Department of General Services | CADoGS | City of Los Angeles                              | LA       |
| State of California                                  | CA     | U.S. Small Business Administration               | SBA      |

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

**NAMED EQUIPMENT/MATERIAL SUPPLIER LIST**

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

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

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

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

## **ELECTRONICALLY SUBMITTED FORMS**

**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. SUBCONTRACTOR LISTING FOR ALTERNATE ITEMS**
- D. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- F. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**
- G. Contractor’s Experience and Past Project Documentation per 2021 WB Section 500-2.1, “Initial Submittals”. ITEM 1, a.**
- H. Manufacturer Authorized Installer Certification per 2021 WB Section 500-2.1, “Initial Submittals”. ITEM 1, b.**

**BID BOND**

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

KNOW ALL MEN BY THESE PRESENTS,

That BURTECH PIPELINE, INCORPORATED as Principal,  
and NATIONWIDE 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

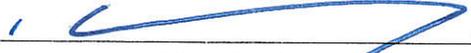
AC WATER & SEWER GROUP 1050

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 5TH day of APRIL, 2022

BURTECH PIPELINE, INCORPORATED (SEAL)  
(Principal)

NATIONWIDE  
MUTUAL INSURANCE COMPANY (SEAL)  
(Surety)

By:   
(Signature)

By:   
(Signature)

DOMINIC J. BURTECH, JR. PRESIDENT

MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

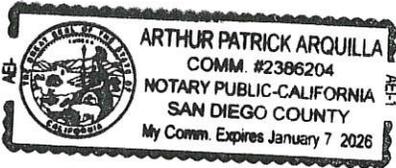
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of San Diego )  
On 4/18/22 before me, Arthur Patrick Arquilla, Notary Public  
Date Here Insert Name and Title of the Officer  
Personally appeared Dominic Burtch  
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's Name \_\_\_\_\_  
 Corporate Officer—Title(s) \_\_\_\_\_  
 Partner  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other \_\_\_\_\_

Signer Is Representing \_\_\_\_\_

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 }  
County of SAN DIEGO

On 4/5/2022 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*  
personally appeared MARK D. IATAROLA  
*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 Tracy Lynn Rodriguez  
*Signature of Notary Public*

Place Notary Seal and/or Stamp Above

**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: MARK D. IATAROLA

Corporate Officer – Title(s): \_\_\_\_\_

Partner –  Limited  General

Individual  Attorney in Fact

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

Corporate Officer – Title(s): \_\_\_\_\_

Partner –  Limited  General

Individual  Attorney in Fact

Trustee  Guardian of Conservator

Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS THAT:

Nationwide Mutual Insurance Company, an Ohio corporation

hereinafter referred to severally as the "Company" and collectively as "the Companies" does hereby make, constitute and appoint:

JOHN MALONEY; HELEN MALONEY; MARK DIATAROLA; SANDRA FIGUEROA;

each in their individual capacity, its true and lawful attorney-in-fact, with full power and authority to sign, seal, and execute on its behalf any and all bonds and undertakings, and other obligatory instruments of similar nature, in penalties not exceeding the sum of

UNLIMITED

and to bind the Company thereby, as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Company; and all acts of said Attorney pursuant to the authority given are hereby ratified and confirmed.

This power of attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the board of directors of the Company:

"RESOLVED, that the president, or any vice president be, and each hereby is, authorized and empowered to appoint attorneys-in-fact of the Company, and to authorize them to execute and deliver on behalf of the Company any and all bonds, forms, applications, memorandums, undertakings, recognizances, transfers, contracts of indemnity, policies, contracts guaranteeing the fidelity of persons holding positions of public or private trust, and other writings obligatory in nature that the business of the Company may require; and to modify or revoke, with or without cause, any such appointment or authority; provided, however, that the authority granted hereby shall in no way limit the authority of other duly authorized agents to sign and countersign any of said documents on behalf of the Company."

"RESOLVED FURTHER, that such attorneys-in-fact shall have full power and authority to execute and deliver any and all such documents and to bind the Company subject to the terms and limitations of the power of attorney issued to them, and to affix the seal of the Company thereto; provided, however, that said seal shall not be necessary for the validity of any such documents."

This power of attorney is signed and sealed under and by the following bylaws duly adopted by the board of directors of the Company.

Execution of Instruments. Any vice president, any assistant secretary or any assistant treasurer shall have the power and authority to sign or attest all approved documents, instruments, contracts, or other papers in connection with the operation of the business of the company in addition to the chairman of the board, the chief executive officer, president, treasurer or secretary; provided, however, the signature of any of them may be printed, engraved, or stamped on any approved document, contract, instrument, or other papers of the Company.

IN WITNESS WHEREOF, the Company has caused this instrument to be sealed and duly attested by the signature of its officer the 20th day of August, 2021.

*[Handwritten Signature]*

Antonio C. Albanese, Vice President of Nationwide Mutual Insurance Company

ACKNOWLEDGMENT

STATE OF NEW YORK COUNTY OF NEW YORK: ss

On this 20th day of August, 2021, before me came the above-named officer for the Company aforesaid, to me personally known to be the officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, deposes and says, that he is the officer of the Company aforesaid, that the seal affixed hereto is the corporate seal of said Company, and the said corporate seal and his signature were duly affixed and subscribed to said instrument by the authority and direction of said Company.



Stephanie Rubino McArthur  
Notary Public, State of New York  
No. 02MC6270117  
Qualified in New York County  
Commission Expires October 19, 2024

*[Handwritten Signature]*

Notary Public  
My Commission Expires  
October 19, 2024

CERTIFICATE

I, Laura B. Guy, Assistant Secretary of the Company, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney issued by the Company; that the resolution included therein is a true and correct transcript from the minutes of the meetings of the boards of directors and the same has not been revoked or amended in any manner; that said Antonio C. Albanese was on the date of the execution of the foregoing power of attorney the duly elected officer of the Company, and the corporate seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority of said board of directors; and the foregoing power of attorney is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of said Company this 5TH day of APRIL, 2022.

*[Handwritten Signature]*

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.

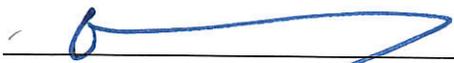
CHECK ONE BOX ONLY.

- 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: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO  
Name

  
Signature Date 4/19/2022

**USE ADDITIONAL FORMS AS NECESSARY**

**SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE**  
**\*\*\* FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES \*\*\***  
**(Use Additional Sheets As Needed)**

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Additive Alternate C	Name: <u>California Asphalt Paving &amp; Grading</u> Address: <u>1220 Bolinas Bay Ct</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91913</u> Phone: <u>619-890-0826</u> Email: <u>capavingandgrading@gmail.com</u>	Constructor	1000062521	1033358	Item #102 Asphalt Concrete Overlay Item #105 Cold Mill AC Pavement	\$889,592.60	ELBE	City	
Additive Alternate C	Name: <u>Miramar General Engineering</u> Address: <u>1827 Cleveland Ave.,</u> City: <u>National City</u> State: <u>CA</u> Zip: <u>91950</u> Phone: <u>619-434-5900</u> Email: <u>alex@miramargeneral.com</u>	Constructor	1000033057	1009541	Item#103 Cross Gutter	\$199,500.00	SLBE	City	
Deductive Alternate D	Name: <u>Roy Allan Slurry Seal</u> Address: <u>11922 Bloomfied Ave.</u> City: <u>Santa Fe Springs</u> State: <u>CA</u> Zip: <u>90670</u> Phone: <u>562-864-3363</u> Email: <u>lawrence@raslurry.com</u>	Constructor	1000001156	372798	RPMS Item # 106, 107 & 108	(\$340,999.50)			

- 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.**

**SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE**  
**\*\*\* FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES \*\*\***  
**(Use Additional Sheets As Needed)**

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Additive Alternate E Jackson Dr	Name: <u>Payco Specialties, Inc.</u> Address: <u>120 N Second Avenue</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-422-9204</u> Email: <u>jeremy@payco.biz</u>	Constructor	1000003515	298637	Striping & Pavement Markings	\$5,431.90 Items 112 to 117	SLBE	City	
Additive Alternate E Navajo Rd	Name: <u>Payco Specialties, Inc.</u> Address: <u>120 N Second Avenue</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-422-9204</u> Email: <u>jeremy@payco.biz</u>	Constructor	1000003515	298637	Striping & Pavement Markings	\$23,370.00 Items 119 to 126	SLBE	City	
Additive Alternate E Park Ridge Bl	Name: <u>Payco Specialties, Inc.</u> Address: <u>120 N Second Avenue</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-422-9204</u> Email: <u>jeremy@payco.biz</u>	Constructor	1000003515	298637	Striping & Pavement Markings	\$1,985.45 Items 128 to 129	SLBE	City	

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

## SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

\*\*\* FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES \*\*\*

(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Deductive Alternate D	Name: <u>California Asphalt Paving &amp; Grading</u> Address: <u>1220 Bolinas Bay Ct</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91913</u> Phone: <u>619-890-0826</u> Email: <u>capavingandgrading@gmail.com</u>	Constructor	1000062521	1033358	Asphalt Pavement Repair Item #110	(\$29,948.94)	ELBE	City	
Deductive Alternate D	Name: <u>MD Rubberized Crackfill</u> Address: <u>32 Rancho Circle</u> City: <u>Lake Forest,</u> State: <u>CA</u> Zip: <u>92630</u> Phone: <u>949-273-6130</u> Email: <u>mdcrackfill@gmail.com</u>	Constructor	1000006438	986686	Crack Seal Item # 109	(\$34,640.96)			
	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.**

**Mandatory Disclosure of Business Interests Form  
 BIDDER/PROPOSER INFORMATION**

<b>Legal Name</b>		<b>DBA</b>	
Burtech Pipeline, Incorporated			
<b>Street Address</b>	<b>City</b>	<b>State</b>	<b>Zip</b>
102 Second St.	Encinitas	CA	92024
<b>Contact Person, Title</b>		<b>Phone</b>	<b>Fax</b>
Buddy Aquino - Chief Estimator		(760) 634-2822	(760) 634-2415

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.

<b>Name</b>	<b>Title/Position</b>
Dominic J. Burtech	President & CEO
<b>City and State of Residence</b>	<b>Employer (if different than Bidder/Proposer)</b>
Encinitas, CA	
<b>Interest in the transaction</b>	
51%	

<b>Name</b>	<b>Title/Position</b>
Julie J. Burtech	Exec. VP & Secretary
<b>City and State of Residence</b>	<b>Employer (if different than Bidder/Proposer)</b>
Encinitas, CA	
<b>Interest in the transaction</b>	
49%	

**\* 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.

Dominic J. Burtech - President & CEO

✓ 

4/19/2022

Print Name, Title

Signature

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**

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

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s).

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

NAME	TITLE
Dominic J. Burtech	President & CEO
Julie J. Burtech	Exec. VP & Secretary

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

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

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

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

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

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name

✓  Date 4/19/2022

Signature

**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
Code 3 Media	
Chris Marquart	Sole Proprietor/Owner

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Zebtron Contracting, Inc.	
Roger Decker	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Soclaris Contracting	
Sonny Rosenal	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Piperin Corporation	
Craig Barry	President

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name



Date 4/19/2022

Signature

**\*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**

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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Meridian Archaeological Services & Research	
Jose "Pepe" Aguilar	Principal Investigator

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
McGrath Holdings, Inc DBA McGrath Consulting	
Michael W. McGrath	President/Owner

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
NuLine Technologies, LLC	
Frank Durazo	Partner
Dominic & Julie Burtech	Partners
Salvador Aquino	Partner

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
DB Pipeline, Inc.	
Dominic Burtech III	President & CEO

Contractor Name: Burtech Pipeline, Incorporated

Certified By Dominic J. Burtech Title President & CEO

Name



Date 4/19/2022

Signature

**\*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)

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
California Asphalt Paving & Grading	
Christopher Vasquez	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Jerusalem Construction DBA Miramar General	Engineering
Ala Mohammad (Alex) Karaja	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
REC Trucking, Inc.	
Rafael Teran	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Busby Biological Services	
Melissa Busby	Owner/Principal Biologist

Contractor Name:   Burtech Pipeline, Incorporated  

Certified By   Dominic J. Burtech   Title   President & CEO  

Name

✓      Date   4/19/2022  

Signature

**\*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)

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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Payco Specialties, Inc.	
Rebecca Llewelyn	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
MD Rubberized Crackfill, LLC	
Daniel Thomas Maas	Regional Managing Manager
Mark William Winn	Member

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE
Roy Allan Slurry Seal	
Lawrence Allan	President

SUBCONTRACTOR                       SUPPLIER                       MANUFACTURER

NAME	TITLE

Contractor Name: Burtech Pipeline, Incorporated

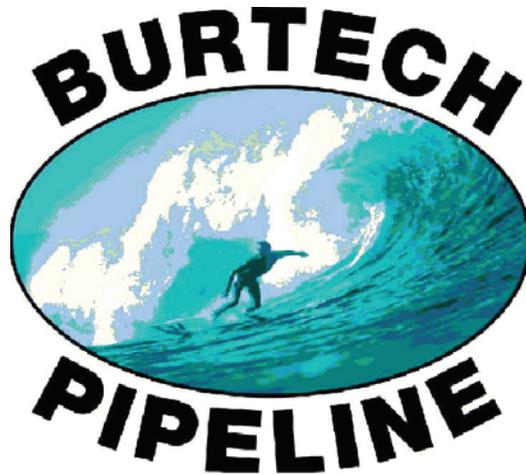
Certified By Dominic J. Burtech Title President & CEO

Name

✓  Date 4/19/2022

Signature

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



Serving San Diego County's Pipeline Needs for Over 16 Years



**Our Mission:**

Our goal is to create total customer satisfaction to ensure long term success for our employees, our company and the work we represent through continued improvement in our commitment to excellence, integrity and team work.

We strive to implement a long term relationship with our customers based on safety, quality of work, timely service and anticipation of their needs.

We take pride in completing jobs in a timely and efficient manner with the utmost integrity.

We continuously strive to have strength, courage, compassion and to be a leader. We endeavor to have the will to be all we can be to our customers, our peers and ourselves; to be proud of the service and quality of work we provide for our customers; to be proud of whom we are, the team, "Burtech Pipeline."

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102 Second St., Encinitas, Ca 92024

Phone: (760) 634-2822

Fax: (760) 634-2415

Class A Contracting License; #718202

[www.burtechpipeline.com](http://www.burtechpipeline.com)



## BURTECH PIPELINE, INC.

Burtech Pipeline Incorporated is a Privately-held California Corporation founded in 1995 by Dominic and Julie Burtech. Dominic Burtech, President and Chief Executive Officer, has over twenty-five years of experience in all phases of underground construction. Through years of dedication and hard work, he has turned this company into a competitive general contractor that continues to thrive today.



At Burtech Pipeline, we accomplish our jobs through teamwork. Our teamwork relies upon our communication as well as the hard work that each individual puts in to their specific assignment so that when combined our jobs are completed accurately, on time and within budget. Our superintendent has over thirty-four years of experience in



both the private and public sectors of underground construction. Along with our Chief Estimator and Project Manager, Burtech Pipeline has completed over 150 public and private projects in the last 5 years within the greater county of San Diego.



## BURTECH PIPELINE, INC.

Burtech Pipeline is experienced in both private and public civil engineering projects. Our main areas of focus include the following:

- Sewer Main Installation / Replacement
- Water Main Installation / Replacement
- Storm Drain Installation / Replacement
- Sewer Rehabilitation
- Sewer Lateral Rehab
- Sewer Ejector Pumps Installation
- Storm Drain Detention Systems Installation
- Fire Water Service Lines Installation



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### Past and Present Clients Include:

- City of San Diego
- County of San Diego
- Shea Homes
- Brookfield Homes
- Helix Water District
- Olivenhain Municipal Water District



## BURTECH PIPELINE, INC.

**We are proud of and stand by our mission statement:**

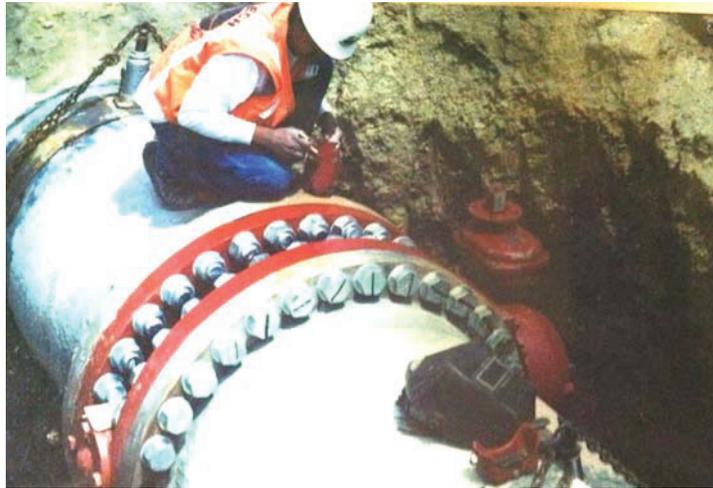
“Our goal is to create total customer satisfaction to ensure long term success for our employees, our company and the work we represent through continued improvement in our commitment to excellence, integrity and team work.

We strive to implement a long term relationship with our customers based on safety, quality of work, timely service and anticipation of their needs.

We take pride in completing jobs in a timely and efficient manner with the utmost integrity.

We continuously strive to have strength, courage, compassion and to be a leader. We endeavor to have the will to be all we can be to our customers, our peers and ourselves; to be proud of the service and quality of work we provide for our customers; to be proud of whom we are, the team, “Burtech Pipeline.”

**The team here at Burtech Pipeline is confident that we can complete any of your underground project needs and look forward to doing business with you in the future!**



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102 Second St., Encinitas, Ca 92024

Phone: (760) 634-2822

Fax: (760) 634-2415

Class A Contracting License; #718202

[www.burtechpipeline.com](http://www.burtechpipeline.com)



**BURTECH PIPELINE INC.**  
 102 2nd Street,  
 Encinitas, CA 92024

## MAIN & LATERAL LINING PROJECT REFERENCES

Job Name	Owner	Contact	Contract Amount	Footage Lined	Date Completed
<b>Pipeline Rehabilitation AC-1</b> Skyline Dr. & S. Lausanne Dr (8" Sewer Main Rehabilitation)	<b>City of San Diego</b> 9573 Chesapeake Drive, San Diego, CA 92123	<b>Lan Nguyen</b> (619) 980-2824	\$ 3,610,664.43	40,108	3/7/2019
<b>Pipeline Rehabilitation Z-1</b> Skyline-Paradise Hills/Encanto Neighb. (8" Sewer Main Rehabilitation)	<b>City of San Diego</b> 9573 Chesapeake Drive, San Diego, CA 92123	<b>Dave Engel</b> (619) 549-5451	\$ 1,249,268.43	13,504	12/15/2017
<b>Pipeline Rehab F-2 (Laterals)</b> Various Locations City of San Diego (2,086 Ea of Lateral Lining & Hats)	<b>City of San Diego</b> 9573 Chesapeake Drive, San Diego, CA 92123	<b>Ryan Reed</b> (619) 980-1201	\$ 4,321,475.08	2,086	1/1/2017
<b>Sewer &amp; Water Group 799</b> (6" CIPP Rehabilitation of existing VCP Sewer Mains in the Canyon)	<b>City of San Diego</b> 1200 Third Avenue, Suite 200, San Diego, CA 92101	<b>Ha Nguyen</b> (619) 990-4038	\$ 4,493,956.19	1,236	12/16/2016
<b>2016 Sewer Main CIPP Rehabilitation</b> Yorba Linda (8" Sewer Main Rehabilitation)	<b>Yorba Linda Water District</b> 1717 E. Miraloma Avenue, Placentia, CA 92870	<b>Alex Thomas</b> (714) 701-3115	\$ 248,153.76	3,409	8/31/2016
<b>Pipeline Rehabilitation S-1</b> (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	<b>City of San Diego</b> 1010 Second Ave. Ste. 1400, San Diego, CA 92101	<b>Clem Wassenberg</b> (619) 218-8404 <a href="mailto:Cwassenberg@sanidiego.gov">Cwassenberg@sanidiego.gov</a>	\$ 4,036,961.11	60,888	7/6/2016
<b>Pipeline Rehabilitation M-1</b> (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	<b>City of San Diego</b> 1200 Third Avenue, Suite 200, San Diego, CA 92101	<b>Reagan Owen</b> (619) 533-5205 <a href="mailto:Rowen@sanidiego.gov">Rowen@sanidiego.gov</a>	\$ 2,794,787.28	38,922	6/30/2016
<b>Backbay Drive Storm Drain Rehab</b> (CIPP Lining of approx. 1948 Lf of exist. SD between 12" to 42" Dia.)	<b>City of New Port Beach</b> PWD, 100 Civic Center Drive, Bay D, 2F New Port Beach, CA 92660	<b>Peter Tauscher</b> (949) 644-3316 <a href="mailto:ptauscher@newportbeachca.gov">ptauscher@newportbeachca.gov</a>	\$ 409,378.88	1,948	5/6/2016
<b>Sewer Group Job 833</b> (CIPP Lining of approx. 3857 Lf of 6", 8" and 10" Caly Sewer Mains)	<b>City of San Diego</b> 1010 Second Ave. Ste. 1400, San Diego, CA 92101	<b>Ramin Hatam</b> (858) 495-7845 <a href="mailto:Rhatam@sanidiego.gov">Rhatam@sanidiego.gov</a>	\$ 444,591.30	3,857	4/20/2016
<b>Pipeline Rehabilitation W-1</b> (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	<b>City of San Diego</b> 1010 Second Ave. Ste. 1400, San Diego, CA 92101	<b>Scott Reilly</b> (760) 310-9816 <a href="mailto:sreilly@rbrady.net">sreilly@rbrady.net</a>	\$ 2,168,505.55	31,174	2/5/2016
<b>Batiquitos Force Mains, B1 &amp; B2</b> (CIPP Lining of 383 Lf of 21" Trunk Sewer under railroad crossings)	<b>Leucadia Wastewater District</b> 1960 La Costa Avenue, Carlsbad, CA 92009	<b>Robin Morishita</b> (760) 753-0155 <a href="mailto:rmorishita@lwwd.org">rmorishita@lwwd.org</a>	\$ 4,686,123.45	383	11/16/2015
<b>Pipeline Rehabilitation X-1</b> (8"-15" Sewer Main CIPP Rehab and 4" Sewer Lateral Lining)	<b>City of San Diego</b> 1010 Second Ave. Ste. 1400, San Diego, CA 92101	<b>Neda Shahrara</b> (619) 665-7447 <a href="mailto:NShahrara@sanidiego.gov">NShahrara@sanidiego.gov</a>	\$ 530,507.38	4,151	11/11/2015
<b>Harbor Drive Trunk Sewer</b> (CIPP Lining of approx. 1550 Lf of exist. 48" Sewer Trunk)	<b>City of San Diego</b> 1010 Second Ave. Ste. 1400, San Diego, CA 92101	<b>Bijan Shakiba</b> (619) 533-5191 <a href="mailto:Bshakiba@sanidiego.gov">Bshakiba@sanidiego.gov</a>	\$ 8,814,751.07	1,550	8/4/2015
<b>2014 Sewer PL &amp; SD Repairs</b> (CIPP Lining 263' of 18" SD and about 3104' of 6"/8" Sewer Mains)	<b>City of Solana Beach</b> 635 S. Highway 101, Solana Beach, CA 92075	<b>Taryn Kjolsing, P.E.</b> (858) 720-2487 <a href="mailto:tkjolsing@cosb.org">tkjolsing@cosb.org</a>	\$ 491,702.50	3,367	3/31/2015
<b>Sewer Rehab Project No. 9</b> (CIPP Lining of exist. 8" and 10" VCP Sewer Mains)	<b>LA County Department of Public Works</b> 900 S Fremont Avenue, Los Angeles, CA 91803	<b>Jose Pou</b> (626) 458-2191 <a href="mailto:Jpou@dpw.lacounty.gov">Jpou@dpw.lacounty.gov</a>	\$ 244,087.60	9,250	10/24/2014
<b>Pipeline Rehabilitation N-1</b> (8" Sewer Main CIPP Rehabilitation & 4" Sewer Lateral Lining)	<b>City of San Diego</b> 1200 Third Avenue, Suite 200, San Diego, CA 92101	<b>Maryam Liaghat</b> (619) 533-4641 <a href="mailto:Mliaghat@sanidiego.gov">Mliaghat@sanidiego.gov</a>	\$ 5,907,193.15	74,424	3/4/2014
<b>Emergency Sewer Rehabilitation on Third Avenue</b> (8" Sewer Main Rehabilitation)	<b>City of Chula Vista</b> 1800 Maxwell Road, Chula Vista, CA 91910	<b>Boushra Salem</b> (619) 691-5040	\$ 93,015.00	660	3/31/2013
<b>SW260/SW268 Sewer Rehabilitation</b> (8" Sewer Main Rehabilitation)	<b>City of Chula Vista</b> 1800 Maxwell Road, Chula Vista, CA 91910	<b>Joselito Castillo</b> (619) 719-8161	\$ 632,591.87	5,370	9/26/2012
<b>Pipeline Lateral Rehab Phase C-2</b> Lake Murray Area	<b>City of San Diego</b> 1200 Third Avenue, Suite 200, San Diego, CA 92101	<b>Bill Swallow</b> (858) 495-7879	\$ 795,341.00	6,600	5/29/2009
<b>Pipeline Lateral Rehab Phase C-3</b> Lake Murray Area	<b>City of San Diego</b> 1200 Third Avenue, Suite 200, San Diego, CA 92101	<b>Bill Swallow</b> (858) 495-7879	\$ 504,436.24	4,080	5/29/2009

TOTAL FOOTAGE 308150

April 1, 2006

To Whom It May Concern

This is to certify that Burtech Pipeline, Inc. is a certified trained and licensed installer of CIPP (Cured In Place Pipe) lining materials and process that conform to ASTM F-1216 and ASTM F-1743. Pipe Lining Supply Corporation is a manufacturer and wholesale distributor of CIPP lining and AIPPR coating process that has been in business since 2003. Pipe Lining Supply materials meet all industry standards and the methods of installation conforming to those standards. Burtech Pipeline, Inc. has been trained in the CIPP process including the CIPP standards as well as the California Greenbook standards using materials manufactured specifically for this process.



John M. Heisler  
V. President

*YOUR CURED IN PLACE PIPE (CIPP) &  
APPLIED IN PLACE PIPE REHABILITATION (AIPPR) SUPPLIER*



Burtech Pipeline, Inc.  
102 Second Street, Encinitas, CA 92024  
Ph (760) 634-2822 | Fax (760) 634-2415

As of Aug. 2015

## CERTIFICATE OF INSTALLER

To Whom It May Concern:

This certificate verifies that Burtech Pipeline has received all necessary training for the correct preparation and installation procedures for the Cosmic Tophat “Lateral connection sealing system”, and Cosmic “Quickseal” Short liner repairs. If there is any other questions please contact Chris Armijo at information listed below.

Sincerely,

A handwritten signature in blue ink is written over the Cosmic logo. The signature appears to be "Johann Kubel". Below the signature, the text "Cosmic - Sondermaschinenbau GmbH" is visible. At the bottom of the logo area, the contact information "Tel.: +43 2744 7004 • e-mail: office@cosmic.at" is printed.

Tel.: +43 2744 7004 • e-mail: office@cosmic.at

Johann Kubel  
CEO, Cosmic Engineering GMBH



DTA Trenchless Supplies

3124 E Isaiah Ave.

Gilbert, AZ 85298

[www.dtatrenchlessupplies.com](http://www.dtatrenchlessupplies.com)

### LINER INSTALLATION LICENSE

Date: October 31, 2019

This is to certify that Burtech Pipeline, Inc, is a licensed CIPP installer of Easy Liner. DTA Trenchless Supplies is a subsidiary of Easy Liner and has over 30 years experience of liner manufacturing. Easy Liners are manufactured in accordance with the specifications of DTA Trenchless Supplies and comply with the requirements of ASTM F1216. Easy Liners are comprised of Felt and coated components from Applied Felts, Non-Woven Solutions, and Haartz Materials. Additionally, the liner utilizes a resin from AOC or interplastic with a catalyst system from Akzo Nobel.

A handwritten signature in black ink, appearing to read "Missy Grady". The signature is written in a cursive, flowing style.

Missy Grady, CFO



## Statement of Qualifications

Nu-Line Technologies, LLC has been successfully protecting infrastructure utilities since January of 2015. Nu-Line Technologies, LLC was introduced to the local wastewater and storm water infrastructure with the City of San Diego in 2015. Prior to our name change in January of 2015, we successfully completed infrastructure projects with the City of San Diego and other local agencies as Burtech Pipeline Inc. since 2007. With a new focus on infrastructure rehabilitation in our immediate San Diego Market, Nu-Line Technologies, LLC was launched to focus strictly on infrastructure rehabilitation methodologies with the advancement of mainline Cured-In-Place lining as well as service lateral connections (UV Curing) and lateral lining rehabilitation.

### ***Installation Experience***

Our installation crews have a minimum 10 years of experience in the Cured in Place field and have successfully completed projects throughout the western United States. Our Field Superintendent, Jorge Beltran has overseen and completed smaller to large scale projects throughout the western region since 1999. We are a fully licensed and bonded General Engineering Contractor and have completed many projects as Nu-Line Technologies, LLC similar in size and scale in California and New Mexico. Nu-Line Cured In Place and Spiral Wound Crews have installed over 920,000 linear feet ranging from 6" to 60" diameters for both sanitary sewer and storm drain applications.

### ***Industry Qualifications***

- Licensed General Contractor in the State of California, License No. 997520 - A
- City of Los Angeles/Greenbook Approved materials for Cured In Place and UV Service Lateral Connections
- Confined Space Certified, First aid and CPR certified.
- Certified Installer of Cosmic UV Top Hats & Sectional Liner
- Certified Installer of Applied Felts CIPP liner materials.
- Certified Installer of Sekisui SPR Americas Spiral Wound Pipeline products.
- Certified Installer of MTC (Aegion) CIPP Liner Products.
- ISNetworld trained and certified

Nu-Line Technologies, LLC. and its employees are fully cognizant and comply with all Federal and State OSHA regulations regarding confined space entry and procedures.

Frank Durazo

A handwritten signature in blue ink, appearing to read "Frank Durazo", written over a light blue horizontal line.

Operations Manager — Nu-Line Technologies, LLC.



# APPLIED FELTS

**Applied Felts, Inc.** 450 College Drive, Martinsville, Virginia 24112  
Telephone (276) 656-1904 Fax: (276) 656-1909  
office@appliedfelts.com

April 3, 2015

To Whom It May Concern:

This letter certifies that Applied Felts manufactured tubes meet the material requirements of ASTM F1216-09 (paragraph 5.1) and ASTM F 1743-08(section 6) as well as meet the minimum strength requirements of ASTM-D5813-04 (paragraph 6.1). All our materials and finished products are tested to ensure suitability to the application. Each liner is typically tested in 28 different ways and traceable test data is available for any particular liner.

Applied Felts has provided polymer coated felt tubes for use in Cured In Place Pipe (CIPP) lining for more than fifteen years, and supplied materials for the CIPP industry for more than twenty years. Over 75 million feet of our liner has been successfully installed in North America. Our liners are assembled in Martinsville, VA, using only components made in the USA.

Applied Felts is a registered ISO 9001:2008 company.  
Nu-Line Technologies, LLC is a certified installer of Applied Felts lining products.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Mark Sanders".

W. Mark Sanders  
General Manager



**FERRATEX**  
Professional Cured-In-Place wet out services built on 25 years of experience!

20520 Unico Road  
McKenney, VA 23872  
804.451.3667  
www.FerraTex.com

## LINER INSTALLATION LICENSE

Date: January 3, 2015

This is to certify that Nu-Line Technologies, LLC is a licensed CIPP installer of the FerraTex Liner. FerraTex is a subsidiary of Spiniello Companies and has 25 years' experience of liner manufacturing in the United States. FerraTex Liners are manufactured in accordance with the specifications of FerraTex and comply with the requirements of ASTM F1216. FerraTex liners are comprised of Felt and coated felt components from Applied Felts, Non-Woven Solutions, and Haartz Materials. Additionally the liner utilizes a resin from AOC or interplastics with a catalyst system from Akzo Nobel.

---

Gerhardt Rodenberger  
Division Manager, CIPP



By Royal Charter

**COPY**

# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

Applied Felts Inc.  
450 College Drive  
Martinsville  
Virginia  
24112  
USA

Holds Certificate No:

**FM 55735**

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

Manufacture of textile products used in pipeline rehabilitation.

For and on behalf of BSI:

Pietro Foschi - Strategic Delivery Director

Originally registered: 08/15/2000

Latest Issue: 03/05/2015

Expiry Date: 05/31/2018



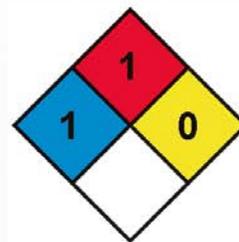
Page: 1 of 1

...making excellence a habit.™



**APPLIED FELTS**

Applied Felts, Inc. 450 College Drive, Martinsville, Virginia 24112  
Telephone (276) 656-1904 Fax: (276) 656-1909  
office@appliedfelts.com



## Material Health and Safety Data Sheet

**EFFECTIVE DATE: APRIL 26, 2012**

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**PRODUCT NAME:** POLYURETHANE COATED LINER

**SUPPLIER:** Applied Felts, Inc  
450 College Drive  
Martinsville, VA 24112

**TELEPHONE:** (276) 656-1904

**FAX:** (276) 656-1909

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**COATING:** Thermoplastic Polyurethane Polymer  
**SUBSTRATE:** Polyethylene Terephthalate Felt

### 3. HAZARDS IDENTIFICATION

**HAZARDS DESIGNATION:** Not Classified as a Hazardous Material.  
**POTENTIAL HEALTH HAZARDS:** During decomposition or combustion, the product can cause irritation to eyes, skin, or respiratory tract. As a delayed effect, sensitization to isocyanates may occur.

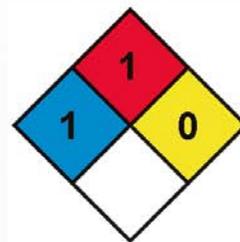
### 4. FIRST AID MEASURES

**INHALATION:** No effects anticipated  
**INGESTION:** No effects anticipated  
**SKIN:** No effects anticipated  
**EYES:** No effects anticipated



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 Telephone (276) 656-1904 Fax: (276) 656-1909  
 office@appliedfelts.com



**5. FIRE FIGHTING MEASURES**

<b>EXTINGUISHING MEDIA:</b>	Water, Foam, Dry Chemical
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon Dioxide (CO <sup>2</sup> ), Carbon Monoxide (CO), Hydrogen Cyanide (HCN), Oxides of Nitrogen, Hydrocarbons and Diisocyanate
<b>SPECIAL PROTECTIVE EQUIPMENT:</b>	Positive pressure self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

<b>SPILL CLEAN-UP METHODS:</b>	N/A
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**7. HANDLING AND STORAGE**

<b>USAGE PRECAUTIONS:</b>	N/A
<b>STORAGE PRECAUTIONS:</b>	N/A

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<b>PROTECTIVE EQUIPMENT</b>	
<b>VENTILATION:</b>	N/A
<b>RESPIRATORS:</b>	N/A
<b>PROTECTIVE GLOVES:</b>	N/A
<b>EYE PROTECTION:</b>	N/A
<b>GENERAL PROTECTIVE AND HYGIENIC MEASURES:</b>	Standard industry safety and hygiene principles should be exercised

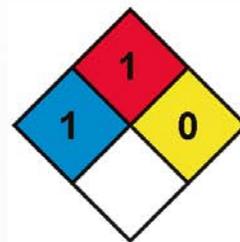
**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>FORM:</b>	Polyurethane coated liner
<b>COLOR:</b>	White
<b>ODOR:</b>	Faint
<b>MELT POINT – FELT</b>	260° C
<b>MELT POINT – COATING</b>	> 177° C
<b>DENSITY – FELT</b>	150 – 200 Kg/m <sup>3</sup>
<b>DENSITY – COATING</b>	1100 – 1300 Kg/m <sup>3</sup>
<b>FLAMMABILITY</b>	N/A



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office@appliedfelts.com



## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally Stable
<b>CONDITIONS/MATERIALS TO BE AVOIDED:</b>	Excessive heat, Organic solvents
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon Dioxide (CO <sup>2</sup> ), Carbon Monoxide (CO), Hydrogen Cyanide (HCN), Oxides of Nitrogen, Hydrocarbons and Diisocyanate, are all anticipated at levels above trace
<b>FIRE CREATES:</b>	

## 11. TOXICOLOGICAL INFORMATION

<b>HEALTH WARNINGS:</b>	No health risk at ambient temperatures. Elevated temperatures may cause this product to emit irritating vapors
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## 12. ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL HAZARDS:</b>	Not biologically degradable. Bioaccumulation improbable Generally not hazardous to water
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## 13. DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS:</b>	Dispose of waste by incineration or in landfill in accordance with local regulations
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## 14. TRANSPORT INFORMATION

**NOT CLASSIFIED AS A DANGEROUS CARGO**

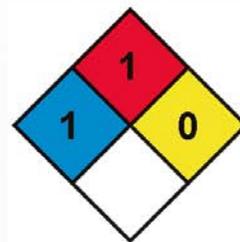
## 15. REGULATORY INFORMATION

<b>DESIGNATION ACCORDING TO EUROPEAN COMMISSION GUIDELINES:</b>	No known regulations related to this product. Observe the local safety regulations for handling chemicals.
---	---



**APPLIED FELTS**

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Telephone (276) 656-1904 Fax: (276) 656-1909  
office@appliedfelts.com



## 16. OTHER INFORMATION

This data is based on our present knowledge. However, they shall not be constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### NFPA® HAZARD RATING

HEALTH:	1	Slight
FIRE:	1	Slight
REACTIVITY	0	Minimal

### HMIS® HAZARD RATING

HEALTH:	1	Slight
FIRE:	1	Slight
PHYSICAL:	0	Minimal

**SUPERSEDES MSDS DATED: JUNE 4, 2008**

## Product Information

# Vipel® Isophthalic Based Resin for Underground Sewer Pipe Liners

### TYPICAL LIQUID RESIN PROPERTIES\*(1) Vipel® L704-NET-11 see back page

	Nominal
Viscosity @ 77°F/25°C, RVF Brookfield Spindle #4 @ 20 RPM, cps.	5,600
Thix Index 2/20	4.3
Color	Opaque
Specific Gravity @ 77°F/25°C	1.11
Non-Volatiles, %	62
Gel Time @ 140°F with (1.0% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and 0.5% Trigonox® KSM), minutes	11
Pot Life @ 77°F/25°C (1% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and + 0.5% Trigonox® KSM), hours	40

Trigonox is a trademark of Akzo Nobel Chemicals

### TYPICAL CAST MECHANICAL PROPERTIES\* (2) see back page

		Test Method
Tensile Strength, psi/MPa	13,500/93.1	ASTM D 638
Tensile Modulus, psi/GPa	600,000/4.1	ASTM D 638
Tensile Elongation, %	3.0	ASTM D 638
Flexural Strength, psi/MPa	23,300/161	ASTM D 790
Flexural Modulus, psi/GPa	630,000/4.3	ASTM D 790
Heat Distortion Temperature, °F/°C @ 264 psi	212/100	ASTM D 648
Barcol Hardness	40	ASTM D 2583

\*Typical properties are not to be construed as specifications.



### DESCRIPTION

The Vipel® L704-NET-11 is a high molecular weight isophthalic/unsaturated polyester resin. Vipel® L704-NET-11 Series provides the corrosion resistance, durability and toughness that is required for cured in place pipe applications. Refer to the AOC Corrosion Resistant Resin Guide for corrosion resistance information listed under Vipel® F701.

### FEATURES

- Excellent catalyzed pot life
- Superior mechanical properties
- High molecular weight
- High viscosity version

### BENEFITS

#### Adaptability

AOC's Vipel® L704-NET-11 molecular architecture provides an excellent balance of corrosion and physical properties.

# Vipel® L704-NET-11 Polyester Resin

## PERFORMANCE GUIDELINES

**A.** Keep full strength catalyst levels between 1.0% - 3.0% of the total resin weight.

**B.** Maintaining shop temperatures between 65°F/ 18°C and 90°F/32°C and humidity between 40% and 90% will help the fabricator make a high quality part. Consistent shop conditions contribute to consistent gel times.

## STORAGE STABILITY

Resins are stable for three months from date of production when stored in the original containers away from sunlight at no more than 77°F/25°C. After extended storage, some drift may occur in gel time.

During the hot summer months, no more than two months stability at 86°F/30°C should be anticipated.

## SAFETY

See appropriate Material Safety Data Sheet for guidelines.

## ISO 9001:2000 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2000 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers.

## FOOTNOTES

### (1)

The pot life times shown are typical but may be affected by catalyst, promoter and inhibitor concentrations in resin, and environmental temperature. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and fillers can retard or accelerate gelation. It is recommended that the fabricator check the gelling characteristics of a small quantity of resin under actual operating conditions prior to use.

### (2)

Based on tests on Vipel™ L704-NET-11 pipe at 77°F/25° and 50% relative humidity. Castings were prepared using 1.0% Perkadox 16 and 0.5 Trigonox C.

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production.

Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.



950 HIGHWAY 57 EAST  
COLLIERVILLE, TN 38017  
www.aoc-resins.com

**NORTH AMERICA**  
Tel: 001(901) 854-2800  
Fax: 001 (901) 854-7277  
sales@aoc-resins.com

**ASIA, MIDDLE EAST  
& LATIN AMERICA**  
Tel: 001 (863) 815-5016  
Fax: 001 (863) 815-4733  
international@aoc-resins.com

**EUROPE**  
Tel: (44) 1473 288997  
Fax: (44) 1473 216080  
europe@aoc-resins.com



**ASTM F1216 TEST RESULTS ON L704 SERIES  
ONE MONTH RESULTS AT 77°F**

	<b>L704 (Isophthalic)</b>	<b>REQUIREMENTS %</b>	<b>PASS OR FAIL</b>
<b>CONTROL SAMPLE</b>			
FLEXURAL STRENGTH, psi	9,544		
STANDARD DEVIATION	252		
FLEXURAL MODULUS, psi	564,989		
STANDARD DEVIATION	15,329		
<b>TAP WATER</b>			
FLEXURAL STRENGTH, psi	10,915		
STANDARD DEVIATION	432		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	563,496		
STANDARD DEVIATION	10,993		
% FLEXURAL MODULUS RETENTION	100	>80	<b>PASS</b>
<b>5% NITRIC ACID</b>			
FLEXURAL STRENGTH, psi	10,672		
STANDARD DEVIATION	894		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	528,173		
STANDARD DEVIATION	13,842		
% FLEXURAL MODULUS RETENTION	100	>80	<b>PASS</b>
<b>10% PHOSPHORIC ACID</b>			
FLEXURAL STRENGTH, psi	10,301		
STANDARD DEVIATION	1,439		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	552,544		
STANDARD DEVIATION	9,333		
% FLEXURAL MODULUS RETENTION	98	>80	<b>PASS</b>
<b>10% SULFURIC ACID</b>			
FLEXURAL STRENGTH, psi	12,438		
STANDARD DEVIATION	620		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	545,889		
STANDARD DEVIATION	6,319		
% FLEXURAL MODULUS RETENTION	97	>80	<b>PASS</b>
<b>AMOCO GASOLINE</b>			
FLEXURAL STRENGTH, psi	9,209		
STANDARD DEVIATION	1278		
% FLEXURAL STRENGTH, psi RETENTION	97	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	567,531		
STANDARD DEVIATION	4,611		
% FLEXURAL MODULUS RETENTION	100	>80	<b>PASS</b>

<b>VEGETABLE OIL</b>			
FLEXURAL STRENGTH, psi	11,809		
STANDARD DEVIATION	2,484		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	549,755		
STANDARD DEVIATION	27,235		
% FLEXUARAL MODULUS RETENTION	97	>80	<b>PASS</b>
<b>0.1% DETERGENT</b>			
FLEXURAL STRENGTH, psi	8,073		
STANDARD DEVIATION	1,732		
% FLEXURAL STRENGTH, psi RETENTION	85	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	511,284		
STANDARD DEVIATION	15,837		
% FLEXUARAL MODULUS RETENTION	91	>80	<b>PASS</b>
<b>0.1% SOAP</b>			
FLEXURAL STRENGTH, psi	11,756		
STANDARD DEVIATION	325		
% FLEXURAL STRENGTH, psi RETENTION	100	>80	<b>PASS</b>
FLEXURAL MODULUS, psi	549,192		
STANDARD DEVIATION	11,869		
% FLEXURAL MODULUS RETENTION	97	>80	<b>PASS</b>

August 1, 1999

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing any application before committing to production.  
Our recommendation should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.

<p><b>WHMIS (Canada)</b></p>  <p>B-2 D-2A D-2B</p>	<p><b>NFPA (USA)</b></p> <p>Fire: 3, Health: 2, Reactivity: 2</p>  <p>Specific hazard</p>	<p><b>HMIS (USA)</b></p> <table border="1"> <tr><td>Health hazards</td><td>* 2</td></tr> <tr><td>Flammability</td><td>3</td></tr> <tr><td>Physical hazards</td><td>2</td></tr> <tr><td>Personal protection</td><td>X</td></tr> </table>	Health hazards	* 2	Flammability	3	Physical hazards	2	Personal protection	X	<p><b>Protective clothing</b></p> 
Health hazards	* 2										
Flammability	3										
Physical hazards	2										
Personal protection	X										

**Section 1. Chemical product and company identification**

<b>Trade name</b>	L704-NET-11	
<b>Product type</b>	Polyester Resin Solution	
<b>Chemical family</b>	Aromatic.	
<b>Material uses</b>	Used in the manufacture of thermoset plastic parts.	
<b>Manufacturer</b>	AOC, LLC 950 Highway 57 East Collierville, TN U.S.A. 38017 Website: www.aoc-resins.com Phone Number: (901) 854-2800 8am-5pm (Central Time) Mon-Fri	<p><b>In case of emergency</b></p> <p>CHEMTREC (US): 24 hours/7 days (800) 424-9300                  CANUTEC (Canada): 24 hours/7 days (613) 996-6666</p>

**Section 2. Hazards identification**

<b>OSHA status</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Routes of entry</b>	Eye contact, Skin contact, Inhalation, Ingestion
<b>Potential acute health effects</b>	<p><b>Eyes:</b> Severe eye irritant which may result in redness, burning, tearing and blurred vision.</p> <p><b>Skin:</b> Skin irritant which may result in burning sensation. Repeated or prolonged skin contact may cause dermatitis.</p> <p><b>Ingestion:</b> Ingestion may result in mouth, throat and gastrointestinal irritation, nausea, vomiting and diarrhea.</p> <p><b>Inhalation:</b> Inhalation of spray mist or liquid vapors may cause upper respiratory irritation and possible central nervous system effects including headaches, nausea, vomiting, dizziness, drowsiness, loss of coordination, impaired judgement and general weakness.</p>
<b>Potential chronic health effects</b>	<p><b>CARCINOGENIC EFFECTS:</b>  <b>Styrene:</b> Classified A4 (not classifiable for human or animal) by ACGIH. Classified 2B (possible for human) by IARC. An increased incidence of lung tumors was observed in mice from a recent inhalation study. The relevance of this finding is uncertain since data from other long-term animal studies and from epidemiology studies of workers exposed to styrene do not provide a basis to conclude that styrene is carcinogenic to humans. Lung effects have been observed in mouse studies following repeated exposure.</p> <p><b>Silica, Amorphous:</b> Classified 3 (not classifiable for human) by IARC.</p> <p><b>MUTAGENIC or TERATOGENIC EFFECTS:</b> No known effect according to our database.</p>

**Section 3. Composition/information on ingredients**

Name	CAS #	% by weight
1) Styrene	100-42-5	40.7
2) Silica, Amorphous	7631-86-9	1 - 5

**Section 4. First aid measures**

<b>Eye contact</b>	Flush with a continuous flow of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Use of buffered baby shampoo will aid in removal. Seek medical attention.
<b>Skin contact</b>	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
<b>Inhalation</b>	Move the victim to a safe area as soon as possible. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting. Seek immediate medical attention.

**Section 5. Fire-fighting measures**

<b>The product is:</b>	Flammable liquid, Class IC.
<b>Auto-ignition temperature</b>	914°F(490°C) Styrene
<b>Flash point</b>	87.6°F (31°C) Styrene
<b>Flammable limits</b>	<b>Lower:</b> 0.9% <b>Upper:</b> 6.8% (Styrene)
<b>Products of combustion</b>	May produce carbon monoxide, carbon dioxide, and irritating or toxic vapors, gases or particulate.
<b>Fire hazard</b>	Flammable in the presence of open flames, sparks, or heat.
<b>Explosion hazard</b>	Can react with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. Material may polymerize when container is exposed to heat (fire) and polymerization will increase pressure in a closed container which may cause the container to rupture violently.
<b>Fire-fighting media and instructions</b>	SMALL FIRE: Use carbon dioxide, foam, dry chemical or water fog to extinguish. LARGE FIRE: Evacuate surrounding areas. Use carbon dioxide, foam, dry chemical or water fog to extinguish. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Prevent run off to sewers or other water ways.

**Section 6. Accidental release measures**

<b>Small spill</b>	Absorb with an inert material and place in an appropriate waste disposal container.
<b>Large spill</b>	Stop leak if without risk. Eliminate all ignition sources. Contain with an inert material, recover as much as possible and place the remainder in an appropriate waste disposal container. Warn unauthorized personnel to move away. Prevent entry into sewers or confined areas.

**Section 7. Handling and storage**

<b>Handling</b>	WARNING! Use only in well-ventilated areas. Store away from direct sunlight. Avoid inhalation and contact with eyes, skin, and clothing. Wear appropriate personal protective equipment for your task. Ground and bond all containers when transferring the material. Empty containers may retain product and product vapor. Do not expose to heat, flame, sparks or other ignition sources such as cutting, welding, drilling, grinding or static electricity. Do not pressurize. Provide adequate safety showers and eyewashes in the area of use. Note: If product contains metal compounds (Section III), avoid dust from dried product or grinding of articles made from this material.
<b>Storage</b>	Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Containers should be grounded.

**Section 8. Exposure controls/personal protection**

<b>Exposure limits</b>	Styrene	<p><b>ACGIH TLV (United States, 2/2010). Absorbed through skin.</b>  TWA: 20 ppm 8 hour(s).  TWA: 85 mg/m<sup>3</sup> 8 hour(s).  STEL: 40 ppm 15 minute(s).  STEL: 170 mg/m<sup>3</sup> 15 minute(s).</p> <p><b>OSHA PEL Z2 (United States, 11/2006).</b>  TWA: 100 ppm 8 hour(s).  CEIL: 200 ppm  AMP: 600 ppm 5 minute(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b>  TWA: 50 ppm 10 hour(s).  TWA: 215 mg/m<sup>3</sup> 10 hour(s).  STEL: 100 ppm 15 minute(s).  STEL: 425 mg/m<sup>3</sup> 15 minute(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b>  TWA: 6 mg/m<sup>3</sup> 10 hour(s).</p> <p>While the federal workplace exposure limit for styrene is 100 ppm, OSHA accepted the styrene industry's proposal to voluntarily meet a PEL of 50 ppm on an 8 hours TWA.</p>
	Silica, Amorphous	
<b>Engineering controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Provide adequate safety showers and eyewashes in the area of use.	
<b>Personal protection</b>	<p>Personal protective equipment may vary depending on the job being performed.</p> <p><b>Eye/face:</b> Wear eye protection such as safety glasses with side shields, splash goggles or face shield with safety glasses.</p> <p><b>Skin:</b> Avoid skin contact. Impervious gloves should be worn. Other items may include long sleeves, lab coats, or impervious jackets.</p> <p><b>Respiratory:</b> Determine if airborne concentrations are below the recommended exposure limits in accordance your company's PPE program and regulatory requirements. If they are not, select a NIOSH-approved respirator that provides adequate protection from the concentration levels encountered. Air-purifying respirators are generally adequate for organic vapors. Use positive pressure, supplied-air respirators if there is potential for an uncontrolled release, if exposure levels are unknown, or under circumstances where air-purifying respirators may not provide adequate protection.  Reference OSHA 29 CFR 1910.134.</p>	
<b>Personal protection in case of a large spill</b>	Chemical resistant gloves, full protective suit, and boots. Respiratory protection in accordance with OSHA regulation 29 CFR 1910.134. A self-contained breathing apparatus should be used to avoid inhalation of the product vapors.	

**Section 9. Physical and chemical properties**

<b>Physical state</b>	Liquid.
<b>Color</b>	Clear to Amber.
<b>Odor</b>	Aromatic.
<b>Molecular weight (g/mol)</b>	1000 to 15000
<b>Boiling point</b>	293°F(145°C) Styrene
<b>Melting point</b>	Not available.
<b>pH (1% soln/water)</b>	Not applicable.
<b>Vapor pressure</b>	4.5 mm Hg@ 68°F (20°C) Styrene
<b>Vapor density</b>	3.59 Styrene (Air = 1)
<b>Specific gravity</b>	1.1 (Water = 1)
<b>Water/oil dist. coeff.</b>	Not available.
<b>Evaporation rate</b>	Not available.

**Section 9. Physical and chemical properties**

<b>Odor threshold</b>	0.14 ppm Styrene
<b>Solubility in water</b>	Slight.
<b>Dispersibility properties</b>	Not dispersed in water.

**Section 10. Stability and reactivity**

<b>Stability</b>	This product is normally stable, but can become unstable at elevated temperatures and undergo polymerization, which could produce heat and fumes resulting in over-pressurization and rupture in a closed container.
<b>Instability temperature</b>	>170°F (77°C)
<b>Conditions of instability</b>	Heat.
<b>Incompatibility with various substances</b>	Polymerizes in the presence of organic peroxides, oxidizing materials, or heat.
<b>Corrosivity</b>	Our database contains no additional remark on the corrosivity of this product

**Section 11. Toxicological information**

<b>Toxicity to animals</b>	<b>Name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
	Styrene	LD50 Oral	Rat	2650 mg/kg	-
		LC50 Inhalation Vapor	Rat	5634.2 ppm	4 hours
<b>Special remarks on toxicity to animals</b>	Lung effects have been observed in mouse studies following repeated exposure.				
<b>Special remarks on chronic effects on humans</b>	No additional remark.				
<b>Special remarks on other toxic effects on humans</b>	No additional remark.				

**Section 12. Ecological information**

<b>Ecotoxicity</b>	Toxic to aquatic organisms. Should not be released to sewage system or other bodies of water at concentrations above limits established in regulations or permits.
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**Section 13. Disposal considerations**

<b>Waste disposal</b>	Recycle to process, if possible. Consult your local or regional authorities. Ignitable characteristic.
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**Section 14. Transport information**

<b>DOT</b>	UN1866; Resin Solution; 3; III.	<b>Labels</b> 
<b>TDG</b>	UN1866; Resin Solution; 3; III.	
<b>IATA/IMDG</b>	UN1866; Resin Solution; 3; III	
<b>Additional information</b>	US regulations require the reporting of spills when the amount exceeds the Reportable Quantity (RQ) for specific components of this material. See CERCLA in Section 15, Regulatory Information, for the Reportable Quantities.	

**Section 14. Transport information****Section 15. Regulatory information****Other regulations**

This section does not reference all applicable regulatory compliance lists.

**TSCA:** All ingredients are listed or compliant with TSCA.

**DSL:** All ingredients are listed or compliant with the NSNR.

**Proposition 65 Warning:** This product contains a chemical(s) known to the State of California to cause cancer, birth defects and/or reproductive harm.

**SARA 302 component(s):** None.

**SARA 313 component(s):** Styrene.

**CERCLA(RQ):** Styrene - 1000 lbs. (453.6 kg)

**Section 16. Other information****Prepared by**

AOC, LLC - Corporate Regulatory Affairs.

CA; FL; ON

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**CLIENT:** AOC  
950 Hwy 57 East  
Collierville, TN 38017  
Attn: Bruce Curry

Re: PO 5061

**MATERIAL:** One set of fifty rectangular coupons made with 6mm felt impregnated with Vipel™L704 resin were submitted and identified by the client.

**TESTING:** Chemical Resistance testing per ASTM D5813-95, paragraphs 6.4.1 and 8.2.1 was conducted. Coupons were exposed in accordance with ASTM D543-95 in the solutions shown in the table below at room temperature for a one-year immersion period. Flexural properties testing as described below will be conducted at the conclusion of the immersion period.

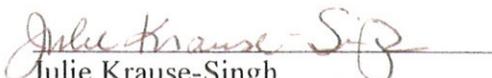
Chemical Solution	Concentration, %
Nitric acid	1
Sulfuric acid	5
ASTM Fuel C	100
Vegetable oil	100
Detergent	0.1
Soap	0.1

One set of Control coupons was tested for initial flexural properties as reported in Hauser Laboratories Test Report No. M00248A on August 31, 1999. A second set of Control coupons was exposed for one year at 50% Relative Humidity, and 23°C. These coupons were tested on August 9, 2000 along with the exposed coupons. All testing was conducted in accordance with ASTM D790-98, Procedure A using a span-to-depth ratio of 16:1.

**RESULTS:** The results are summarized in Table 1 and presented in detail in Table 2. All values exceeded the ASTM D5813 requirements of at least 80% retention of flexural modulus after one-year immersion in all solutions.

**TESTING SUPERVISED BY:**

**TESTING CONDUCTED BY:**

  
Julie Krause-Singh  
Department Manager

  
Dale J. Beasley  
Technician III

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TABLE 1  
SUMMARY OF CHEMICAL RESISTANCE TEST RESULTS

Solution	Average Retention of Flexural Strength*	Average Retention of Flexural Modulus*
	%	%
Nitric Acid	89	96
Sulfuric Acid	103	95
ASTM Fuel C	145	97
Mineral Oil	112	98
Detergent	118	95
Soap	90	94
ASTM D5813 Requirement		80 minimum

\*These calculations were based on the data from the Control sample tested 8/9/00.

TABLE 2  
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
Vipel™L704		
Control 8/31/99		
1	4570	736000
2	5300	709000
3	5410	686000
4	4680	682000
5	7600	665000
6	8670	726000
7	8560	681000
Average	6400	698000
Std. Dev.	1820	26300
Control 8/9/00		
1	8530	528000
2	5180	548000
3	7750	548000
4	4520	590000
5	5340	586000
6	4530	556000
Average	5980	559000
Std. Dev.	1730	24200
1% Nitric Acid		
1	5580	528000
2	5650	531000
3	5800	543000
4	4400	527000
5	5080	521000
6	5300	555000
Average	5300	534000
Std. Dev.	510	12700

TABLE 2 CONTINUED  
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
5% Sulfuric Acid		
1	5820	530000
2	5220	519000
3	5430	520000
4	5750	545000
5	7550	538000
6	6980	537000
Average	6130	531000
Std. Dev.	930	10300
ASTM Fuel C		
1	10300	521000
2	7640	535000
3	4990	536000
4	8490	574000
5	9080	542000
6	11600	560000
Average	8670	545000
Std. Dev.	2280	19200
Mineral Oil		
1	6680	523000
2	5930	509000
3	7790	582000
4	8610	571000
5	5030	566000
6	6290	548000
Average	6720	550000
Std. Dev.	1290	29000

TABLE 2 CONTINUED  
 CHEMICAL RESISTANCE TEST RESULTS

Specimen No.	Flexural Strength psi	Flexural Modulus psi
<b>Detergent</b>		
1	7320	529000
2	7690	564000
3	4890	514000
4	7480	536000
5	7000	549000
6	7920	507000
Average	7050	533000
Std. Dev.	1100	21600
<b>Soap</b>		
1	5170	508000
2	5410	517000
3	4600	535000
4	5630	526000
5	4330	520000
6	6980	537000
Average	5350	524000
Std. Dev.	940	11100

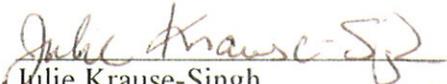
**CLIENT:** AOC  
950 Highway 57 East  
Collierville, TN 38017  
Attn: Dave Treadwell

**MATERIAL:** Six each rectangular specimens from two plastic materials identified as felt composites L471 and L704 were submitted by the client. The specimens were each approximately 6 inches x ½ inch x 0.3 inches.

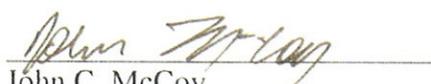
**TESTING:** Flexural creep testing per ASTM D2990-95 using a three-point static-load configuration with a span to depth ratio of approximately 16:1 and a stress level of 400 psi at 23°C and 50% Relative Humidity.

**RESULTS:** The results for 10000 hours are presented as both graphical and tabular data of flexural modulus versus time for each group of five specimens tested. Tabular results for sample L471 are presented in Table 1 and tabular results for sample L704 are presented in Table 2

**TESTING SUPERVISED BY:**

  
Julie Krause-Singh  
Department Manager

**TESTING CONDUCTED BY:**

  
John C. McCoy  
Technician II

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TABLE 2  
 FLEXURAL CREEP DATA  
 SAMPLE L704

TEMPERATURE: 23° C/ 50% RH

STRESS: 400 psi

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
0.00						
0.02	810900	879100	649100	664400	739500	748600
0.10	810900	879100	649100	655900	729500	744900
0.20	798400	879100	641200	631600	710300	732100
0.50	774600	865200	633400	631600	710300	723000
1.00	774600	851700	618500	601900	666400	702600
2.00	741400	838600	604300	588000	666400	687800
3.43	720800	825900	597500	574800	658300	675500
22.08	632900	707900	547700	522000	580400	598200
68.58	625300	681300	505500	491900	550800	571000
114.2	570300	656700	469400	465100	509200	534200
257.4	503900	524100	381000	409300	461400	455900
456.0	439800	514200	378200	362800	412100	421400
792.8	393200	454200	339200	332200	374900	378700
1414.3	368100	436000	326600	321800	350500	360600
1651.6	360400	425800	320600	315800	339500	352400
1802.0	341400	400800	303900	292300	325200	332700
2011.3	339200	400800	303900	292300	323200	331900
2109.6	337000	400800	302200	290700	321300	330400
2154.9	337000	397900	302200	290700	321300	329800
2322.8	332700	397900	302200	289000	317500	327900
2660.8	332700	397900	300400	289000	315700	327100
2808.1	330600	395000	300400	287400	313800	325400
3002.1	330600	395000	300400	287400	313800	325400
3193.5	328500	386600	292100	285800	312000	321000
3312.6	314500	378500	288900	278000	305000	313000
3547.9	310800	373300	282700	272100	301600	308100
3618.8	309800	372100	282700	272100	301600	307700
3834.1	308900	370800	282700	272100	299900	306900
4003.4	307100	370800	282700	272100	299900	306500
4171.3	305300	370800	282700	270700	298200	305500
4513.7	300000	365800	281200	267900	295000	302000

TABLE 2 CONTINUED  
 FLEXURAL CREEP DATA  
 SAMPLE L704

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
4676.1	298300	365800	279700	266500	295000	301000
5012.2	298300	363400	278200	265100	295000	300000
5186.1	298300	363400	278200	265100	295000	300000
5392.3	296600	361000	278200	262400	293400	298300
5689.7	296600	361000	276700	262400	293400	298000
5901.7	294900	361000	275300	262400	293400	297400
6021.8	294900	361000	273800	262400	291800	296800
6167.8	291600	361000	273800	259700	290200	295300
6331.0	291600	361000	275300	259700	290200	295500
6719.3	291600	358600	273800	259700	290200	294800
7338.3	283600	349400	268200	254500	281100	287400
7507.1	283600	349400	271000	253300	281100	287700
7866.4	285200	349400	266900	254500	282600	287700
8251.8	285200	347200	266900	253300	281100	286700
8376.1	282100	347200	266900	253300	281100	286100
8512.6	282100	347200	266200	253300	281100	286000
9016.1	279800	345000	266900	252000	278200	284400
9261.1	279000	342800	265500	250800	278200	283300
9324.3	278300	342800	265500	250800	276800	282800
9571.7	278300	342800	265500	249600	276800	282600
9911.3	274600	338600	264200	248400	275400	280200
10025.4	274600	338600	264200	248400	275400	280200

FLEXURAL CREEP DATA SAMPLE L704  
AT 400 PSI STRESS

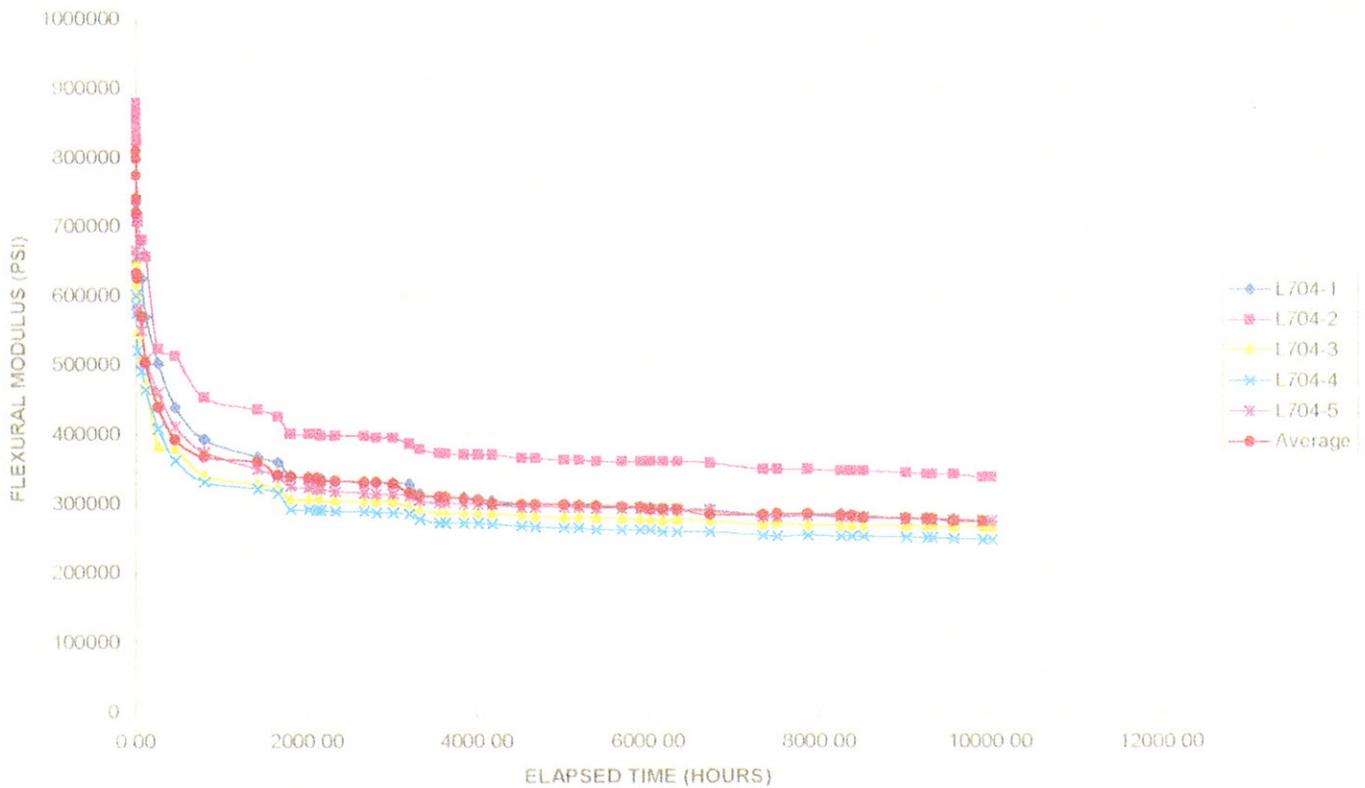


TABLE 1  
 FLEXURAL CREEP DATA  
 SAMPLE L471

TEMPERATURE: 23° C/ 50% RH  
 STRESS: 400 psi

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
0.00						
0.02	643500	648300	562900	635700	696200	631600
0.10	643500	648300	562900	616100	672900	617300
0.20	629900	626200	547800	603600	658300	603300
0.50	623400	626200	547800	597600	658300	601300
1.00	604500	605600	528900	574600	630900	578200
2.00	598400	605600	528900	569100	630900	576300
3.67	586700	592500	524400	558500	605700	562900
22.4	529600	529900	487000	524200	571400	527500
68.8	498700	501000	468400	466900	513300	482800
114.4	460300	471000	441400	429900	488400	453300
257.6	393700	393600	383500	360000	406500	383300
456.3	367100	369800	354700	332000	371600	352700
793.1	328800	330000	319600	297300	329200	315300
1414.6	308500	309600	302300	274100	299800	292100
1651.9	297700	302800	295000	265600	291200	283900
1802.3	294800	278300	272700	252200	280400	268400
2011.5	275800	275500	269100	245900	272800	262600
2109.8	275800	275500	269100	245900	271600	262200
2155.2	274500	271500	266800	242900	266800	258800
2323.0	273300	270100	266773	242900	266800	258800
2661.0	270800	267500	263300	239000	262200	254900
2808.4	268400	266200	263300	236200	259900	253200
3002.4	266000	261200	258900	234400	255500	249600
3193.7	260200	258700	2535500	227200	250300	243700
3312.9	257900	256300	251466	224700	248200	241400
3548.2	256800	255100	250400	224700	247200	240800
3619.0	255700	255100	250400	224700	246200	240400
3834.4	255700	255100	250400	223800	245200	239800
4003.7	252500	252800	247400	221300	243200	237300
4171.6	252500	252800	247400	220500	243200	237100
4513.9	251400	249300	245400	219700	243233	236124

TABLE 1 CONTINUED  
 FLEXURAL CREEP DATA  
 SAMPLE L471

Elapsed Time Hours	FLEXURAL MODULUS, psi					Average
	1	2	3	4	5	
4676.4	248300	247100	243500	218100	241300	234300
5012.4	248300	246000	241600	216500	239400	232500
5186.3	247300	244900	240600	215700	238400	231600
5392.6	247300	244400	240600	215700	238400	231600
5689.9	247300	243800	240600	215700	237500	231300
5901.9	243300	242800	240600	215000	237500	231000
6022.0	242300	242800	240600	215000	236600	230700
6168.1	241300	241700	239700	213400	233800	229000
6331.3	246300	241700	239700	213400	233800	229000
6719.6	246300	241700	239700	213400	233800	229000
7338.6	241300	238600	236000	209700	232100	225900
7507.4	240300	238600	236000	209700	232100	225900
7866.7	240300	238600	236000	209700	232100	225900
8252.1	239400	238600	236000	209700	232100	225900
8376.3	239400	238600	235991	209700	232100	225909
8512.8	238400	238600	236000	209000	231200	225400
9016.3	237500	238600	236000	208200	230300	224800
9261.4	236500	237500	236000	208200	230300	224800
9324.6	236500	237500	236000	208200	230300	224800
9572.0	236500	237500	235100	207500	230300	224800
9911.6	235600	236500	234600	206100	227700	222800
10025.7	235600	236500	234600	206100	227700	222800

FLEXURAL CREEP DATA SAMPLE L471  
AT 400 PSI STRESS





## Nu-Line Technologies, LLC Project References – CIPP/SPR

CIPP Project / Description	Owner / Contact	Contract Amount	Date
<b><u>2014 Wing Ave Flood Control</u></b> Clean/CCTV & CIPP lining of 159 LF of 18-inch & 24-inch Storm Drain, Flow Diversion.	Flatiron/City of El Cajon 1770 La Costa Meadows Drive San Marcos, Ca 92708 Ruben Claudio (760) 916-9100	\$ 33,030.00	<u>Start</u> 5/15/14 <u>Completion</u> 5/28/2014
<b><u>2014 Pipeline Rehabilitation Phase W-1</u></b> CIPP lining of 21,754 LF of 8-inch diameter sanitary sewer. Point Repairs, Manhole Rehabilitation, 425 Top Hats (SLC's) and 425 Lateral Launch Video, 425 4-inch CIPP Lateral Installation.	City of San Diego 525 B Street, Ste. 750 San Diego, CA 92101 Maryam Liaghat (619) 533-5192	\$ 2,465,095.10	<u>Start</u> 6/16/2014 <u>Completion</u> 3/19/2015
<b><u>2014 Sewer Rehabilitation Project No. 9</u></b> CIPP lining of 9,166 LF of 8" & 10" diameter sanitary sewer. Clean & CCTV, Bypass Pumping	Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Attn: Jose Pou (626) 458-2191	\$ 232,000.00	<u>Start</u> 9/2/2014 <u>Completion</u> 10/31/2014
<b><u>2014 Pipeline Rehabilitation Phase X-1</u></b> CIPP lining of 4,092 LF of 6", 8", 10" & 15" diameter sanitary sewer. Point Repairs, Manhole Rehabilitation, 44 Service Lateral Connections and 44 Lateral Launch Video, 44 CIPP Lateral Installation.	City of San Diego 9485 Aero Drive San Diego, CA 92101 Jericho Gallardo (619) 533-7523	\$ 513,000.00	<u>Start</u> 11/21/2014 <u>Completion</u> 3/16/2015
<b><u>2014 Sewer Pipeline and Storm Drain Repairs</u></b> CIPP lining of 3,367 LF of 6", 8" & 18" diameter sanitary sewer & Storm Drain. Point Repairs, Manhole Rehabilitation,	City of Solana Beach 9485 Aero Drive Solana Beach , CA 92075 Taryn Kjolsing (858) 720-2470	\$ 455,414.50	<u>Start</u> 9/22/2014 <u>Completion</u> 11/26/2014
<b><u>2014 Sewer &amp; Water Group 833</u></b> CIPP lining of 3,876 LF of 6", 8" and 10" Sanitary Sewer Main Replacement. Point Repairs, Manhole Rehabilitation, Service Lateral Connections, Bypass Pumping.	City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba, (619) 533-5191	\$ 513,000.00	<u>Start</u> 12/1/2014 <u>Completion</u> 1/26/2015
<b><u>2013 Sewer &amp; Water Group 720</u></b> CIPP lining of 621 LF of 6-inch, Sanitary Sewer Main Replacement. Point Repairs, Manhole Rehabilitation, Service Lateral Connections, Bypass Pumping	City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba (619) 533-5191	\$ 21,735.00	<u>Start</u> 11/8/2014 <u>Completion</u> 11/8/2014
<b><u>2013 Sewer &amp; Water Group 758</u></b> CIPP lining of 2,612 LF of 8-inch and 10,135 LF sanitary sewer replacement. Point Repairs, Manhole Rehabilitation, 30 (SLC's), CIPP Lateral Installation, Bypass Pumping.	City of San Diego 1200 Third Avenue., Ste. 200 San Diego, CA 92101 Luis Schaar, R.E. (619) 533-4641	\$ 81,518.80	<u>Start</u> 5/29/2014 <u>Completion</u> 12/16/2014





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>2015 Sewer &amp; Water Group 815</u></b> CIPP lining of 545 LF of 8-inch sanitary sewer. Point Repairs, Manhole Rehabilitation, 5 (SLC's), Bypass Pumping.</p>	<p>City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Bijan Shakiba (619)533-5191</p>	<p style="text-align: center;">\$ 29,975.00</p>	<p style="text-align: center;"><u>Completion</u> 2/17/2015</p>
<p><b><u>City of San Diego Skylark Canyon Rehabilitation</u></b> CIPP lining of 1,417 LF of 8-inch sanitary sewer. Bypass Pumping.</p>	<p>Weir Construction Corporation 2255 Barham Drive Escondido, Ca 92029 Brian Weir (760) 743-6776</p>	<p style="text-align: center;">\$ 95,215.00</p>	<p style="text-align: center;"><u>Start</u> 12/24/2014 <u>Completion</u> 1/9/2015</p>
<p><b><u>Back Bay Drive Storm Drain Rehabilitation</u></b> CIPP/SPR lining of 1,892 LF of 12-inch to 42-Inch storm Drain. Bypass Pumping/Dewatering.</p>	<p>City of Newport Beach 100 Civic Center Drive Newport Beach, CA 92660 Peter Tauscher (949) 644-3309</p>	<p style="text-align: center;">\$ 297,208.80</p>	<p style="text-align: center;"><u>Start</u> 1/19/2015 <u>Completion</u> 4/8/2015</p>
<p><b><u>Sewer Capital Improvements Project-Lemon Grove</u></b> CIPP Lining of 3,480 LF of 6-Inch and 8-Inch sanitary Sewer, manhole installations, cleanout installations, bypass pumping.</p>	<p>City of Lemon Grove 3232 Main Street Lemon Grove, Ca 91945 Scott Adamson (858) 413-2400</p>	<p style="text-align: center;">\$ 189,946.00</p>	<p style="text-align: center;"><u>Start</u> 9/28/2015 <u>Completion</u> 10/15/2015</p>
<p><b><u>Bataquitos Force Main (B1/B2) Force Main</u></b> <b><u>City of Leucadia</u></b> Rehabilitation of 383 LF of 21-Inch sanitary sewer Force Main, Carlsbad Blvd from Proto Drive</p>	<p>Leucadia Wastewater District 1960 La Costa Ave Carlsbad Ca, 92009 Robin Morshita (760) 753-0155</p>	<p style="text-align: center;">\$ 76,500.00</p>	<p style="text-align: center;"><u>Start</u> 5/5/2015 <u>Completion</u> 3/6/2015</p>
<p><b><u>Annual Sewer Rehabilitation Program CIP. 15701</u></b> CIPP Lining of 7,702 LF of 6-Inch, 8-Inch, 21-inch and 36-Inch sanitary Sewer and storm drain, manhole installations, cleanout installations, bypass pumping.</p>	<p>City of San Juan Capistrano 32400 Paseo Adelanto San Juan Capistrano CA, 92675 Mike Marquis (949) 443-6326</p>	<p style="text-align: center;">\$ 1,385,061.00</p>	<p style="text-align: center;"><u>Start</u> 8/17/2015 <u>Completion</u> 12/28/2015</p>
<p><b><u>Pipeline Rehab F-2 (Laterals)</u></b> Clean &amp; CCTV of 93,955 LF of sanitary sewer.</p>	<p>City of San Diego 525 B Street, MS 908A San Diego, CA 92101 Ryan Reed (619) 533-5191</p>	<p style="text-align: center;">\$ 101,471.00</p>	<p style="text-align: center;"><u>Start</u> 2/15/2015 <u>Completion</u> 8/25/2015</p>
<p><b><u>Sewer and AC Water Group 752</u></b> CIPP Lining of 5,182 LF of 8-Inch sanitary Sewer and bypass pumping. Clean &amp; CCTV, Top Hats</p>	<p>Public Utilities Department 9150 Topaz Way, MOC 1 San Diego, CA 92123 Ed M. Cartas (585) 614-4564</p>	<p style="text-align: center;">\$ 281,411.00</p>	<p style="text-align: center;"><u>Start</u> 7/9/2015 <u>Completion</u> 7/17/2015</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b>Sewer and AC Water Group 1004</b> CIPP Lining of 948 LF of 8-Inch sanitary Sewer and bypass pumping. Clean &amp; CCTV, 14 Top Hats</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 Armin Asadyari (858) 997-7989</p>	<p>\$ 70,159.00</p>	<p><u>Completion</u> 9/15/2015</p>
<p><b>South Oceanside Waterline Replacement</b> Clean &amp; CCTV, Post Video of 5,887 LF 8-Inch New Installation, Manhole Rehabilitation</p>	<p>City of Oceanside 300 North Coast Highway, Oceanside, CA 92054 Greg Keppler (760) 435-5913</p>	<p>\$ 90,092.75</p>	<p><u>Completion</u> 2015</p>
<p><b>Gravity Pipeline Rehabilitation</b> Clean &amp; CCTV, Post Video of 1,887 LF 6-Inch, 8-Inch and 12-Inch sanitary sewer. Sectional Lining</p>	<p>Leucadia Wastewater District 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p>\$ 137,987.00</p>	<p><u>Start</u> 7/9/2015 <u>Completion</u> 9/16/2015</p>
<p><b>Pipeline Rehab Z-1</b> Clean &amp; CCTV, Post Video of 13,500 LF 8-Inch sanitary sewer, SPR/CIPP Lining of 13,500 LF of 8-Inch sanitary sewer and installation of 300 Top Hats</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 Dave Engel (619) 549-5451</p>	<p>\$ 507,079.50</p>	<p><u>Start</u> 10/6/2015 <u>Completion</u> 12/11/2015</p>
<p><b>Los Angeles County Dept of Public Work – Project #11</b> SPR/CIPP Lining of 13,842 LF of 8-Inch sanitary Sewer and bypass pumping.</p>	<p>LACDPW 900 South Fremont Avenue Alhambra, California 91803 Tim Bazinet (626) 458-4951</p>	<p>\$ 435,233.50</p>	<p><u>Start</u> 1/18/2016 <u>Completion</u> 2/29/2016</p>
<p><b>Industry Rd Sewer @ Ha-Hana Rd.</b> CIPP Lining of 748 LF of 24-Inch sanitary Sewer and bypass pumping.</p>	<p>Just Construction 3103 Market Street San Diego, CA 92102 (619) 702-4002</p>	<p>\$ 136,127.00</p>	<p><u>Awaiting</u> <u>NTP</u></p>
<p><b>CULVERT REPAIR AND REPLACEMENT FISCAL YEAR 2014-15</b> CIPP/SPR Lining of 499LF of 18-Inch to 42-Inch storm drain culvert.</p>	<p>Tri-Group Construction 9580 Black Mountain Rd Ste. L San Diego, CA 92126 Hani Assi (858) 583-1846</p>	<p>\$ 159,239.00</p>	<p><u>Start</u> 10/5/2015 <u>Completion</u> 11/30/2015</p>
<p><b>Huntington Beach FY 201415 Sewer Lining Project</b> CIPP Lining of 11,189 LF of 8-Inch sanitary Sewer and bypass pumping.</p>	<p>City of Huntington Beach 2000 Main Street, 1<sup>st</sup> Floor Huntington Beach, CA 92648 Jose Fuentes (714) 536-5431</p>	<p>\$ 250,000.00</p>	<p><u>Start</u> 3/1/2016 <u>Completion</u> 4/14/2016</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Encinitas 2014-2015 Annual Storm Drain Rehabilitation</u></b> CIPP Lining of 2,322LF of 12-Inch to 36-Inch storm drain culvert.</p>	<p>City of Encinitas 505 S. Vulcan Encinitas, CA 92024 Kipp Heffner (760) 633-2775</p>	<p>\$ 558,399.00</p>	<p><u>Start</u> 10/5/2015 <u>Completion</u> 3/30/2016</p>
<p><b><u>Sewer and AC Water Group 840</u></b> Final main video of 2,098 LF, 8-Inch sewer</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 Avram Yu (858) 573-5084</p>	<p>\$ 3,147.00</p>	<p><u>Completion</u> 9/21/2015</p>
<p><b><u>Sewer Group 798</u></b> Clean &amp; Video, SPR/CIPP Lining of 11,894LF of 8-Inch sanitary sewer, 164 Service Lateral Connections</p>	<p>City of San Diego 9485 Aero Drive, San Diego, CA 92123 Avram Yu (858) 573-5084</p>	<p>\$ 410,114.30</p>	<p><u>Start</u> 12/15/2015 <u>Completion</u> 2/10/2016</p>
<p><b><u>2015 Sewer Repair Project - Rossmoor/Los Alamitos</u></b> Clean &amp; Video, CIPP Lining 2,545 LF of 8-Inch, Point repairs, Top Hats</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$ 123,124.00</p>	<p><u>Start</u> 3/3/2016 <u>Completion</u> 4/1/2016</p>
<p><b><u>2015 GRAVITY SEWER REHABILITATION</u></b> Clean &amp; Video, CIPP Lining 2,237 LF of 6-Inch, 8-Inch and 12-Inch sanitary sewer, 29 Service Lateral Connections, Bypass Pumping</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p>\$ 161,524.50</p>	<p><u>Start</u> 8/26/2015 <u>Completion</u> 12/23/2015</p>
<p><b><u>CIPP Lining of 15" &amp; 18" CMP Storm Drain</u></b> Clean &amp; Video, CIPP Lining 360 LF of 15-Inch and 18-Inch storm drains.</p>	<p>City of Buena Park 6650 Beach Blvd, Buena Park, Ca 90622 Francisco Gutierrez (714)562-3687</p>	<p>\$ 51,991.00</p>	<p><u>Start</u> 3/3/2016 <u>Completion</u> 3/4/2016</p>
<p><b><u>Storm Drain Lining of 21" to 54"</u></b> Clean &amp; Video, CIPP Lining 2,415 LF of 18-Inch, 21-Inch, 24-Inch, 30-Inch and 36-Inch storm drains, Sectional Repairs, Invert Grouting of storm drains prior to rehabilitation.</p>	<p>City of Chula Vista 1800 Maxwell Road, Chula Vista, CA 91911 Kalani Camacho (619) 921-2922</p>	<p>\$ 433,391.00</p>	<p><u>Start</u> 1/4/2016 <u>Completion</u> 4/21/2016</p>
<p><b><u>Storm Drain Lining 2014-15; Project No. 52716</u></b> Clean &amp; Video, CIPP Lining 2,420 LF of 8-Inch, 10-Inch sanitary sewer, 12-Inch and 18-Inch storm drains, Sectional Repairs, Invert Grouting of storm drains prior to rehabilitation.</p>	<p>City of Fullerton PWD Engineering 303 West Commonwealth Avenue, Fullerton, CA 92832 Vince Oseguera (714) 738-6845</p>	<p>\$ 117,973.00</p>	<p><u>Start</u> 2/22/2016 <u>Completion</u> 4/25/2016</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>The Oaks - CIPP Lining of 36-Inch Storm Drain</u></b> Clean &amp; CCTV 100 LF of 36-Inch storm Drain, Easement access installation of 100 LF of 36-Inch storm Drain, Post Video</p>	<p>Davidson Communities 1302 Camino Del Mar, Del Mar, CA 92014 Tim O'Grady (858) 259-8500</p>	<p style="text-align: center;">\$ 32,000.00</p>	<p style="text-align: center;"><u>Start</u> 4/29/2016 <u>Completion</u> 4/29/2016</p>
<p><b><u>Eastern Municipal Water District 12-Inch Sanitary Sewer</u></b> Clean &amp; CCTV, Rehabilitate 413 LF of 12-Inch Sanitary Sewer, Reinstate 5 Lateral Connections, Bypass Pumping</p>	<p>Eastern Municipal Water District 2270 Trumble Road, Perris, CA 92572-8300 Mark Chamberlin (951) 928-3777</p>	<p style="text-align: center;">\$ 22,715.00</p>	<p style="text-align: center;"><u>Start</u> 2/26/2016 <u>Completion</u> 2/26/2016</p>
<p><b><u>City of Los Angeles – Sewers 5 Program</u></b> Clean &amp; CCTV, Rehabilitate 7,147 LF of 8-Inch, 10-Inch, 16-Inch Sanitary Sewer, Reinstate 160 Lateral Connections, Bypass Pumping, Post Video</p>	<p>Mathew &amp; Stewart Co Inc. 2841 Gardena Ave, Signal Hill, CA 90755 Bruce Flowers (562) 595-5471</p>	<p style="text-align: center;">\$ 304,603.00</p>	<p style="text-align: center;"><u>Start</u> 6/17/2015 <u>Completion</u> On Call</p>
<p><b><u>Rancho Palos Verdes Storm Drain</u></b> Clean &amp; CCTV 134 LF of 18-Inch storm Drain, Easement access installation of 134 LF of 18-Inch storm Drain, Post Video</p>	<p>Grfco Inc Po Box 1747 Brea, CA 92822 Jim Jackson (714) 412-4712</p>	<p style="text-align: center;">\$ 21,942.50</p>	<p style="text-align: center;"><u>Start</u> 12/30/2015 <u>Completion</u> 12/30/2015</p>
<p><b><u>City of San Diego Group 703A</u></b> Clean &amp; CCTV 627 LF of 8-Inch sanitary sewer, Easement access installation of 627 LF of 8-Inch sanitary sewer, Post Video</p>	<p>Weir Construction Corporation 2255 Barham Drive, Escondido, Ca 92029 Allan Weir (760) 743-6776</p>	<p style="text-align: center;">\$ 30,347.50</p>	<p style="text-align: center;"><u>Start</u> 3/8/2016 <u>Completion</u> 3/9/2016</p>
<p><b><u>La Costa Golf Course</u></b> Clean &amp; CCTV 360 LF of 10-Inch sanitary sewer, Easement access installation of 360 LF of 10-Inch sanitary sewer, Post Video</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p style="text-align: center;">\$ 18,720.00</p>	<p style="text-align: center;"><u>Start</u> 11/20/2015 <u>Completion</u> 11/20/2015</p>
<p><b><u>Manning Canyon Sewer and Water Replacement</u></b> Clean &amp; CCTV 15,508 LF of 8-Inch sanitary sewer, Rehabilitate 2,582 LF of 8-Inch sanitary sewer w/SPR, 56 Sewer Lateral Connections, Post CCTV Video of 15,508 LF, Bypass Pumping</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 212,865.00</p>	<p style="text-align: center;"><u>Start</u> 3/22/2016 <u>Completion</u> 2/28/17</p>
<p><b><u>SAN DIEGO PIPELINE AC-1</u></b> Clean &amp; CCTV, Post Video of 40,279 LF 8-Inch sanitary sewer, 889 Lateral Launch Video, SPR/CIPP Lining of 40,279 LF of 6", 8" and 10 -Inch sanitary sewer and installation of 889 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 1,040,214.00</p>	<p style="text-align: center;"><u>Start</u> 4/4/2016 <u>Completion</u> 10/18/2016</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>SPR Lining of 36-Inch Storm Drain</u></b> Clean &amp; CCTV 140 LF of 36-Inch Storm Drain under 805 Freeway Southbound Lane, Post Video</p>	<p>SKANSKA, Inc. 5196 Governor Drive, San Diego, California 92122 Keith Jackson (858) 646-0921</p>	<p>\$ 85,089.00</p>	<p><u>Start</u> 5/12/2016 <u>Completion</u> 5/14/2016</p>
<p><b><u>Sewer Rehabilitation Project No. 13</u></b> SPR/CIPP lining of 19,943 LF of 8-Inch diameter sanitary sewer, reinstate 459 House connections, Clean &amp; CCTV, Bypass Pumping</p>	<p>Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Joel Zaragoza (626) 458-4973</p>	<p>\$ 476,649.00</p>	<p><u>Start</u> 4/7/2016 <u>Completion</u> 11/8/2016</p>
<p><b><u>Sewer &amp; Water Group 834</u></b> Clean &amp; CCTV, Post Video of 8,996 LF 8-Inch sanitary sewer, Lateral Launch Video, SPR Lining of 975 LF of 10", 12" and 14 -Inch sanitary sewer and installation Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$ 109,284.50</p>	<p><u>Start</u> 3/21/2016 <u>Completion</u> 3/21/2017</p>
<p><b><u>LACDPW CRR. 436</u></b> CIPP lining of 598 LF of 18", 36" and 60-Inch diameter storm drain, Clean &amp; CCTV, Spot Repairs, Frame and Cover Installations</p>	<p>Los Angeles Dept. of Public Works 900 South Fremont Ave Alhambra, CA 90014 Fred Kheradvar (626) 458-4973</p>	<p>\$ 297,203.50</p>	<p><u>Start</u> 5/27/2016 <u>Completion</u> 7/13/2016</p>
<p><b><u>2016 SEWER MAIN CIPP REHABILITATION</u></b> Clean &amp; CCTV, Post Video of 3,700 LF 6", 8" and 10-Inch sanitary sewer, Traffic Control, Bypass Pumping.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Alex Thomas (714) 701-3115</p>	<p>\$ 189,823.00</p>	<p><u>Start</u> 4/14/2016 <u>Completion</u> 7/28/2016</p>
<p><b><u>SSRP P08 Daly Street &amp; Avenue 26</u></b> Clean &amp; CCTV, Rehabilitate 5,405 LF of 8-Inch Sanitary Sewer, Reinstale 163 Lateral Connections, Bypass Pumping, Post Video</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$ 258,160.00</p>	<p><u>Start</u> 12/12/2016 <u>Completion</u> 1/31/2018</p>
<p><b><u>City of Los Angeles ESRP #SWCO3077 - Avondale</u></b> Clean &amp; CCTV, Rehabilitate 292 LF of 8-Inch Sanitary Sewer, Reinstale Lateral Connections, Bypass Pumping, Post Video</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$ 14,600.00</p>	<p><u>Start</u> 6/2/16 <u>Completion</u> 6/2/2016</p>
<p><b><u>City of Los Angeles ESRP #SW02905 - Avondale</u></b> Clean &amp; CCTV, Rehabilitate 134 LF of 8-Inch Sanitary Sewer, Reinstale Lateral Connections, Bypass Pumping, Post Video</p>	<p>Williams Pipeline Contractors, PO Box 1120 Somis, CA 93066 John Williams (805) 207-0148</p>	<p>\$ 8,710.00</p>	<p><u>Start</u> 5/17/2016 <u>Completion</u> 5/17/2016</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>SANITARY SEWER MASTER PLAN PHASE 1</u></b> Clean &amp; CCTV, Post Video of 2,230 LF 8", 10" &amp; 12-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of South El Monte 1415 Santa Anita Avenue, South El Monte, CA 91733 Aidan Mousavi (626) 652-3110</p>	<p>\$163,798.00</p>	<p><u>Start</u> 6/7/2016 <u>Completion</u> 10/28/2016</p>
<p><b><u>2016 GRAVITY PIPELINE REHABILITATION PROJECT</u></b> Clean &amp; CCTV, CIPP Lining of 1,280 LF 8" &amp; 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p>\$ 240,000.00</p>	<p><u>Start</u> 7/28/2016 <u>Completion</u> 12/15/2016</p>
<p><b><u>Caltrans No. 08-OJ8104</u></b> Clean &amp; CCTV, SPR &amp; CIPP Lining of 1,160 LF of 18", 24", 30", 36" and 42-Inch Storm Drain, Pipe Repairs, Post Video</p>	<p>Dreambuilder 1324 E. Lawson Ln, Placentia, CA 92870 Anu Singh (714) 646-3697</p>	<p>\$ 311,540.00</p>	<p><u>Start</u> 1/9/2017 <u>Completion</u> 3/3/2017</p>
<p><b><u>HillTop Area Sewer Lining Project</u></b> Clean &amp; CCTV, CIPP Lining of 12,956 LF 6", 8", 10" &amp; 12-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of Redding 777 Cypress Avenue, Redding, CA 96001 Darren Langfield (530) 225-4469</p>	<p>\$ 519,330.00</p>	<p><u>Start</u> 7/5/2016 <u>Completion</u> 9/30/2016</p>
<p><b><u>Sewer &amp; Water Group 701</u></b> Clean &amp; CCTV, CIPP Lining of 1,280 LF 8" &amp; 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>City of San Diego 1200 Third Avenue., Ste. 200 San Diego, CA 92101 Luis Schaar, R.E. (619) 533-4641</p>	<p>\$ 27,864.75</p>	<p><u>Start</u> 3/5/2018 <u>Completion</u> 5/7/2017</p>
<p><b><u>Tyrian St and Soledad Ave and AC Water Main</u></b> Clean &amp; CCTV, CIPP Lining of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>PK Mechanical Systems, Inc. 21335 Bundy Canyon Road Wildomar, CA 92595 David Spindler (951) 245-5537</p>	<p>\$ 13,164.00</p>	<p><u>Start</u> 3/15/2017 <u>Completion</u> 3/17/2017</p>
<p><b><u>RFB 7402 San Diego San District</u></b> Clean &amp; CCTV, sectional Lining and Top Hat Installation, 8" VCP sanitary sewer.</p>	<p>County of San Diego 5560 South Overland Avenue, Suite B, San Diego CA 92123 Jaclyn Smith, (858) 505-6367</p>	<p>\$ 5,850.00</p>	<p><u>Start</u> 7/11/2016 <u>Completion</u> 7/12/2016</p>
<p><b><u>City of LA ESR 69th &amp; Vermont</u></b> Clean &amp; CCTV, CIPP Lining of 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$ 13,777.50</p>	<p><u>Start</u> 5/18/2016 <u>Completion</u> 5/19/2016</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<b>Fresno E. Home Avenue Sewer Rehab</b> Clean & CCTV, CIPP Lining of 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	City of Fresno 2600 Fresno Street, Room 2156 Fresno CA, 93721 Mike Brown (559) 621-1332	\$ 75,255.00	<u>Start</u> 3/15/2017 <u>Completion</u> 6/5/2017
<b>Pacific Beach Pipeline South</b> Video Inspecting 9,000 LF of Pipelines and Culverts for Acceptance.	TC Construction 10540 Prospect Avenue Santee, CA 92071 Elan Schier (619) 820-7811	\$ 41,207.00	<u>Start</u> 4/3/2017 <u>Completion</u> TBD
<b>6-Inch CIPP Lining at U.C.L.A</b> Clean & CCTV, CIPP Lining of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	PipeTec PO Box 2337 Irwindale, CA 91706 Mike Ashker (562) 699-3496	\$ 14,425.00	<u>Start</u> 6/17/2016 <u>Completion</u> 6/17/2016
<b>Mission Trails Collection - Santee 1</b> Video Inspecting 1,001 LF of Pipelines and Culverts for Acceptance.	Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822	\$ 2,862.00	<u>Start</u> 9/1/2016 <u>Completion</u> (R) <u>11/29/2016</u>
<b>City of El Monte – Sewer Lining Project</b> Clean & CCTV, CIPP Lining of 8-Inch and 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	City of El Monte 11333 Valley Blvd El Monte CA 91732 Richard Ruyle (626) 808-1909	\$ 163,098.00	<u>Start</u> 9/27/2016 <u>Completion</u> 11/23/2016
<b>Ross Valley Sanitation</b> Clean & CCTV, CIPP Lining of 22,202 LF of 6-Inch and 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.	Ranger Pipelines 1790 Yosemite Ave. San Francisco, CA 94124 Tom Grover (415) 822-3700	\$ 864,999.50	<u>Start</u> 6/12/2017 <u>Completion</u> 5/1/2018
<b>Via De La Valle bridge in Del Mar, CA</b> Clean & CCTV, CIPP Lining of 10-Inch Ductile Iron Pipe, Traffic Control	PAL General Engineering 10675 Treena Street, Ste. 103 San Diego, CA 92131 Diana Hsu (858) 860-5300	\$ 24,235.50	<u>Start</u> 10/26/2016 <u>Completion</u> 10/26/2016
<b>Pipeline Rehabilitation AM-1</b> Clean & CCTV, Post Video of 41,127 LF 8-Inch sanitary sewer, 1,127 Lateral Launch Video, SPR/CIPP Lining of 41,127 LF of 8-Inch sanitary sewer and installation of 1,127 Top Hats	Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822	\$ 1,755,384.50	<u>Start</u> 11/15/2016 <u>Completion</u> (R) 9/23/2019





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b>Fresno Sewer Rehabilitation in Congo and H-Broadway Downtown</b> Clean &amp; CCTV, CIPP Lining of 1,441 LF of 8-Inch and 10-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p style="text-align: center;">\$ 114,434.50</p>	<p style="text-align: center;"><u>Start</u> April 2017 <u>Completion</u> 4/15/2018</p>
<p><b>Massachusetts Avenue Sewer Improvements - La Mesa</b> Clean &amp; CCTV, CIPP Lining of 937 LF of 6-Inch, 8-Inch and 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>S.C. Valley Engineering, Inc. 656 Front St. El Cajon, CA 92020 Kevin Prescott (619) 444-2366</p>	<p style="text-align: center;">\$ 85,709.81</p>	<p style="text-align: center;"><u>Start</u> 12/12/2016 <u>Completion</u> 2/3/2017</p>
<p><b>Sewer Capital Improvements – Lemon Grove</b> Clean &amp; CCTV, CIPP Lining of 112 LF of 6-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>S.C. Valley Engineering, Inc. 656 Front St. El Cajon, CA 92020 Kevin Prescott (619) 444-2366</p>	<p style="text-align: center;">\$ 10,080.00</p>	<p style="text-align: center;"><u>Start</u> 6/1/2015 <u>Completion</u> (R) 10/31/2017</p>
<p><b>Val Sereno Storm Drain Rehabilitation &amp; Extension</b> Clean &amp; CCTV, CIPP Lining of 143LF of 24-Inch storm drain, clearing and grubbing, Traffic Control, Concrete Headwall, Invert Paving Repairs.</p>	<p>City of Encinitas 505 S. Vulcan Avenue Encinitas, CA 92024 Kipp Hefner (760) 633-2775</p>	<p style="text-align: center;">\$ 49,000.00</p>	<p style="text-align: center;"><u>Start</u> 10/27/2016 <u>Completion</u> 11/7/2016</p>
<p><b>Small Diameter Sewer Rehabilitation - 2017-1</b> Clean &amp; CCTV, CIPP Lining of 143LF of 24-Inch storm drain, clearing and grubbing, Traffic Control, Concrete Headwall, Invert Paving Repairs.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$ 253,674.00</p>	<p style="text-align: center;"><u>Start</u> 3/1/2017 <u>Completion</u> 3/28/2017</p>
<p><b>Fresno Sewer Rehab &amp; Replace in N Central Downtown</b> Clean &amp; CCTV, CIPP Lining of 857 LF of 6-Inch sanitary sewer, lateral reinstatement.</p>	<p>Bill Nelson GEC, Inc. 2741 E. Malaga Avenue Fresno, CA 93725 Jeff Nelson (559) 439-1756</p>	<p style="text-align: center;">\$ 83,942.59</p>	<p style="text-align: center;"><u>Start</u> 4/5/2017 <u>Completion</u> 5/31/2017</p>
<p><b>Trenchless Repair Replacement &amp; Rehab Los Alamos</b> Clean &amp; CCTV, SPR Lining of 1,450 LF of 8-Inch sanitary sewer, lateral reinstatement.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$ 106,515.00</p>	<p style="text-align: center;"><u>Start</u> 12/12/2016 <u>Completion</u> 12/16/2016</p>
<p><b>Rehabilitation of 2 Sewer Lift Stations 24th St &amp; Oak St</b> Clean &amp; CCTV, CIPP Lining of 486 LF of 15-Inch sanitary sewer, lateral reinstatement.</p>	<p>GSE Construction Company, Inc. 6950 Preston Avenue Livermore, CA 94551 Alexia Leon (925) 447-0292</p>	<p style="text-align: center;">\$ 53,415.00</p>	<p style="text-align: center;"><u>Start</u> 4/5/2017 <u>Completion</u> 10/17/2017</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Yorba Linda Water District 8in DIP</u></b> Clean &amp; CCTV, CIPP Lining of 208 LF of 8-Inch Ductile Iron sanitary sewer, lateral reinstatement.</p>	<p>Murrieta Development Inc. 42540 Rio Nedo Rd. Temecula, CA 92590 Bill Estrada (909) 721-0362</p>	<p style="text-align: center;">\$ 12,376.00</p>	<p style="text-align: center;"><u>Start</u> 11/16/2016 <u>Completion</u> 11/16/2016</p>
<p><b><u>City of Bell - Sewer Modernization Project</u></b> Clean &amp; CCTV, CIPP Lining of 4,839LF of 8-Inch sanitary sewer, lateral reinstatement.</p>	<p>Tunnelworks Services Inc. 13502-H Whittier Blvd. Ste. 165 Whittier, CA 90605 William Duarte (562) 553-2734</p>	<p style="text-align: center;">\$ 142,862.75</p>	<p style="text-align: center;"><u>Start</u> 2/14/2017 <u>Completion</u> 4/10/2017</p>
<p><b><u>I-25 South 18-Inch Sanitary Sewer</u></b> Clean &amp; CCTV, SPR Lining of 550 LF of 18-Inch sanitary sewer, lateral reinstatement.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$ 168,440.00</p>	<p style="text-align: center;"><u>Start</u> 12/15/2016 <u>Completion</u> 3/31/2017</p>
<p><b><u>Pipeline Rehabilitation AG-1</u></b> Clean &amp; CCTV, SPR/CIPP Lining of 35,992 LF of 8-Inch sanitary sewer and installation of 797 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 1,414,852.50</p>	<p style="text-align: center;"><u>Start</u> 4/3/2017 <u>Completion</u> (R) 4/15/19</p>
<p><b><u>Bonillo Drive Storm Drain</u></b> Cleaning and Video Inspection of 24" Storm Drain</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 2,169.11</p>	<p style="text-align: center;"><u>Start</u> 2/7/2017 <u>Completion</u> 2/7/2017</p>
<p><b><u>Lemon Drive 8-Inch Lining</u></b> Clean &amp; CCTV, CIPP Lining of 10 LF of 10-Inch sanitary sewer.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Diane Dalton (714) 701-3115</p>	<p style="text-align: center;">\$ 7,385.00</p>	<p style="text-align: center;"><u>Start</u> 3/10/2017 <u>Completion</u> 3/10/2017</p>
<p><b><u>Sunset Lane Easement 8-Inch Lining</u></b> Clean &amp; CCTV, CIPP Lining of 345 LF of 8-Inch sanitary sewer.</p>	<p>Yorba Linda Water District 1717 E. Miraloma Avenue, Placentia, CA 92870 Diane Dalton (714) 701-3115</p>	<p style="text-align: center;">\$ 17,424.75</p>	<p style="text-align: center;"><u>Start</u> 2/27/2017 <u>Completion</u> 2/27/2017</p>
<p><b><u>Sierra Madre Rehab Project</u></b> Clean &amp; CCTV, CIPP Lining of 2,785LF of 8-Inch sanitary sewer.</p>	<p>City of Sierra Madre 232 W. Sierra Madre Blvd Sierra Madre, CA Chris Cimino (626) 335-6615</p>	<p style="text-align: center;">\$ 150,752.50</p>	<p style="text-align: center;"><u>Start</u> 4/6/2017 <u>Completion</u> 6/23/2017</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b>City of Pasadena - La Loma</b> Clean &amp; CCTV, CIPP Lining of 140LF of 8-Inch sanitary sewer, Bypass Pumping.</p>	<p>Ramona Inc 302 N 1st Ave Ste 1 Arcadia, CA 91006 Michael Grbavac (626) 355-1350</p>	<p>\$ 12,950.00</p>	<p><u>Start</u> 3/9/2017 <u>Completion</u> 3/9/2017</p>
<p><b>North Long Beach Sewer Improvement Project</b> Clean &amp; CCTV, CIPP Lining of 4,229LF of 8-Inch, 10-inch and 12-inch sanitary sewer, Bypass Pumping, Traffic Control, Top Hats, Point Repairs.</p>	<p>City of Long Beach 1800 East Wardlow Road, Long Beach, CA 90807 Valeri Karaknov (562) 570-2419</p>	<p>\$ 529,504.35</p>	<p><u>Start</u> 10/2/2017 <u>Completion</u> 12/18/2017</p>
<p><b>2017 CMP Storm Drain Relining and Point Repair</b> Clean &amp; CCTV, CIPP Lining of 912LF of 12-Inch, 15-inch and 18-inch &amp; 21-Inch storm drain, Point Repairs, Traffic Control,</p>	<p>City of Pasadena 100 N. Garfield Ave, Pasadena, CA 91109 Diego Juarez (626) 744-3921</p>	<p>\$ 201,368.10</p>	<p><u>Start</u> 3/5/2018 <u>Completion</u> (R) 6/21/2018</p>
<p><b>CalTrans 12-0Q0604 Huntington Beach CA</b> Clean &amp; CCTV, CIPP Lining of 1,100LF of 12-Inch, 18-inch and 24-Inch storm drain, Point Repairs, Traffic Control,</p>	<p>Jabra Contracting 1813 Manzanita Lane, Manhattan Beach, CA 90266 Bob Collins (310) 545-5015</p>	<p>\$ 113,650.00</p>	<p><u>Start</u> 12/4/2017 <u>Completion</u> 11/6/2017</p>
<p><b>La Mesa 24-Inch Storm Drain</b> CCTV Inspection 24-Inch storm drain</p>	<p>Wayne Pointer 4740 Alta Rica Drive La Mesa, CA 91941 (619) 818-1116</p>	<p>\$ 660.00</p>	<p><u>Start</u> 3/8/2016 <u>Completion</u> 3/8/2016</p>
<p><b>Water &amp; Sewer Group 954</b> Clean &amp; CCTV 1,816LF, CIPP Lining of 1,316LF of 8-Inch sanitary sewer, Traffic Control,</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$ 55,710.00</p>	<p><u>Start</u> 4/25/2017 <u>Completion</u> 11/3/2018</p>
<p><b>Imperial Beach – Sewer Pump Station 4 &amp; 6 Rehabilitation</b> Clean &amp; CCTV 128LF, CIPP Lining of 128 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control,</p>	<p>NEWest Construction 9235 Trade Pl. Suite A, San Diego, CA 92126 Corey Jennette (858) 436-4880</p>	<p>\$ 14,164.00</p>	<p><u>Start</u> 4/7/2017 <u>Completion</u> 4/13/2017</p>
<p><b>Goleta West Sanitary District Project #16-04</b> Clean &amp; CCTV 5,882 LF, SPR &amp; CIPP Lining of 5,882 LF of 6", 8", 10", 12" 15" &amp; 18-Inch sanitary sewer, Bypass Pumping, Traffic Control, Manhole Rehabilitation at various locations.</p>	<p>Goleta West Sanitary District PO Box 4 Goleta, CA 93116 Mark Nation (805) 968-2617</p>	<p>\$ 566,502.00</p>	<p><u>Start</u> 7/27/2017 <u>Completion</u> 12/8/2017</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>CalTrans No. 07-3W1104 Place Pipeliner &amp; Repair Culverts</u></b> Clean &amp; CCTV, CIPP Lining of 1,400 LF of 18-Inch, 24-inch and 39-Inch storm drain in various locations of San Fernando CA</p>	<p>Jabra Contracting 1813 Manzanita Lane, Manhattan Beach, CA 90266 Bob Collins (310) 545-5015</p>	<p style="text-align: center;">\$ 236,767.50</p>	<p style="text-align: center;"><u>Start</u> 7/10/2017 <u>Completion</u> 9/29/2017</p>
<p><b><u>San Diego Sewer Group 818</u></b> Clean &amp; CCTV 133LF, CIPP Lining of 133LF of 6-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Dick Miller Jean Grace (760) 471-6842 ext 13</p>	<p style="text-align: center;">\$ 18,569.75</p>	<p style="text-align: center;"><u>Start</u> 6/18/2018 <u>Completion</u> 10/6/2018</p>
<p><b><u>San Diego - AC Water &amp; Sewer Group 1017</u></b> Clean &amp; CCTV 350 LF, CIPP Lining of 350LF of 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 20,650.00</p>	<p style="text-align: center;"><u>Start</u> 10/20/2017 <u>Completion</u> (R) 4/30/2019</p>
<p><b><u>Lake Arrowhead Shelter Cove Agua-Fria</u></b> Clean &amp; CCTV 3,170 LF, CIPP Lining of 3,170LF of 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>Lake Arrowhead Community Services District 27307 State Highway 189, Blue Jay, CA Richard Pretzinger (909) 336-7139</p>	<p style="text-align: center;">\$ 325,329.00</p>	<p style="text-align: center;"><u>Start</u> 8/7/2017 <u>Completion</u> 10/31/2017</p>
<p><b><u>San Diego - AC Water &amp; Sewer Group 955</u></b> Post Video Inspection 1,796LF various diameters</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 4,041.00</p>	<p style="text-align: center;"><u>Start</u> 3/13/2018 <u>Completion</u> 10/20/2018</p>
<p><b><u>La Mesa 8-Inch Cast Iron Pipe</u></b> Clean &amp; CCTV 8" Cast Iron Pipe x 450ft</p>	<p>PSOMAS 401 B Street, Suite San Diego, CA 92101 Sean Diaz (619) 961-2812</p>	<p style="text-align: center;">\$ 4,000.00</p>	<p style="text-align: center;"><u>Start</u> 6/1/2017 <u>Completion</u> 6/30/2017</p>
<p><b><u>Leucadia 18-Inch Ductile Iron Pipe Rehabilitation</u></b> Clean &amp; CCTV, Cured In Place Lining and end seal 18" Ductile Iron Pipe</p>	<p>CCL Contracting Inc 1938 Don Lee Pl Escondido, CA 92029 Rod Chilcote (760) 743-2254</p>	<p style="text-align: center;">\$ 39,232.00</p>	<p style="text-align: center;"><u>Start</u> 7/23/2017 <u>Completion</u> 7/26/2017</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Sewer Rehabilitation in N Abby and E Hammond</u></b> Clean &amp; CCTV 1,714 LF, SPR Lining of 1,714 LF of 20-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control,</p>	<p>City of Fresno 2600 Fresno Street, Room 2015, Fresno, CA 93721 Jesus Gonzales (559) 621-1332</p>	<p>\$ 702,673.50</p>	<p><u>Start</u> 3/16/2018 <u>Completion</u> 5/24/2018</p>
<p><b><u>LACDPW - Project No. 15</u></b> Clean &amp; CCTV 22,132 LF, SPR &amp; CIPP Lining of 22,132 LF of 8", 10"and 12-Inch sanitary sewer, Bypass Pumping, Traffic Control, Point Repairs at various locations.</p>	<p>LACDPW 900 South Fremont Ave Alhambra, CA 90014 Fred Kheradvar (626) 458-4973 Office</p>	<p>\$ 664,667.00</p>	<p><u>Start</u> 10/3/2017 <u>Completion</u> 1/16/2018</p>
<p><b><u>Beale Air Force Base - Repair Sub Basins 1, 2, 3, 9 and MUNS</u></b> Clean &amp; CCTV 5,638 LF, CIPP Lining of 5,638 LF of 6", 8", 10"and 12" and 21-Inch sanitary sewer, Bypass Pumping, Traffic Control, Point Repairs at various locations.</p>	<p>Allright Construction Inc 1485 S. Industrial Way Kerman, CA 93630 Steve Martinez (559) 284-3236</p>	<p>\$ 522,566.00</p>	<p><u>Start</u> 7/31/2018 <u>Completion</u> 9/29/2018</p>
<p><b><u>2016-2017 Citywide Annual Sewer Rehabilitation</u></b> Clean &amp; CCTV 17,980 LF, CIPP Lining of 17,980 LF of 6", 8", 10"and 14-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control, Manhole Rehabilitation Point Repairs at various locations.</p>	<p>City of Encinitas 505 S. Vulcan Avenue Encinitas, CA 92024 Kipp Hefner (760) 633-2775</p>	<p>\$ 1,351,415.75</p>	<p><u>Start</u> 11/6/2017 <u>Completion</u> 5/18/2019</p>
<p><b><u>Monrovia Renewal – Northwest Area Infrastructure Improvements Project</u></b> Clean &amp; CCTV 6,035 LF, CIPP Lining of 6,035LF of 6"and 8-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control, Manhole Rehabilitation Point Repairs at various locations.</p>	<p>Sully-Miller Contracting, Inc. 135 S. State College Blvd, Brea CA 92821 Jesse Flores (714) 578-9600</p>	<p>\$ 335,935.00</p>	<p><u>Start</u> 11/15/2017 <u>Completion</u> (R) 3/31/19</p>
<p><b><u>Sewer System Repair Project- Montclair CA</u></b> Clean &amp; CCTV 766 LF, CIPP Lining of 766 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control at various locations.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 John Gavigan (626) 480-1442</p>	<p>\$ 31,980.50</p>	<p><u>Start</u> 9/18/2017 <u>Completion</u> 10/9/2017</p>
<p><b><u>Sewer and AC Water Group 764A</u></b> Clean &amp; CCTV 7,791 LF, CIPP Lining of 617 LF of 8-Inch sanitary sewer, Bypass Pumping, Traffic Control at various locations.</p>	<p>KTA Construction 821 Tavern Rd. Alpine, CA Adam Ogden (619) 562-9464</p>	<p>\$ 46,611.00</p>	<p><u>Start</u> 2/13/2018 <u>Completion</u> 2/15/2019</p>
<p><b><u>Techite Sewer Replacement, Diversion Structure- Padre Dam</u></b> Clean &amp; CCTV 390 LF, CIPP Lining of 390 LF of 6-Inch sanitary sewer, Top Hats, Bypass Pumping, Traffic Control at various locations.</p>	<p>Charles King Company 2841 Gardena Avenue Signal Hill, CA 90755 Scott King (562) 426-2974</p>	<p>\$ 36,864.00</p>	<p><u>Start</u> 1/24/2018 <u>Completion</u> 3/31/2018</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Sewer Rehabilitation Project 2016/2017</u></b> Clean &amp; CCTV 8,620 LF, CIPP Lining of 8,620 LF of 8” and 10-Inch sanitary sewer, Top Hats, Bypass Pumping, Point Repairs and Traffic Control at various locations.</p>	<p>City of West Hollywood 5 Hutton Centre Drive, Suite 500 Santa Ana, CA 92707 Kieler Smith (949) 330-4172</p>	<p style="text-align: center;">\$ 861,970.00</p>	<p style="text-align: center;"><u>Start</u> 12/11/2017 <u>Completion</u> 9/22/2018</p>
<p><b><u>2017 CMP Repairs – City of Poway</u></b> Clean &amp; CCTV 1,031 LF, CIPP Lining of 1,031 LF of 18” and 24-Inch storm drain, Invert Repairs, Point Repairs and Traffic Control at various locations.</p>	<p>City of Poway 13325 Civic Center Drive Poway, CA 92064 Brian Banzuelo (858) 668-4623</p>	<p style="text-align: center;">\$ 318,244.00</p>	<p style="text-align: center;"><u>Start</u> 11/10/2017 <u>Completion</u> 12/27/2017</p>
<p><b><u>18-inch Storm Drain Rehabilitation</u></b> Clean &amp; CCTV 1,308 LF, CIPP Lining of 1,280 LF of 18” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>The Gill Company 28069 Diaz Rd, Suite B Temecula, CA 92590 Darren Gill (951)501-5623</p>	<p style="text-align: center;">\$ 108,191.00</p>	<p style="text-align: center;"><u>Start</u> 12/11/2017 <u>Completion</u> 2/1/2018</p>
<p><b><u>JOC Task P15S004</u></b> Clean &amp; CCTV 69 LF, CIPP Lining of 69 LF of 24” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 12,915.00</p>	<p style="text-align: center;"><u>Start</u> 4/26/2018 <u>Completion</u> 4/26/2018</p>
<p><b><u>Caltrans – Contract No. 08-0Q6804</u></b> Clean &amp; CCTV 520 LF, CIPP Lining of 520 LF of 18” &amp; 24” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>American Pacific Construction 7161 Citrus Valley Ave Eastvale, CA 92880 Ashish Sehgal (559) 577-9999</p>	<p style="text-align: center;">\$ 130,875.00</p>	<p style="text-align: center;"><u>Start</u> 2/1/2018 <u>Completion</u> 4/25/2018</p>
<p><b><u>Caltrans – Contract No. 08-0Q6904</u></b> Clean &amp; CCTV 1,810 LF, CIPP Lining of 1,810 LF of 24” and 30” storm drain, invert grouting and Traffic Control at various locations.</p>	<p>United Engineering &amp; Cons., Inc., 336 N. Central Ave. 10A Glendale, CA 91203 Reza Fard (818) 662-8055</p>	<p style="text-align: center;">\$ 381,090.00</p>	<p style="text-align: center;"><u>Start</u> 2/1/2018 <u>Completion</u> 5/23/2018</p>
<p><b><u>Lake Helix Sewer Rehabilitation</u></b> Clean &amp; CCTV 344LF LF, CIPP Lining of 344LF of 8” sanitary sewer, invert grouting and Traffic Control at various locations.</p>	<p>United Engineering &amp; Cons., Inc., 336 N. Central Ave. 10A Glendale, CA 91203 Reza Fard (818) 662-8055</p>	<p style="text-align: center;">\$ 381,090.00</p>	<p style="text-align: center;"><u>Start</u> 2/1/2018 <u>Completion</u> 5/23/2018</p>
<p><b><u>FY2016/17 Gravity Sewer Rehabilitation Project</u></b> Clean &amp; CCTV, CIPP Lining of 24,064 LF of 6-Inch and 8-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Ranger Pipelines 1790 Yosemite Ave. San Francisco, CA 94124 Tom Grover (415) 822-3700</p>	<p style="text-align: center;">\$ 1,072,720.00</p>	<p style="text-align: center;"><u>Start</u> 7/24/2018 <u>Completion</u> 10/30/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b>Rehabilitate 10-Inch Siphon</b> Clean &amp; CCTV, CIPP Lining of 250 LF of 10-Inch sanitary sewer siphon, Traffic Control, Bypass Pumping.</p>	<p>City of Laguna Beach Water Quality Department 505 Forest Avenue Laguna Beach, CA 92651 Hannah Johnson (949) 464-6615</p>	<p style="text-align: center;">\$ 56,625.00</p>	<p style="text-align: center;"><u>Start</u> 12/1/2017 <u>Completion</u> 12/5/2017</p>
<p><b>Culvert Repair and Replacement Fiscal Year 2016-17, Oracle Project No. 1020695</b> Clean &amp; CCTV, CIPP Lining of 721 LF of 18", 24", 30", 42" and 71 x 47-Inch storm drain, Traffic Control and invert repairs.</p>	<p>Tri-Group Construction 9580 Black Mountain Road, Ste L San Diego CA, 92126 Hani Assi (858) 689-0058</p>	<p style="text-align: center;">\$ 262,898.00</p>	<p style="text-align: center;"><u>Start</u> 2/22/2018 <u>Completion</u> 5/30/2018</p>
<p><b>CIPP Lining of 18" CMP Storm Drain &amp; Void Repair</b> Clean &amp; CCTV, CIPP Lining of 100 LF of 18-Inch storm drain, Traffic Control and invert repairs.</p>	<p>City of Buena Park 6955 Aragon Circle Buena Park, Ca 90622 Frank Moore (714) 562-3708</p>	<p style="text-align: center;">\$ 30,000.00</p>	<p style="text-align: center;"><u>Start</u> 12/18/2018 <u>Completion</u> 12/22/2018</p>
<p><b>Regal Road Sewer Main Extension</b> Clean &amp; CCTV 133 LF of 8-Inch sanitary sewer and Traffic Control.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 1,100.00</p>	<p style="text-align: center;"><u>Start</u> 1/18/2018 <u>Completion</u> 1/18/2018</p>
<p><b>Sewer &amp; Water Group -701</b> Clean &amp; CCTV 10,013 LF of 8-Inch sanitary sewer, Rehabilitate 8-inch Sewer, Top Hats and Traffic Control.</p>	<p>Ortiz Corporation 2000 Mc Kinley Avenue National City, CA 91950 Jose Ortiz (619) 434-7925</p>	<p style="text-align: center;">\$ 27,864.00</p>	<p style="text-align: center;"><u>Start</u> 3/5/2018 <u>Completion</u> (R) 6/15/2018</p>
<p><b>Brio &amp; Symphony 12" CIPP</b> Clean &amp; CCTV 336 LF of 12-Inch sanitary sewer, Rehabilitate 12-inch Sewer and Traffic Control.</p>	<p>National Plant Services, Inc. 1461 Harbor Avenue Long Beach, CA 90813 Jeff Garcia (562) 436-7600</p>	<p style="text-align: center;">\$ 26,880.00</p>	<p style="text-align: center;"><u>Start</u> 2/6/2018 <u>Completion</u> 2/6/2018</p>
<p><b>Contract No. 02-4G2504 Replace and Rehabilitate Culverts, and Construct RSP</b> Clean &amp; CCTV 460 LF of 21" &amp; 24-Inch storm drain, Rehabilitate 21" &amp; 24-inch storm drain with SPR.</p>	<p>R. Brown Construction Company, Inc. P.O. Box 406 Willow Creek, CA 95573 Roger Brown (530) 629-3702</p>	<p style="text-align: center;">\$ 154,060.00</p>	<p style="text-align: center;"><u>Start</u> 7/1/2018 <u>Completion</u> 7/28/2018</p>
<p><b>Ceres Trunk Rehabilitation Project No. 2017-23</b> Clean &amp; CCTV 723 LF of 21-Inch sanitary sewer, Rehabilitate 21-inch sanitary sewer with cured in place liner.</p>	<p>Rolfe Construction 3573 Southern Pacific Ave Atwater, CA 95301 Jorge C. Avelar (209) 358-5548</p>	<p style="text-align: center;">\$ 133,241.00</p>	<p style="text-align: center;"><u>Start</u> 3/19/2019 <u>Completion</u> 3/21/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Caltrans 08-0Q6904 Culvert Repair</u></b> Clean &amp; CCTV 1,810 LF of 24" &amp; 30-Inch storm drain, Rehabilitate 21" &amp; 24-inch storm drain with CIPP, Cement Spray &amp; SPR lining systems.</p>	<p>United Engineering &amp; Construction, Inc., 336 N. Central Ave. 10A Glendale, CA 91203 Reza Fard (818) 662-8055</p>	<p style="text-align: center;">\$ 981,090.00</p>	<p style="text-align: center;"><u>Start</u> 2/21/2018 <u>Completion</u> 6/23/2018</p>
<p><b><u>FY 2018 Gravity Pipeline CIPP Lining Rehabilitation Project</u></b> Clean &amp; CCTV 7,410 LF of 8", 12" 14" &amp; 15-Inch sanitary sewer, Point repairs, top hats, manhole rehab.</p>	<p>Leucadia Wastewater Division 1960 La Costa Avenue, Carlsbad, CA 92009 Robin Morishita (760) 753-0155</p>	<p style="text-align: center;">\$ 667,998.00</p>	<p style="text-align: center;"><u>Start</u> 5/21/2018 <u>Completion</u> (R) 7/29/19</p>
<p><b><u>Renewal South Area Infrastructure Improvements</u></b> Clean &amp; CCTV 2,850 LF of 6", 8" &amp; 15-Inch sanitary sewer, Point repairs, top hats, sectional lining.</p>	<p>Sequel Contractors, Inc 13546 Imperial Hwy., Santa Fe Springs, CA 90670</p>	<p style="text-align: center;">\$ 215,569.00</p>	<p style="text-align: center;"><u>Start</u> 7/2/2018 <u>Completion</u> 1/17/2019</p>
<p><b><u>Pipeline Rehabilitation AK-1</u></b> Clean &amp; CCTV, SPR/CIPP Lining of 29,295 LF of 8-Inch sanitary sewer and installation of 497 Top Hats</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p style="text-align: center;">\$ 993,200.00</p>	<p style="text-align: center;"><u>Start</u> 4/25/2018 <u>Completion</u> (R) 7/3/2019</p>
<p><b><u>Cal State San Bernardino Sewer Lining Quote</u></b> Clean &amp; CCTV, SPR/CIPP Lining of 380 LF of 6-Inch and 10-Inch sanitary sewer.</p>	<p>W.A. Rasic Construction Company, Inc. 4150 Long Beach Blvd. Long Beach, CA 90807 Keith Fouts (562) 928-6111</p>	<p style="text-align: center;">\$ 35,700.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>City of San Diego - Water and Sewer Group 966</u></b> Clean &amp; CCTV 3,462LF, SPR/CIPP Lining of 477 LF of 12-Inch sanitary sewer and installation of 2 Top Hats</p>	<p>El Cajon Grading &amp; Engineering Co. Inc P.O. Box 967 Lakeside, Ca 92040 Wendy Frisch (619) 561-9840</p>	<p style="text-align: center;">\$ 49,355.00</p>	<p style="text-align: center;"><u>Start</u> 9/20/2018 <u>Completion</u> 10/29/2018</p>
<p><b><u>8-Inch Sanitary Sewer Rehabilitation</u></b> Clean &amp; CCTV 640 LF, CIPP Lining of 640 LF of 8-Inch sanitary sewer and Top Hats</p>	<p>City of Carlsbad 1200 Carlsbad Village Drive Carlsbad, CA 92008 Don Wasco (619) 561-9840</p>	<p style="text-align: center;">\$ 30,665.00</p>	<p style="text-align: center;"><u>Start</u> 6/22/2018 <u>Completion</u> 6/25/2018</p>
<p><b><u>Lining of IVY Glenn Drive Storm Drain Facilities</u></b> Clean &amp; CCTV 1,200LF, CIPP Lining of 1,200 LF of 18-Inch storm drain.</p>	<p>City of Laguna Niguel, Public Works Department 30111 Crown Valley Pkwy Laguna Niguel, CA 92677 JC Herrera (949) 362-4337</p>	<p style="text-align: center;">\$ 95,000.00</p>	<p style="text-align: center;"><u>Start</u> 5/2/2018 <u>Completion</u> 6/15/2018</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b>Country Club Infiltration Project</b> Clean &amp; CCTV 2,620LF, CIPP Lining of 2,620 LF of 18", 24", 36" 42" &amp; 48-Inch storm drain. Point Repairs Dewatering.</p>	<p>City of Coronado 1825 Strand Way, Coronado, CA 92118 Katherine Odiorne (619) 522-2424</p>	<p>\$ 1,370,000.00</p>	<p><u>Start</u> 5/24/2018 <u>Completion</u> 12/21/2018</p>
<p><b>City of San Joaquin - Sewer Collection System Improvements Project</b> Clean &amp; CCTV 17,585 LF of 6', 8", 10", 12" &amp; 16-Inch sanitary sewer, Rehabilitate 17,585 LF various diameters sanitary sewer with cured in place liner.</p>	<p>Rolfe Construction 3573 Southern Pacific Ave Atwater, CA 95301 Jorge C. Avelar (209) 358-5548</p>	<p>\$ 598,972.50</p>	<p><u>Start</u> 8/7/2018 <u>Completion</u> 4/27/2019</p>
<p><b>El Cajon Sewer &amp; Storm Drain Repair &amp; Replacement</b> Clean &amp; CCTV 8,589 LF of 6-inch to 60-Inch sanitary sewer &amp; storm drain, Rehabilitate 8,589 LF various diameters sanitary sewer and storm drain with cured in place liner.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$ 701,604.00</p>	<p><u>Start</u> 6/11/2018 <u>Completion</u> 3/11/2019</p>
<p><b>San Rafael Storm Drain (Lindaro Pump Station)</b> Clean &amp; CCTV 250LF, CIPP Lining of 250 LF of 24-Inch storm drain. Point Repairs Dewatering.</p>	<p>Terra Pacific Group 201 N. Civic Drive, Suite 135 Walnut Creek, CA 94596 Pat Barrese (925) 667-7464</p>	<p>\$ 202,750.00</p>	<p><u>Start</u> 9/24/2019 <u>Completion</u> 9/26/2019</p>
<p><b>Caltrans 12-0Q7504 Culvert Repair</b> Clean &amp; CCTV 1,730 LF of 18", 24" &amp; 30-Inch storm drain, Rehabilitate 18", 24" &amp; 30-inch storm drain with CIPP lining system.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$ 199,140.00</p>	<p><u>Start</u> 9/17/2018 <u>Completion</u> (R) 1/29/2018</p>
<p><b>Lake Helix Sewer Rehabilitation</b> Clean &amp; CCTV 344 LF of 8 cast-iron sanitary sewer, Rehabilitate with CIPP lining system.</p>	<p>City of La Mesa 8130 Allison Avenue La Mesa CA, 91942 Casey Crown (619) 667-1380</p>	<p>\$ 48,422.00</p>	<p><u>Start</u> 7/17/2018 <u>Completion</u> 8/31/2018</p>
<p><b>Sanitary Sewer Rehab and Replacement Prgm Project</b> <u>1</u> Clean &amp; CCTV 10,594 LF of 8", 10" &amp; 12" sanitary sewer, UV Sectionals &amp; Top Hats, Rehabilitate with CIPP lining system.</p>	<p>City of Long Beach 333 W. Ocean Blvd/7th Floor Long Beach, CA 90802 Valeri Karakanov (562) 570-2331</p>	<p>\$ 575,000.00</p>	<p><u>Start</u> 10/9/2018 <u>Completion</u> (R) 3/27/2019</p>
<p><b>RFP - Sewer Cured in Place Pipe Repairs 2018</b> Clean &amp; CCTV 3,308 LF of 8" &amp; 10" sanitary sewer, Top Hats, Rehabilitate with CIPP lining system.</p>	<p>Padre Dam Municipal Water District 9300 Fanita Parkway Santee, CA 719003 (619) 258-4635</p>	<p>\$ 200,003.00</p>	<p><u>Start</u> 9/27/2018 <u>Completion</u> (R) 5/14/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Santa Barbara – Anacapa St 8” Emergency</u></b> Clean &amp; CCTV 290 LF of 8” sanitary sewer. Rehabilitate with SPR lining system.</p>	<p>City of Santa Barbara Public Works 630 Garden Street Santa Barbara, CA 93101 Bradley Rahrer (619) 258-4635</p>	<p>\$ 36,270.00</p>	<p><u>Start</u> 6/19/2018 <u>Completion</u> 6/19/2018</p>
<p><b><u>CalTrans 07-3W9704 -105 Freeway</u></b> Clean &amp; CCTV 1,320 LF of 18”, 24”, 30” &amp; 36” CMP storm drain. Rehabilitate with CIPP lining system.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$ 227,790.00</p>	<p><u>Start</u> 8/7/2018 <u>Completion</u> 11/17/2018</p>
<p><b><u>2018 Sewer Main Rehabilitation Project</u></b> Clean &amp; CCTV 14,425 LF of 8” &amp; 10” rehabilitate sanitary sewer with CIPP lining system.</p>	<p>Ojai Valley Sanitary District 1072 Tico Road Ojai , CA 93023 Jon Turner (805) 658-6800</p>	<p>\$ 425,000.00</p>	<p><u>Start</u> 10/8/2018 <u>Completion</u> 4/20/2019</p>
<p><b><u>CIP 18-100 CIPP Lining of Sanitary Sewer System</u></b> Clean &amp; CCTV 30,480 LF of 6”, 8”, 10”, 15” &amp; 18” rehabilitate sanitary sewer with CIPP lining system.</p>	<p>City of Laguna Beach 505 Forest Avenue Laguna Beach, CA 92651 Hannah Johnson (949) 464-6615</p>	<p>\$ 1,259,748.00</p>	<p><u>Start</u> 9/6/2018 <u>Completion</u> (R) 10/22/2019</p>
<p><b><u>Summerland Emergency 8” Cast Iron Repair</u></b> Clean &amp; CCTV 150 LF of 8”, rehabilitate sanitary sewer with SPR lining system.</p>	<p>CUSHMAN CONTRACTING CORP. P.O. Box 147 Goleta, California Blair Cushman (805) 964-8661</p>	<p>\$ 30,025.00</p>	<p><u>Start</u> 8/27/2018 <u>Completion</u> 8/28/2018</p>
<p><b><u>ESR City of Los Angeles - Bonnie Brae</u></b> Clean &amp; CCTV 110 LF of 8” sanitary sewer with CIPP lining system.</p>	<p>Pipe Tec 5103 Elton Street Baldwin Park, CA 91706 Tom Vukojevic (626) 222-1998</p>	<p>\$ 19,060.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>Palisades Slip Lining Phase 2</u></b> Clean &amp; CCTV 2,348 LF of 6” sanitary sewer. Rehabilitate with CIPP lining system and install new manhole structures &amp; cleanouts.</p>	<p>Lake Arrowhead Comm. Services PO Box 700 Lake Arrowhead, CA 92352 Scott Schroeder (909) 336-7136</p>	<p>\$ 366,930.00</p>	<p><u>Start</u> 10/30/2018 <u>Completion</u> 1/15/2019</p>
<p><b><u>AC Water &amp; Sewer Group 1018</u></b> Clean &amp; CCTV 1,000 LF of 8” sanitary sewer. Rehabilitate 1,953 with CIPP lining system and install UV Top Hats.</p>	<p>Orion Construction Corp. Rob Wilson (760) 597-9660</p>	<p>\$ 192,402.50</p>	<p><u>Start</u> 3/21/2019 <u>Completion</u> 4/8/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>City of Vista - Pilot Project Information</u></b> Clean &amp; CCTV 329 LF of 8" sanitary sewer. Rehabilitate with SPR lining system.</p>	<p>City of Vista 200 Civic Center Drive Vista CA 92804 Elmer Alex (760) 726-1340</p>	<p>\$ 15,802.00</p>	<p><u>Start</u> 10/18/18 <u>Completion</u> 10/18/18</p>
<p><b><u>Fulton Road Rehab</u></b> Clean &amp; CCTV 1,592 LF of 8" sanitary sewer. Rehabilitate with CIPP &amp; SPR lining systems.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 200,525.00</p>	<p><u>Start</u> 6/2/2018 <u>Completion</u> 8/13/18</p>
<p><b><u>JOC - Sewer Rehab Phase AT-1</u></b> Clean &amp; CCTV 39,685 LF of 8" sanitary sewer. Rehabilitate with CIPP &amp; SPR lining systems, install 1,023 UV Top Hats &amp; Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 1,907,764.00</p>	<p><u>Start</u> 12/28/2018 <u>Completion</u> 10/31/2019</p>
<p><b><u>CMP Rehabilitation FY 2017-18 Measure P</u></b> 20,659 LF of 18" to 54" CMP Storm Drain Repairs. Rehabilitate with CIPP &amp; SPR lining systems.</p>	<p>Spiniello Companies 2650 Pomona Blvd. Pomona, CA 91768 Abby De La Cruz (562) 305-5219</p>	<p>\$ 1,984,764.00</p>	<p><u>Start</u> 2/14/19 <u>Completion</u> 10/30/2019</p>
<p><b><u>LACSD Belvedere Trunk Sewer Rehabilitation</u></b> 10,260 LF of 15", 21" &amp; 24" sanitary sewer. Rehabilitate with CIPP lining systems.</p>	<p>Spiniello Companies 2650 Pomona Blvd. Pomona, CA 91768 Eugenio Mateo (562) 458-7757</p>	<p>\$ 1,248,340.00</p>	<p><u>Start</u> 1/2/19 <u>Completion</u> 3/19/19</p>
<p><b><u>SKF Gilroy 18th Avenue Sewer Project</u></b> 797 LF of 12", 14" &amp; 18" sanitary sewer. Rehabilitate with SPR lining systems.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p>\$ 155,713.00</p>	<p><u>Start</u> 12/8/2018 <u>Completion</u> (R) 10/18/2019</p>
<p><b><u>Santa Monica - FY 17/18 Annual Wastewater Main Improvements</u></b> Clean &amp; CCTV 2,135 LF of 8" sanitary sewer. Rehabilitate with CIPP lining system, install UV Top Hats.</p>	<p>Mike Prlich &amp; Sons Inc. 5103 Elton St Baldwin Park, CA 91706 Lonny Lavin (626) 813-1700</p>	<p>\$ 156,265.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>Vellicitos Rock Springs Sewer Replacement</u></b> Clean &amp; CCTV 2,701 LF of 8", 12" &amp; 15" sanitary sewer. Rehabilitate 303 LF with CIPP lining system.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 20,814.00</p>	<p><u>Start</u> 3/22/2019 <u>Completion</u> (R) 10/2/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>JOC - Sewer Rehab Phase AO-1</u></b> Clean &amp; CCTV 42,800 LF of 8", 10" &amp; 12" sanitary sewer. Rehabilitate with CIPP &amp; SPR lining systems, install 413 UV Top Hats &amp; Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 1,332,009.00</p>	<p><u>Start</u> 4/25/19 <u>Completion</u> On-Going</p>
<p><b><u>Caltrans – State Minor B, Solicitation No. 10A2041</u></b> Clean &amp; CCTV 85 LF of 18" &amp; 30" storm drain. Rehabilitate with CIPP lining systems, install 85LF &amp; Post Video.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$ 62,850.00</p>	<p><u>Start</u> 6/11/19 <u>Completion</u> 9/30/2019</p>
<p><b><u>(SSRP) H31 Beachwood Drive &amp; Scenic Avenue</u></b> Clean &amp; CCTV 12,419 LF of 6" &amp; 8" sanitary sewer. Rehabilitate with CIPP lining systems, install 12,419 LF, Top Hats &amp; Post Video.</p>	<p>Vasilj Inc. 15531 Arrow Hwy, Irwindale, CA 91706 Joe Vasilj (626) 480-1442</p>	<p>\$ 1,120,089.00</p>	<p><u>Start</u> 9/19/18 <u>Completion</u> On-Going</p>
<p><b><u>La Costa Avenue - Storm Drain Improvements</u></b> Pre and Post Clean &amp; CCTV of 15" &amp; 18" Storm Drain.</p>	<p>Tri-Group Construction, Inc. 9580 Black Mountain Road, Ste L San Diego CA, 92126 Hani Assi (858) 689-0058</p>	<p>\$ 5,020.00</p>	<p><u>Start</u> 2/1/2019 <u>Completion</u> (R) 4/9/2019</p>
<p><b><u>PAL Project – Lateral Launch and Locate</u></b> Lateral Launch &amp; CCTV of 56 sanitary sewer laterals.</p>	<p>Burtech Plumbing 102 Second Street Suite C Encinitas CA, 92024 Bill Schramm (760) 305-2016</p>	<p>\$ 17,180.00</p>	<p><u>Start</u> 11/15/2018 <u>Completion</u> 5/25/2019</p>
<p><b><u>City of Lynwood PROJECT No. 4011.67.912</u></b> Installation of 8-Inch UV sectional patches</p>	<p>Sully-Miller Contracting Co. 135 S. State College Blvd, Ste 400 Brea, CA 92821 Jessie Flores (513) 984-2222</p>	<p>\$ 48,550.00</p>	<p><u>Start</u> 4/1/19 <u>Completion</u> 4/30/19</p>
<p><b><u>Caltrans #07-4W3004 - 91 Freeway to 110 Freeway</u></b> Clean &amp; CCTV 85 LF of 18" &amp; 30" storm drain. Rehabilitate with CIPP lining systems, install 85LF &amp; Post Video.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p>\$ 315,580.00</p>	<p><u>Start</u> 1/28/2019 <u>Completion</u> (R) 10/30/2019</p>
<p><b><u>RFQ - Point Repair by CIPP Sectional and Top Hat</u></b> Clean &amp; CCTV, installation of CIPP Sectionals and UV Top Hats at various location, Post Video.</p>	<p>San Diego County Gen. Services 5500 Overland Ave, Suite 315 San Diego, CA Wasim Hanna (858) 694-2723</p>	<p>\$ 25,678.00</p>	<p><u>Start</u> 3/15/2019 <u>Completion</u> 5/18/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>AC Water &amp; Sewer Group 1026</u></b>          Post CCTV inspection of 2,569LF of sanitary sewer at various locations.</p>	<p>PK Mechanical Systems, Inc.          21335 Bundy Canyon Road          Wildomar, CA 92595          David Spindler (951) 245-5537</p>	<p style="text-align: center;">\$ 8,675.85</p>	<p style="text-align: center;"><u>Start</u> 1/25/2019 <u>Completion</u> (R) 5/22/2019</p>
<p><b><u>Vista V-1 West Vista Sewer Phase 1-L</u></b>          Pre &amp; Post CCTV inspections of 3,954LF of v8", 10" 12" &amp; 15" diameters at various locations.</p>	<p>Orion Construction          2185 La Mirada Drive          Vista, CA 92081          Richard Newall (760) 597-9660</p>	<p style="text-align: center;">\$ 18,385.00</p>	<p style="text-align: center;"><u>Start</u> 5/13/2019 <u>Completion</u> On-Going</p>
<p><b><u>Monrovia Renewal North Section Infrastructure Improvement Project</u></b>          Clean &amp; CCTV 12,066LF of 6" &amp; 8" diameter, CIPP rehabilitate 12,831LF of 6" &amp; 8" sanitary sewer, Install 69 SLC's, and 136 UV sectional patches, bypass pumping and 22,470LF of Post CCTV inspection.</p>	<p>Sully-Miller Contracting Co.          135 S. State College Blvd, Ste 400          Brea, CA 92821          Jessie Flores (513) 984-2222</p>	<p style="text-align: center;">\$ 780,216.50</p>	<p style="text-align: center;"><u>Start</u> 2/4/2019 <u>Completion</u> TBD</p>
<p><b><u>ESR City of Los Angeles - Stone Canyon Road (N. 100 Block)</u></b>          Clean &amp; CCTV, CIPP rehabilitation of 289LF of 10" sanitary sewer, lateral reinstatement and post CCTV.</p>	<p>Spiniello Companies          2650 Pomona Blvd.          Pomona, CA 91768          Eugenio Mateo (562) 458-7757</p>	<p style="text-align: center;">\$ 34,494.31</p>	<p style="text-align: center;"><u>Start</u> 2/1/2019 <u>Completion</u> 3/30/2019</p>
<p><b><u>Sewer &amp; AC Water Group 697A</u></b>          Clean &amp; CCTV 2,200LF of 6" &amp; 8" sanitary sewer, rehabilitate 198LF of 6" &amp; 8" sanitary sewer, SLC's and Post CCTV inspection of 4,089LF of various diameters.</p>	<p>Burtech Pipeline Inc.          102 Second Street          Encinitas CA 92024          Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 40,272.40</p>	<p style="text-align: center;"><u>Start</u> 6/19/2019 <u>Completion</u> 10/16/2019</p>
<p><b><u>Pasadena Storm Drain Repair</u></b>          Clean &amp; CCTV 586LF various diameter storm drain, rehabilitate by CIPP 466LF of 12" &amp; 18" storm drain, post CCTV inspection of 386LF of various diameter storm drain.</p>	<p>GRFCO, Inc.          P O Box 1747          Brea, CA 92822          Jim Jackson (800) 375-7272</p>	<p style="text-align: center;">\$ 37,312.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>Hallmark Sewer Rehabilitation</u></b>          Clean &amp; CCTV, Bypass Pumping, 4,222LF 6" &amp; 8" CIPP rehabilitation at various locations, lateral reinstatement and Post Video CCTV.</p>	<p>Eddie Axner Construction, Inc          5249A Old Oregon Trail          Redding, CA 96002          Trevor Olds (530) 710-3533</p>	<p style="text-align: center;">\$ 240,178.00</p>	<p style="text-align: center;"><u>Start</u> 4/29/2019 <u>Completion</u> (R) 9/13/2019</p>
<p><b><u>Chino ITB - Sewer Re-Lining Project</u></b>          Clean &amp; CCTV 13,452LF of 8" &amp; 10" sanitary sewer, rehabilitate by CIPP 13,452LF of 8" &amp; 10" sanitary sewer, traffic control, bypassing, lateral reinstatement and post CCTV inspection.</p>	<p>City of Chino          PO Box 667          Chino, CA 91708          Austin Postovoit (909) 334-3250</p>	<p style="text-align: center;">\$ 567,655.00</p>	<p style="text-align: center;"><u>Start</u> 9/11/2019 <u>Completion</u> 2/10/2020</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Oceanside Point Repair Program</u></b> Pre &amp; Post CCTV video inspection of 1,359LF of 6", 8" &amp; 10" sanitary sewer repairs.</p>	<p>Charles King Company 2841 Gardena Ave. Signal Hill, CA 90755 Debi Hawkins (562) 426-2974</p>	<p style="text-align: center;">\$ 4,756.50</p>	<p style="text-align: center;"><u>Start</u> 3/4/2019 <u>Completion</u> 5/18/2019</p>
<p><b><u>Cal-Trans 07A4593, 3-Year System Inspection and Repair</u></b> Clean &amp; CCTV approx. 20,000LF of various diameter storm drain in LA and Ventura counties, approx. 6,500LF of CIPP rehabilitation of various diameters over a 3 year on call project.</p>	<p>Dreambuilder Const. Corp. 1324 E Lawson Ln Placentia Ca 92870 Alex Singh (714) 646-3697</p>	<p style="text-align: center;">\$ 2,634,600.00</p>	<p style="text-align: center;"><u>Start</u> 3/12/2019 <u>Completion</u> On-Going</p>
<p><b><u>RFP Warner Ranch Siphon 1B</u></b> Clean &amp; CCTV, CIPP rehabilitate 24-Inch storm drain siphon.</p>	<p>Vista Irrigation District 1391 Engineer Street, Vista, CA 92081 Mark Saltz (760) 597-3112</p>	<p style="text-align: center;">\$ 71,535.00</p>	<p style="text-align: center;"><u>Start</u> 9/30/2019 <u>Completion</u> 10/2/2019</p>
<p><b><u>Sewer Group 786</u></b> Clean &amp; CCTV and lateral launch inspections of various diameter sanitary sewers.</p>	<p>Ortiz Corporation 2000 Mc Kinley Avenue National City, CA 91950 Jose Ortiz (619) 434-7925</p>	<p style="text-align: center;">\$ 5,000.00</p>	<p style="text-align: center;"><u>Start</u> 4/4/2019 <u>Completion</u> TBD</p>
<p><b><u>University 21-inch Repair</u></b> Installation of 380LF x 21" SPR sanitary sewer rehabilitation.</p>	<p>AUI Incorporated 7420 Reading Ave. SE Albuquerque New Mexico 87105 Mike Rocco (505) 242-4848</p>	<p style="text-align: center;">\$ 48,250.00</p>	<p style="text-align: center;"><u>Start</u> 4/22/2019 <u>Completion</u> (R) 7/1/2019</p>
<p><b><u>Lemon Grove FY2017-18 Sewer Capital Improvement Project</u></b> Clean &amp; CCTV, 1,300LF x 8" CIPP rehabilitation, lateral reinstatement, bypass pumping and post video inspection.</p>	<p>Charles King Company 2841 Gardena Ave. Signal Hill, CA 90755 Debi Hawkins (562) 426-2974</p>	<p style="text-align: center;">\$ 66,800.00</p>	<p style="text-align: center;"><u>Start</u> 4/18/2019 <u>Completion</u> 8/9/2019</p>
<p><b><u>Fullerton - Miscellaneous Storm Drain Improvements</u></b> Clean &amp; CCTV, 426LF of various diameter CIPP storm drain rehabilitation, traffic control, grouting repairs and post video inspection.</p>	<p>City of Fullerton 303 West Commonwealth Ave Fullerton, CA 92832 (714) 738-6886</p>	<p style="text-align: center;">\$ 164,360.00</p>	<p style="text-align: center;"><u>Start</u> 7/15/2019 <u>Completion</u> (R) 11/4/2019</p>
<p><b><u>El Centro Emergency Sewer Repairs at Villa Ave</u></b> Clean &amp; CCTV, 380LF x 27" CIPP rehabilitation, infiltration grouting, bypass operations, traffic control and post video inspection.</p>	<p>City of El Centro 1275 W. Main Street El Centro, CA 92243 Javier Luna, P.E. (760) 337-5182</p>	<p style="text-align: center;">\$ 260,225.00</p>	<p style="text-align: center;"><u>Start</u> 6/5/2019 <u>Completion</u> 12/4/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>LACDPW Culvert Repair and Lining Project, Phase 1</u></b> Clean &amp; CCTV, 1,029LF x various diameter storm drain CIPP rehabilitation , traffic control and post CCTV inspection.</p>	<p>Los Angeles County Public Works 900 South Fremont Street Alhambra, CA 91803 Joel Zaragoza (626) 458-4951</p>	<p>\$ 248,358.00</p>	<p><u>Start</u> 12/9/2019 <u>Completion</u> 2/26/2020</p>
<p><b><u>Buena Park 24-Inch CMP Repair</u></b> Clean &amp; CCTV, 100LF x 24” CIPP storm drain rehabilitation, traffic control and post CCTV inspection.</p>	<p>City of Buena Park 6955 Aragon Circle Buena Park, Ca 90622 Frank Moore (714) 562-3708</p>	<p>\$ 44,050.00</p>	<p><u>Start</u> 10/21/2019 <u>Completion</u> 10/21/2019</p>
<p><b><u>City of LA - Albion Riverside Park Project - W.O.# EW40060F</u></b> Clean &amp; CCTV, 380LF x 10” CIPP rehabilitation, clean and video, lateral reinstatement, post video</p>	<p>Sully-Miller Contracting Co. 135 S. State College Blvd, Ste 400 Brea, CA 92821 Mauricio Arreola (714) 449-2277</p>	<p>\$ 33,201.00</p>	<p><u>Start</u> 6/7/2019 <u>Completion</u> 6/7/2019</p>
<p><b><u>Point Loma Storm Drain</u></b> Clean &amp; CCTV, 64LF x 24” CIPP storm drain rehabilitation and post video</p>	<p>AMA Diversified Constr. Group. 1305 Simpson Way, Suite L Escondido, CA 92029 Dillon Vissering (760) 444-1010</p>	<p>\$ 35,634.00</p>	<p><u>Start</u> 12/1/2019 <u>Completion</u> 12/31/2019</p>
<p><b><u>Countywide Sewer Improvements FY 2018-19</u></b> Clean &amp; CCTV, installation of 4,954LF, 8” &amp; 16” CIPP liner at various location, Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 291,352.00</p>	<p><u>Start</u> 10/17/2019 <u>Completion</u> 12/10/2019</p>
<p><b><u>City of LA - ESR Keswick Str. W.O. # SWC05476</u></b> Clean &amp; CCTV, 400LF x 8” CIPP rehabilitation, clean and video, lateral reinstatement, post video</p>	<p>Miramontes Const. Co, Inc. P.O. Box 219 Rialto, CA 92377 Yvette Morales (909) 787-3012</p>	<p>\$ 42,200.00</p>	<p><u>Start</u> 12/13/2019 <u>Completion</u> 12/13/2019</p>
<p><b><u>JOC - P17N006 - CMP Storm Drain Lining Right of Way Pipeline North</u></b> Clean &amp; CCTV, CIPP Lining of 977 LF of 21”, 24” &amp; 30” storm drain and Traffic Control at various locations.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$ 122,566.50</p>	<p><u>Start</u> 12/2/2019 <u>Completion</u> 12/6/2019</p>
<p><b><u>JOC - Task P18N003 Accelerated TS Referral Group</u></b> Clean &amp; CCTV, CIPP Lining of 3,003 LF of 10”, 12”, 21” &amp; 30” sanitary sewer, and Traffic Control at various locations.</p>	<p>Burtech Pipeline Inc. 102 Second Street, Encinitas, CA 92024 Buddy Aquino (760) 634-2822</p>	<p>\$ 534,933.28</p>	<p><u>Start</u> 11/21/2019 <u>Completion</u> 12/18/2019</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>CIP 19-100 CIPP Lining of Sanitary Sewer System</u></b> Clean &amp; CCTV CIPP lining of 3,193 LF of 8", 10" &amp; 12" sanitary sewer with CIPP lining system, top hats and post video work.</p>	<p>City of Laguna Beach 505 Forest Avenue Laguna Beach, CA 92651 Hannah Johnson (949) 464-6615</p>	<p style="text-align: center;">\$ 208,073.00</p>	<p style="text-align: center;"><u>Start</u> 11/12/2019 <u>Completion</u> 12/3/2019</p>
<p><b><u>Sewer Line By CIPP - Loma Linda</u></b> Clean &amp; CCTV, CIPP Lining of 300LF of 8" sanitary sewer at various locations.</p>	<p>City of Loma Linda 25541 Barton Road Loma Linda, CA Jeff Peterson (909) 799-4400</p>	<p style="text-align: center;">\$ 28,700.00</p>	<p style="text-align: center;"><u>Start</u> 11/25/2019 <u>Completion</u> 11/25/2019</p>
<p><b><u>OVSD Sewer Rehabilitation Project</u></b> Clean &amp; CCTV, traffic control, CIPP Lining of 14,425LF of 8" and 10" sanitary sewer at various locations.</p>	<p>Ojai Valley Sanitary District 1072 Tico Road Ojai, CA 93023 Jon Turner (805) 658-6800</p>	<p style="text-align: center;">\$ 425,000.00</p>	<p style="text-align: center;"><u>Start</u> 11/6/2018 <u>Completion</u> 1/3/2019</p>
<p><b><u>JOC - Sewer Rehab Phase AW-1</u></b> Clean &amp; CCTV 39,321 LF of 8" sanitary Sewer. Rehabilitate with CIPP &amp; SPR lining systems &amp; Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 886,688.55</p>	<p style="text-align: center;"><u>Start</u> 10/4/2019 <u>Completion</u> On-Going</p>
<p><b><u>Sewer and AC Water Group 807</u></b> Clean &amp; CCTV (POST) 11,088LF, CIPP Lining of 863LF of 8" sanitary sewer at various locations and top hats.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 90,193.00</p>	<p style="text-align: center;"><u>Start</u> 12/11/2019 <u>Completion</u> 12/17/2019</p>
<p><b><u>Sewer Pipe Lining - Rainbow-Fallbrook</u></b> Clean &amp; CCTV, CIPP Lining of 1,054LF of 6" &amp; 8" sanitary sewer at various locations.</p>	<p>Rainbow Municipal Water District 3707 Old Highway 395 Fallbrook, CA 92028 Ryan Stockton (760) 728-1178</p>	<p style="text-align: center;">\$ 69,000.00</p>	<p style="text-align: center;"><u>Start</u> 10/1/2019 <u>Completion</u> 10/31/2019</p>
<p><b><u>Caltrans – 07-313704 Glendale Freeway</u></b> Clean &amp; CCTV 320 LF of 18" storm drain. Rehabilitate with CIPP lining system and Post Video.</p>	<p>Highland Construction, Inc 133 N Pixley Street Orange, CA 92868 Erin Richardson (714) 538-5156</p>	<p style="text-align: center;">\$ 85,000.00</p>	<p style="text-align: center;"><u>Start</u> 1/13/2020 <u>Completion</u> 1/25/2020</p>
<p><b><u>City of LA - ESR Canyon View Drive -SWC05478</u></b> Clean &amp; CCTV, 315LF x 8" CIPP rehabilitation, lateral reinstatement, post video</p>	<p>Mike Bubalo Construction 5102 Gayhurst Ave, Baldwin Park, CA 91706 Brad Sorem (562) 818-4035</p>	<p style="text-align: center;">\$ 32,247.50</p>	<p style="text-align: center;"><u>Start</u> 1/28/2020 <u>Completion</u> 1/28/2020</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>City of LA - ESR Parthenia Street - SWC05582</u></b> Clean &amp; CCTV, 382LF x 8" CIPP rehabilitation, lateral reinstatement, post video.</p>	<p>Mike Bubalo Construction 5102 Gayhurst Ave, Baldwin Park, CA 91706 Brad Sorem (562) 818-4035</p>	<p style="text-align: center;">\$ 29,830.00</p>	<p style="text-align: center;"><u>Start</u> 1/28/2020 <u>Completion</u> 1/29/2020</p>
<p><b><u>Hermosa Beach-Sewer Impr. Ph 2 CIP 17-416</u></b> Clean &amp; CCTV, 6,400LF x 8" &amp; 10" CIPP rehabilitation, Lateral reinstatements, rootball removal, traffic Control, top hats and post CCTV.</p>	<p>MNR Construction, Inc 1880 Wright Ave , La Verne, CA 91750 Scott Barnett (626) 383-1019</p>	<p style="text-align: center;">\$ 305,695.00</p>	<p style="text-align: center;"><u>Start</u> 1/21/2020 <u>Completion</u> 3/27/2020</p>
<p><b><u>Paseo De Valencia - 12 -Inch Vertical Drop Repair</u></b> 30LF x 12" CIPP vent line repair.</p>	<p>T.E. Roberts Inc 306 W Katella Ave, Orange, CA 92867 Justin Roberts (714) 559-2291</p>	<p style="text-align: center;">\$ 9,500.00</p>	<p style="text-align: center;"><u>Start</u> 1/31/2020 <u>Completion</u> 1/31/2020</p>
<p><b><u>RFP - Storm Drain Culvert Rehabilitation Point Loma</u></b> 272LF x 15" &amp; 24" CIPP storm drain rehabilitation. Clean &amp; CCTV and post CCTV inspection.</p>	<p>California Constructors 7062 Convoy Court , San Diego, CA 92111 Tony Gutierrez (858) 775-9920</p>	<p style="text-align: center;">\$ 97,086.00</p>	<p style="text-align: center;"><u>Start</u> 1/6/2020 <u>Completion</u> 2/5/2020</p>
<p><b><u>Sewer Rehabilitation N Fresno and E Shields</u></b> Clean &amp; CCTV, CIPP Lining of 2,659 LF of 12" and 15-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p style="text-align: center;">\$ 240,624.00</p>	<p style="text-align: center;"><u>Start</u> 2/20/2020 <u>Completion</u> 3/6/2020</p>
<p><b><u>Sewer Improvements in the Vicinity of N First Street and E Dakota Avenue</u></b> Clean &amp; CCTV, CIPP Lining of 5,711LF of 6", 8" and 12-Inch sanitary sewer, Traffic Control, Bypass Pumping, Point Repairs.</p>	<p>Emmitt's Excavation Inc 6207 E. Clinton Ave Fresno CA 93727 David Walsh (559) 347-9188</p>	<p style="text-align: center;">\$ 230,648.00</p>	<p style="text-align: center;"><u>Start</u> 12/20/2019 <u>Completion</u> 3/27/2020</p>
<p><b><u>AC Water &amp; Sewer Group 1020</u></b> Final Post CCTV, 303LF 8-Inch Cured In Place lining.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 20,787.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>AC Water &amp; Sewer Group 1026</u></b> Final Post CCTV, 303LF 8-Inch Cured In Place lining.</p>	<p>PK Mechanical Systems, Inc. 21335 Bundy Canyon Road Wildomar, CA 92595 David Spindler (951) 245-5537</p>	<p style="text-align: center;">\$ 84,968.00</p>	<p style="text-align: center;"><u>Start</u> 3-30-2020 <u>Completion</u> TBD</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>AC Water &amp; Sewer Group 1027</u></b> Final Post CCTV, 188LF 8-Inch Cured In Place lining.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 3,243.00</p>	<p style="text-align: center;"><u>Start</u> 11-1-2019 <u>Completion</u> 11-1-2019</p>
<p><b><u>AC Water &amp; Sewer Group 1042</u></b> Final Post CCTV, 1,274LF post CCTV inspection.</p>	<p>S.C. Valley Engineering, Inc 656 Front St, El Cajon, CA 92020 Scott Miller (619) 444-2326</p>	<p style="text-align: center;">\$ 3,822.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>Buena Park 2019-2020 Sewer Main Rehabilitation</u></b> Clean &amp; CCTV, 7,019LF 8", 10" &amp; 12" sanitary sewer rehabilitation with SPR, traffic control, bypassing and post CCTV</p>	<p>City of Buena Park 656 Front St, Buena Park, CA 92020 Teddy Luong (714) 562-3670</p>	<p style="text-align: center;">\$ 349,570.00</p>	<p style="text-align: center;"><u>Start</u> 4-20-2020 <u>Completion</u> TBD</p>
<p><b><u>Caltrans – 07-313404 Monterey Park 710 Freeway</u></b> Clean &amp; CCTV 2,246LF of 18", 24" &amp; 36" storm drain Rehabilitation with CIPP lining system and Post Video.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p style="text-align: center;">\$ 400,331.11</p>	<p style="text-align: center;"><u>Start</u> 2-3-2020 <u>Completion</u> 4-29-2020</p>
<p><b><u>Caltrans – 08-1C9304 Big Pines Creek Lake Arrowhead</u></b> Clean &amp; CCTV 560LF of 18", 24" &amp; 36" storm drain Rehabilitation with CIPP, SPR &amp; Alternative pipe lining system and Post Video.</p>	<p>Jabre Contracting Inc., 1813 Manzanita Lane Manhattan Beach, CA 90206 Bob Collins (310) 720-0277</p>	<p style="text-align: center;">\$ 241,295.00</p>	<p style="text-align: center;"><u>Start</u> 4-13-2020 <u>Completion</u> TBD</p>
<p><b><u>Caltrans – 11-422114 Culvert Repair and Replace Guardrail and Fence</u></b> Clean &amp; CCTV 5,570 LF of 18", 24", 30", 36" &amp; 48" storm drain Rehabilitation with CIPP pipe lining system, preparing culvert structures and Post Video.</p>	<p>Hazard Construction Company 10529 Vine Street Lakeside, CA 92040 Brad Lothers (858) 587-3600</p>	<p style="text-align: center;">\$ 842,260.00</p>	<p style="text-align: center;"><u>Start</u> 5-21-2020 <u>Completion</u> TBD</p>
<p><b><u>North Norwalk Trunk Sewer Rehabilitation</u></b> Clean &amp; CCTV 650LF of 15" sanitary sewer Rehabilitation with CIPP pipe lining System, manhole rehabilitation and Post Video.</p>	<p>LACSD 1955 Workman Mill Road Whittier, Ca 90601 Jenny Hsu (562) 699-7411</p>	<p style="text-align: center;">\$ 105,770.00</p>	<p style="text-align: center;"><u>Start</u> 3-27-2020 <u>Completion</u> 3-30-2020</p>
<p><b><u>Claremont Trunk Sewer Rehabilitation</u></b> Clean &amp; CCTV 13,198LF of 12" and 15" sanitary sewer Rehabilitation with CIPP pipe lining System, manhole rehabilitation, point repairs, bypass and Post Video.</p>	<p>LACSD 1955 Workman Mill Road Whittier, Ca 90601 Jenny Hsu (562) 699-7411</p>	<p style="text-align: center;">\$ 1,172,893.00</p>	<p style="text-align: center;"><u>Start</u> 11-20-2019 <u>Completion</u> TBD</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Millennium Hawthorne</u></b> Clean &amp; CCTV 1,070LF of 12" and 15" sanitary sewer Rehabilitation with CIPP pipe lining System, manhole rehabilitation, point repairs, bypass and Post Video.</p>	<p>Mark Company 2288 North Batavia, Orange, CA 92865 Isaiah Apodaca (714) 685-3462</p>	<p style="text-align: center;">\$ 110,470.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>2017-18 Pipeline Rehabilitation and Replacement</u></b> Clean &amp; CCTV 25,576LF of 6", 8", 10", 14", 15" &amp; 16" Sanitary sewer Rehabilitation with CIPP pipe lining System, manhole rehabilitation, point repairs, pipe-Bursting, bypass, top hats, lateral lining and Post Video.</p>	<p>Napa Sanitation District 1515 Soscol Ferry Road, Napa, CA 94558 Simon Kobayashi (707) 258-6030</p>	<p style="text-align: center;">\$ 6,445,000.00</p>	<p style="text-align: center;"><u>Start</u> 1-28-2020 <u>Completion</u> TBD</p>
<p><b><u>2020 Collection System Rehabilitation Project CIP 19703</u></b> Clean &amp; CCTV 3,585LF of 8", 12" and 18" sanitary sewer Rehabilitation with CIPP pipe lining System, manhole rehabilitation, point repairs, bypass and Post Video.</p>	<p>Moulton Niguel Water District 26880 Aliso Viejo Parkway, Aliso Viejo, Ca 92656 Sheldon Yu, PE (949) 831-2500</p>	<p style="text-align: center;">\$ 325,000.00</p>	<p style="text-align: center;"><u>Start</u> 4-27-2020 <u>Completion</u> TBD</p>
<p><b><u>Manhole and Pipe Repair (SPR)</u></b> Clean &amp; CCTV 350LF of 24-Inch sanitary sewer Rehabilitation with SPR lining system, manhole installation, point repairs, bypass and Post Video.</p>	<p>Orange County Sanitation District 10844 Ellis Avenue, Fountain Valley, CA Brandon Garcia (714) 593-7306AW-1</p>	<p style="text-align: center;">\$ 350,000.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>OCSD Boulevard Force Main Replacement</u></b> Clean &amp; CCTV 280LF of 27" dual sanitary sewer siphons. Rehabilitate with CIPP pipe lining system and Post Video.</p>	<p>Teichert Utilities 3780 Kilroy Airport Way, Suite 700, Long Beach, CA 90806 Fladio Godines (916) 634-3161</p>	<p style="text-align: center;">\$ 198,160.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>Pipeline Rehab Phase AV-1</u></b> Clean &amp; CCTV 33,313LF of 8" sanitary sewer. Rehabilitate with CIPP &amp; SPR lining systems, reinstate 413 service laterals &amp; Post Video.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p style="text-align: center;">\$ 749,542.50</p>	<p style="text-align: center;"><u>Start</u> 3-2-2020 <u>Completion</u> On-Going</p>
<p><b><u>Paseo De Valencia</u></b> Clean &amp; CCTV 12" Vertical Drop. Rehabilitate with CIPP &amp; Post Video.</p>	<p>T.E. Roberts Inc. 306 W Katella Ave, Orange, CA 92867 Justin Roberts (714) 559-2291</p>	<p style="text-align: center;">\$ 9,500.00</p>	<p style="text-align: center;"><u>Start</u> 2-3-2020 <u>Completion</u> 2-3-2020</p>
<p><b><u>Carlsbad - Storm Drain System Rehabilitation</u></b> Clean &amp; CCTV 840 LF of 12" to 42" storm drain. Rehabilitate with CIPP lining systems &amp; Post Video.</p>	<p>City of Carlsbad 1635 Faraday Avenue, Carlsbad, CA 92024 Emily Hasegawa (760) 602-2460</p>	<p style="text-align: center;">\$ 297,975.00</p>	<p style="text-align: center;"><u>Start</u> TBD <u>Completion</u> TBD</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

<p><b><u>Oceanside Post</u></b> Post CCTV new sewer construction.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 11,740.00</p>	<p><u>Start</u> 2-1-2020 <u>Completion</u> 2-29-2020</p>
<p><b><u>Leucadia Wastewater District – Emergency Repair</u></b> Clean &amp; CCTV, installation of 8” UV Sectional liner &amp; Post Video.</p>	<p>Leucadia Wastewater District 1960 La Costa Avenue, Carlsbad, CA 92024 Marvin Gonzalez (760) 753-0155</p>	<p>\$ 4,425.00</p>	<p><u>Start</u> 3-11-2020 <u>Completion</u> 3-11-2020</p>
<p><b><u>Buena Vista Storm Drain</u></b> Post CCTV new storm drain construction.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 2,705.00</p>	<p><u>Start</u> 3-31-2020 <u>Completion</u> 3-31-2020</p>
<p><b><u>W.B. Rte.91 Freeway at Santa Fe/Alameda Off-Ramp</u></b> Post CCTV new storm drain construction.</p>	<p>Peterson – Chase 16351 Construction Circle West Irvine, CA 92606 Jon Vandersloot (949) 677-0295</p>	<p>\$ 5,586.00</p>	<p><u>Start</u> 4-28-2020 <u>Completion</u> 4-28-2020</p>
<p><b><u>City of San Diego - Sewer Group 841</u></b> Post CCTV 3,138 LF new sanitary sewer construction.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 7,845.00</p>	<p><u>Start</u> 5-5-2020 <u>Completion</u> On-Going</p>
<p><b><u>City of Downey – Fidler Ave Sewer Rehabilitation</u></b> Clean &amp; CCTV 1,209LF of 8” sanitary sewer. Rehabilitate with CIPP lining systems, reinstate 38 service laterals &amp; Post Video.</p>	<p>City of Downey 11111 Brookshire Avenue PO Box 7018 Downey, CAS 90241 Janet Ortega (562) 658-9565</p>	<p>\$ 115,290.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>City of San Diego – AC Water &amp; Sewer Group 1023</u></b> Post CCTV 697LF new sanitary sewer construction.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 2,788.00</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>
<p><b><u>City of San Diego – Sewer &amp; AC Water Group 765</u></b> Pre &amp; Post CCTV of 5,383LF new sanitary sewer construction.</p>	<p>Burtech Pipeline Inc. 102 Second Street Encinitas CA 92024 Buddy Aquino (760) 726-1340</p>	<p>\$ 20,186.25</p>	<p><u>Start</u> TBD <u>Completion</u> TBD</p>





## Nu-Line Technologies, LLC Project References – CIPP/SPR

### Experience by Diameter

Size	2014	2015	2016	2017	2018	2019	2020 WIP*	Total
6"	1,668	4,543	8,249	8,654	36,158	42,537	3,527	<b>105,336</b>
8"	38,410	44,062	133,915	119,261	99,197	151,155	70,920	<b>656,920</b>
10"	516	773	4,878	1,250	9,294	16,861	3,149	<b>36,721</b>
12"	0	1,779	2,607	4,389	2,758	6,556	10,993	<b>29,082</b>
14"	0	102	448	0	641	221	0793	<b>2,205</b>
15"	330	1,222	768	3,368	718	6,943	3,656	<b>17,005</b>
16"	0	285	0	0	0	1,594	0	<b>1,879</b>
18"	327	962	938	3,425	3,857	9,123	1,922	<b>20,554</b>
20"	0	0	0	0	1,720	0	0	<b>1,720</b>
21"	0	5,478	309	506	775	3,830	0	<b>10,898</b>
24"	95	952	1,141	2,053	4,038	9,436	4,016	<b>21,731</b>
27"	0	0	0	0	288	380	0	<b>668</b>
30"	0	656	779	701	1,003	5,117	887	<b>9,143</b>
33"	0	144	0	0	44	0	0	<b>188</b>
36"	0	40	882	40	1,448	1,364	951	<b>4,725</b>
39"	0	0	0	190	0	0	0	<b>190</b>
42"	0	61	0	180	1,166	332	95	<b>1,834</b>
48"	0	0	0	0	574	0	649	<b>1,223</b>
54"	0	0	0	0	214	0	0	<b>214</b>
60"	0	0	542	0	483	0	0	<b>1,025</b>
<b>Total</b>	<b>41,346</b>	<b>61,059</b>	<b>155,456</b>	<b>144,017</b>	<b>164,376</b>	<b>255,449</b>	<b>101,558*</b>	<b>923,261</b>





### **Education**

- Azusa High School, Azusa, CA

### **Training**

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

## **Jorge Beltran**

*Superintendent*

### **Professional Experience**

Mr. Beltran has over twenty years' experience in the construction, trenchless technology and pipeline rehabilitation industry with a Career progression from a Laborer to Foreman up to a Superintendent. His expertise with the large diameter CIPP and Rib Loc sewer/storm drain lining include extensive knowledge in sewer bypass operations.

#### **Nu-Line Technologies Operations Manager**

- Leads scheduling, managing and organization of Nu-Line Technologies, LLC field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

#### **RePipe-California Superintendent**

- Responsible for management of crews for the installation of Both CIPP and RibLoc Pipe Rehabilitation Systems.
- Reports to the Operations and Project Managers with regard to Daily construction progress and activities.
- Schedules and manages weekly construction work and man-hours, and reports daily
- Construction hours and progress from lining Foremen and Cutters, to Operations and Accounting.
- Oversee daily bypass and traffic control (set-up, operation, tear-down)
- Provides field technical support, problem solving and Troubleshooting.
- Interaction and contact with City Engineers and Inspectors.
- Works in conjunction with Project Estimator on job walks prior To project bid.

**Preussag Pipe Rehabilitation, Inc.  
Superintendent**

Management of crews for the installation of the RibLoc Pipe Rehabilitation System.

- Reported construction progress and activities.
- Managed weekly schedules.
- Provides field technical support, problem solving and Troubleshooting.
- Worked directly with project managers

**G.B. Cooke Pipeline Rehabilitation  
Installation Supervisor**

- Responsibility for the supervision and scheduling of crews.
- Schedule projects, complete daily reports, complete employee time sheets, run projects and complete yearly employee evaluations.

**Insituform, Southwest  
Installation Supervisor**

- Responsibility for the supervision and scheduling of crews.
- Schedule projects, complete daily reports, complete employee time sheets, run projects and complete yearly employee evaluations.
- Began employment as a Laborer and was promoted to a Supervisor.



### Education

- Lynwood High School, Lynwood, CA

### Training

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

## Cesar Magana

Foreman

### Professional Experience

Mr. Magana has over six years' experience in the construction, trenchless technology and pipeline rehabilitation industry, with a Career progression from a Laborer to Foreman. His expertise is with CIPP sewer/storm drain lining and includes extensive knowledge in sewer bypass operations.

#### **Nu-Line Technologies Foreman**

- Leads scheduling, managing, and organization of Nu-Line Technologies CIPP installation field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assists GM and Estimator with Project Estimates for bids.
- Analyzes and solves all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develops and implements sewer bypass systems.
- Identifies, initiates, and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

#### **RePipe-California Laborer/Driver**

- Responsible for the installation of CIPP Pipe Rehabilitation Systems.
- Oversaw daily bypass and traffic control (set-up, operation, and tear-down).

#### **Kenny Construction Foreman**

- Management of crews for the installation of the CIPP Pipe Rehabilitation System.
- Reported construction progress and activities.
- Managed weekly schedules.
- Provide field technical support, problem solving, and troubleshooting.
- Worked directly with project managers

#### **RePipe-California Laborer/Driver**

- Responsible for the installation of CIPP Pipe Rehabilitation Systems.
- Oversaw daily bypass and traffic control (set-up, operation, and tear-down).



## Education

- Covina High School

## Training

- Confined Space Training
- CCTV, Lateral Cutting and Chemical Grouting

## Fernando Uribe

*CCTV/Cutter Operator*

*West Coast Region*

## Professional Experience

With Over ten years' experience in the construction and pipeline rehabilitation industry, Mr. Uribe has progressed from a Technician, Supervisor and Superintendent in the Rib Loc, Cured-In-Place, and Fold & Form pipelining methods. Additionally he has successfully trained CCTV and Cutter operators for Burtech Pipeline.

### **Nu-Line Technologies, LLC**

#### **Cutter/CCTV Operator**

Oversee Cutting and CCTV Crew

Operation and maintenance of Cues equipment

Development and training of new employees.

Continuing education and research for development of efficiencies for lateral cutting.

Investigation, development and training of new technologies.

### **Repipe-California**

#### **Cutter/CCTV Operator**

CCTV, Cutting and Lateral Grouting

Operation and maintenance of Cues equipment

Development and training of new employees.

Continuing education and research for development of efficiencies for lateral cutting.

Investigation, development and training of new technologies.

### **Preussag Pipe Rehabilitation, Inc.**

#### **Cutter/CCTV Operator**

Operation and maintenance of Cues equipment.

Coordination of the Training for new technicians.

Research and development for efficiency of lateral cutting.



## Education

- Serrano High School – Phelan, CA

## Training

- Confined Space training Boom certification
- Forklift certification
- CPR training
- Alcohol and Drug training.

## Joe Zilius

Foreman

## Professional Experience

Mr. Zilius has over fifteen years' experience in the construction, trenchless technology and pipeline rehabilitation industry with a Career progression from a Laborer to Foreman. His expertise is with both CIPP and Spiral Wound Lining systems in sewer/storm drain lining include extensive knowledge in sewer bypass operations.

### Nu-Line Technologies Foreman

- Responsible for management of crews for the installation of both CIPP and RibLoc Pipe Rehabilitation Systems
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

### Arizona Pipeline Laborer

- Responsible for management of crews for the installation of dig and replace pipeline systems.
- Oversee daily bypass and traffic control (set-up, operation, and tear-down)
- Provides field technical support, problem solving and troubleshooting.



### Education

- Rio Hondo Community College
- Arroyo High School, El Monte, CA

### Training

- Small Crane Truck Certificate
- Commercial Class A Drivers License,
- Forklift certification.

### Certifications

- 1995 Employee of the Year –Insituform Southwest.

## Frank Durazo

*Operations Manager  
West Coast Region*

### Professional Experience

Mr. Durazo has over twenty years' experience in the trenchless technology industry with experience in Cured-In-Place and Rib Loc pipelining processes including CIPP Wetout. Using his expertise he has progressed from a supervisor to Warehouse Foreman and was promoted to the position of Project Manager.

#### **Nu-Line Technologies Operations Manager**

- Leads scheduling, managing and organization of Burtech Pipeline field activities.
- Provides technical and project approach guidance to Nu-Line Technologies field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

#### **Repipe-California, Inc., Ontario, CA Operations Manager**

- Leads scheduling, managing and organization of Repipe-CA field activities.
- Provides technical and project approach guidance to Repipe-CA field personnel.
- Communicates with owner's field representatives, site engineers, inspectors and subcontractor supervisors on project-related matters.
- Assist GM and Estimator with Project Estimates for bids
- Analyze and solve all field-related problems (Equipment, Installation, Personnel, Etc.).
- Develop and implement sewer bypass systems. Train field employees with proper use.
- Identifies, initiates and controls project revisions and field changes.
- Reviews project costs and assists in developing project budgets.

#### **Repipe-California, Inc. Ontario, CA Project Manager/Project Scheduler**

- Responsible for scheduling and ordering of all lining materials, wet-out and delivery.
- Manage multiple CIPP and Rib Loc projects simultaneously from \$100k to \$2.5M.
- Review of job costs to ensure profitable projects.
- Prepare submittals, schedules, cost estimates, and interact with clients and contractors
- Assist GM and Estimator with Project Estimates for bids

**Repipe-California, Inc, Santa Ana, CA  
Warehouse Foreman/Project Scheduler**

- Responsible for scheduling and ordering of all lining materials, wet-out and delivery.
- Maintain and repair of all Repipe-CA construction equipment and vehicles, management of all inventory and job-related materials, ordering of equipment materials and supplies, assistance to field as required on-site with Rib Loc, or CIPP installations, and establishment and maintenance of warehouse operations.
- Identify and negotiate with new suppliers
- Performs as the acting Safety Director and assures that OSHA safety compliance is adhered to in the field, corporate office and within the warehouse environment.

**Preussag Pipe Rehabilitation  
Warehouse Foreman**

- Responsible for the maintenance and repair of all PPR construction equipment and vehicles, management of all inventory and job-related materials, ordering of equipment materials and supplies, assistance to field as required on-site with RibLoc, or CIPP installations, and establishment and maintenance of warehouse operations.
- Responsible for resourcing equipment and material vendors.
- Mechanical assistance to jobsite and field personnel.
- Oversee Driver Vehicle Inspection Reports and Driver Daily Logs for DOT Bit Inspections and coordinates quarterly maintenance for corporate fleet in preparation of DOT bit inspections.
- Performs as the acting Safety Director and assures that OSHA safety compliance is adhered to in the field, corporate office and within the warehouse environment.

**National Liner-West, Gardena, CA  
Installation Supervisor**

- Supervision of the impregnation and installation for Cured-In-Place trenchless lining system for the Western Region of the United States.
- Installation Supervisor for 10 crewmembers for the U-Liner Fold and Form Lining System.
- Additional responsibilities included daily reporting to inspectors from various cities and counties, purchasing and ordering of equipment and materials and scheduling of equipment and personnel for projects.

**Cooke Pipeline Rehabilitation  
Installation Supervisor**

- Supervision for the impregnation and installation procedures for Cured-In-Place trenchless pipeliners and the Ultra-Liner Fold and Form System pipelining system.
- Acted as Purchasing Agent for equipment and materials for the jobsites and was responsible for bypass planning and traffic control setup.

**Insituform, Southwest  
Installation Supervisor**

- Responsible for the impregnation procedure for the trenchless Cured-In-Place Lining System.
- Responsible for job scheduling; personnel and equipment, purchasing and ordering of materials and field sample testing and reporting.

**Senior Welder**

- Responsible for welding and fabrication of equipment for the snack food industry.
- Additional responsibilities included blueprint design, research and development for prototypes.



20520 Unico Road  
McKenney, VA 23872  
804.451.3667

January 15, 2015

To Whom it may concern:

Hector Mora is certified and approved by Ferratex Inc. as a boiler technician. He has vast experience in the installation and curing of Ferratex products.

Sincerely,

Gerhardt Rodenberger



October 29, 2017

To Whom It May Concern:

This letter is to certify that the following licensee of Sekisui SPR Americas LLC has been trained and certified to install SPR-EX spiral wound liners.

Nuline Technologies – Effective date – November 2015

With the license, the customer has purchased equipment as well as completed a training course on the proper installation method of SPR-EX spiral wound rehabilitation process.

Kind Regards,

Joseph P. Dominguez  
Sr. Technical Services Engineer,  
Sekisui SPR Americas LLC



August 14, 2015

Nu-Line Technologies, LLC  
102 Second Street  
Encinitas, CA 92024

## CERTIFICATE OF INSTALLER

To Whom It May Concern:

This certificate verifies that **Nu-Line Technologies, LLC** has received all necessary Training for the preparation and installation procedures for the **Cosmic "TOPHAT" Lateral connection & Short liner spot repair sealing systems.** Nu-Line Technologies, LLC has been certified since January 2015.

If there are any questions, please contact Chris Scarratt at information listed below.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Scarratt".

Chris Scarratt  
Cosmic Engineering GmbH

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Jorge Beltran  
(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

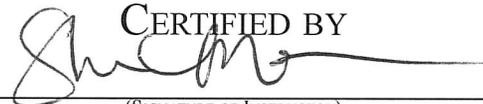
TRAINING WAS COMPLETED ON

September 14, 2018  
(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin  
(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY  
  
(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Hector Mora

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
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CERTIFIED BY

Sharr Martin

(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Mike A. Covarrubias

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

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September 14, 2018

(DATE)

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Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Jose D. Correa

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**

**COMPLIANCE**  
www.osha-safety-training.net

CERTIFIED BY

*Sharr Martin*

(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Jonathan L. Moss

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

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September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY

*Sharr Martin*

(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Njabulo Mbelu  
(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018  
(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin  
(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
**COMPLIANCE**  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY

  
(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Juan J. Exiga

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)



www.osha-safety-training.net

CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Juan M. Contreras

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Scott D. Meyer

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**  
COMPLIANCE  
[www.osha-safety-training.net](http://www.osha-safety-training.net)

CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Roberto Caratachea

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

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Sharr Martin

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(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Juan J. Diaz

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

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September 14, 2018

(DATE)

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Sharr Martin

(NAME OF INSTRUCTOR)

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*Sharr Martin*

(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Fernando Uribe

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

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September 14, 2018

(DATE)

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Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
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CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Caesar M. Magana

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

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(DATE)

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Sharr Martin

(NAME OF INSTRUCTOR)

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(SIGNATURE OF INSTRUCTOR)

# CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

Joseph Zilius

(NAME OF EMPLOYEE)

HAS SUCCESSFULLY COMPLETED THE TRAINING PROGRAM

## Confined Spaces

TRAINING WAS COMPLETED ON

September 14, 2018

(DATE)

TRAINING WAS CONDUCTED BY

Sharr Martin

(NAME OF INSTRUCTOR)

**NATIONAL**  
**safety**

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CERTIFIED BY



(SIGNATURE OF INSTRUCTOR)



### **Applicator Certification**

Zebron is both the manufacturer and applicator of the spray on liner Zebron 386. All of our applicators have been properly trained to spray our material. A Statement of Qualifications has been submitted in substitute of the applicator certificates because we do not provide certification since our applicators are the only ones allowed to spray Zebron.

## WORK HISTORY REFERENCES

Proposer shall provide a minimum of FIVE (5) Customer References with three or more years of work history with the Proposer. Local and similar size contract references are preferred. Please use additional sheet to provide additional references. Include a description of contract scope of work.

### Business References for

Proposer Business  
Name:

Zebron Contracting, Inc

Date: 4.12.22

### Reference 1

Name of  
Firm:

Irvine Ranch Water District

Phone: (949) 453-5300

Address:

3512 Michelson Drive, Irvine

Contact: Dorien McElroy

Project

FY 21/22 Open P.O.

Title:

Sewer Facilities Rehab

Approx. Cost: \$330,000.00

Contact email: mcelroy@irwd.com

Contract SOW

Description:

Rehabilitate and Zebron line sewer manholes

Project Date:

12/1/21 To: 6/30/2022

### Reference 2

Name of  
Firm:

Los Angeles County Sanitation Districts

Phone: 562-908-4288

Address:

1955 Workman Mill Rd, Whittier, CA

Contact: Shannon Bishop/Wayne  
Bamassy

Project

Title:

Claremont Ave Outfall  
Trunk Sewer

Approx. Cost: \$113,950.00

Contact email: S.Bishop@lacsosd.org

Contract SOW

Description:

Rehabilitate and Zebron line sewer manholes

Project Date:

9/2020 To: 12/2020

### Reference 3

Name of  
Firm:

City of Newport Beach

Phone: (949) 644-3311

Address:

100 Civic Center Dr. P.O. Box 1758, Newport Beach  
CA 92658

Contact: Mike Lynch

Project

Title:

Annual Manhole Rehab  
Project

Approx. Cost: \$371,400

Contact email: mlynch@newportbeach.gov

Contract SOW

Description:

Rehabilitate and Zebron line sewer manholes

Project Date:

11/2017 To: 8/2021

**WORK HISTORY REFERENCES**

Proposer shall provide a minimum of five (5) Customer References with three or more years of work history with the Proposer. Local and similar size contract references are preferred. Please use additional sheet to provide additional references. Include a description of contract scope of work.

**Business References for**

Proposer Business Name: Zebron Contracting, Inc. Date: 2-11-22

**Reference 4**

Name of Firm: Camrosa Water District Phone: 805-482-8373

Address: 7385 Santa Rosa Road, Camarillo, CA 93012 Contact: Kevin Wahl

Project Title: Rehabilitation & Coating of Sewer manhole Approx. Cost: \$120,000 Contact email: kwahl@camrosa.com

Contract SOW Description: Rehabilitate and Zebron line sewer manholes

Project Date: 9/2021 To: 2/2022

**Reference 5**

Name of Firm: Vallejos Water District Phone: (760) 744-0460

Address: 201 Vallejos De Oro, San Marcos, CA 92069 Contact: Justin Woodward

Project Title: Purchase Order 21981 Approx. Cost: \$38,480 Contact email: jwoodward@vw.d.org

Contract SOW Description: Rehabilitate and Zebron line sewer manholes

Project Date: 9/2021 To: 9/2021





### ***Statement of Qualifications***

Zebron has been successfully protecting infrastructure since 1969. Our coatings are formulations of 100% solids polyurethane. They contain no solvents and when applied the cure without shrinkage to form a tough, yet flexible membrane which provides exceptional protection from severe corrosion. Zebron resists nearly all acids, bases and salt solutions over a wide range of concentrations. Zebron also meets the requirements for UL Classification in accordance with ANSI/NSF Standard 61, Section 5, Barrier Materials. The Zebron system pairs the highest quality materials with 40 + years of application expertise.

#### ***Manufacturing Experience***

Zebron Polyurethanes are manufactured by Zebron Corporation at 1141 N. Cosby Way, Anaheim California. Zebron is produced using AA Castor Oil, a natural oil polyol or bio-polyol. Castor oil is the only commercially available natural oil polyol that is produced directly from a plant source. This AA Castor Oil is procured from the same source each time for the express purpose of quality control. Only AA grade quality Castor Oil is used, certified to meet specifications for color, Gardner; hydroxyl value; saponification value and acid value among others. All raw materials used to manufacture Zebron conform to a set of very specific physical properties. Ingredients cannot be substituted for lower grades or generic equivalents. All raw materials and finished product at Zebron's facility are closely scrutinized and audited by Truesdail Laboratories. Once a year, the Zebron factory is inspected, records are audited and finished product is sent to the lab for analysis. Zebron products are mixed at a temperature of 300-degree F under full vacuum in reactors that are used to make Zebron and nothing else. A sample of every batch is retained and tested in our laboratory for specific gravity, viscosity, moisture content and gel time. The end result is a highly refined product with predictable properties, containing no trace elements, that is consistent batch after batch.

#### ***Application Experience***

Zebron began in the industry as applicators in Hawaii in 1978. Since then, we have been building, developing and refining the equipment utilized to spray this material. Our contracting arm, Zebron Contracting, Inc. is the sole applicator trained and approved to apply Zebron Polyurethanes in California. All equipment is built in the same factory where the Zebron coatings are manufactured. It is designed specifically to spray Zebron and is never cross contaminated or used for the application of other materials.

***Industry Qualifications*** include the following:

- Licensed by the State of California Lic#855170
- NSF/ANSI 61-5 Certified
- USDA Certified Bio-based Product
- City of Los Angeles/GreenBook Approved
- Confined Space Certified, First aid and CPR certified Technicians
- Certified Zebron Technicians



DB Pipeline  
102 Second Street  
Encinitas, CA 92024  
(760) 634-5133 phone

As of Aug. 2015

## CERTIFICATE OF INSTALLER

To Whom It May Concern:

This certificate verifies that DB Pipeline has received all necessary training for the correct preparation and installation procedures for the Cosmic Tophat “Lateral connection sealing system”, and Cosmic “Quickseal” Short liner repairs. If there is any other questions please contact Chris Armijo at information listed below.

Sincerely,

A handwritten signature in blue ink is written over the Cosmic logo. The signature appears to read "Johann Kubel". Below the signature, the text "Tel.: +43 2744 7004 • e-mail: office@cosmic.at" is printed in a small font.

Tel.: +43 2744 7004 • e-mail: office@cosmic.at

Johann Kubel  
CEO, Cosmic Engineering GMBH

## Bid Results

### Bidder Details

**Vendor Name** Burtech Pipeline Incorporated  
**Address** 102 Second Street  
Encinitas, California 92024  
United States  
**Respondee** Dominic Burtech  
**Respondee Title** President & CEO  
**Phone** 760-634-2822  
**Email** buddy@burtechpipeline.com  
**Vendor Type** CADIR, PQUAL  
**License #** 718202  
**CADIR** 1000006324

### Bid Detail

**Bid Format** Electronic  
**Submitted** 04/19/2022 1:38 PM (PDT)  
**Delivery Method**  
**Bid Responsive**  
**Bid Status** Submitted  
**Confirmation #** 288118

### Respondee Comment

Please include Ms. Lota Leynes in all correspondences for quicker turn-around. Her email is lota@burtechpipeline.com. Thank You.

### Buyer Comment

### Attachments

File Title	File Name	File Type
Contractors Certification of Pending Actions.pdf	Contractors Certification of Pending Actions.pdf	Contractor's Certification of Pending Actions
Subcontractors Additive Deductive Alternate.pdf	Subcontractors Additive Deductive Alternate.pdf	Subcontractor Listing for Alternate Items
Mandatory Disclosure of Business Interests Form.pdf	Mandatory Disclosure of Business Interests Form.pdf	Mandatory Disclosure of Business Interests Form
Prime Debarment and Suspension Certification.pdf	Prime Debarment and Suspension Certification.pdf	Prime - Debarment and Suspension Certification
Sub Debarment and Suspension Certification.pdf	Sub Debarment and Suspension Certification.pdf	Subcontractor - Debarment and Suspension Certification
Contractors Experience & Past Project Documentations.pdf	Contractors Experience & Past Project Documentations.pdf	Contractor's Experience and Past Project Documentation
Manufacturer Installer Qualification Package.pdf	Manufacturer Installer Qualification Package.pdf	Manufacturer Authorized Installer Certification
Bid Bond - Grp1050.pdf	Bid Bond - Grp1050.pdf	Bid Bond

## Subcontractors

Showing 15 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
<b>Busby Biological Services, Inc.</b> 4629 Cass Street #192 San Diego, California 92109	General Services - Bid Item 86 Biological Monitoring and Reporting	ELBE	Not Required	\$39,129.86	CAU, DBE, ELBE, FEM, SDB, WBE, WOSB, Local
<b>CODE 3 Media</b> 663 S Rancho Santa Fe Suite 177 San Marcos, California 92078	General Services: Bid Item 77 for Video Recording of existing Conditions	FAA 3930297	1000055028	\$3,780.00	Local
<b>California Asphalt Paving and Gradir</b> 674 Alagria pl. Chula Vista, California 91910	Constructor - Asphalt Paving Scopes including Trench AC Grind & Overlay. Portion of Trench Base Paving.	1033358	1000062521	\$816,789.90	LAT, MALE, ELBE, Local
<b>DB Pipeline, Inc.</b> 102 Second Street Suite C Encinitas, California 92024	Constructor - Service Lateral Connection (Top Hats)	1046212	1000062288	\$146,880.00	CAU, MALE, CADIR, Local
<b>Jerusalem Construction, Inc. DBA M</b> 1827 Cleveland Ave National City, California 91950	Constructor - Curb Ramps and PCC Concrete Work	1009541	1000033057	\$432,400.00	ELBE, PQUAL, CADIR, Local
<b>MD Rubberized Crackfill, LLC</b> 32 Rancho Circle Lake Forest, California 92630	Constructor - Bid Item 28 Crack Sealing	986686	1000006438	\$57,062.00	
<b>McGrath Consulting</b> PO Box 2488 El Cajon, California 92021	Designer - WPCP Development	QSD 20194	1000037165	\$575.00	Local
<b>Meridian Archaeological Services &amp;</b> 1104 California Street Imperial Beach, California 91932	General Services - Archaeological, Paleontological and Native American Monitoring Services	ELBE	not required	\$52,934.00	ELBE, LAT, MALE, Local
<b>Nu-Line Technologies, LLC</b> 102 Second Street, Suite B Encinitas, California 92024	Constructor - Sewer Main Rehabilitation, Cleaning & Video Inspection and Video for Final Acceptance	997520	1000003808	\$230,000.00	FEM, MBE, CADIR, WBE, PQUAL, Local
<b>PAYNECO SPECIALTIES INC</b> 120 N Second Avenue Chula Vista, California 91910	Constructor - Striping Scopes	298637	1000003515	\$81,607.35	DBE, WBE, Local

<p><b>Piperin Corporation</b> 510 Venture Street Escondido, California 92029</p>	<p>Constructor - Open-Cut Installation for Sewer Main Scopes</p>	<p>964028</p>	<p>1000000485</p>	<p>\$1,070,700.00</p>	<p>CADIR, ELBE, PQUAL, Local</p>
<p><b>ROY ALLAN SLURRY SEAL, INC</b> 11922 BLOOMFIELD AVE SANTA FE SPRINGS, California 90671</p>	<p>Constructor - RPMS Slurry Sealing Scopes</p>	<p>372798</p>	<p>1000001156</p>	<p>\$598,567.58</p>	<p>PQUAL, CADIR</p>
<p><b>Rec Trucking Inc</b> 1128 2nd ave Chula vista, California 91911</p>	<p>General Services - Trucking Services for Offsite Hauling</p>	<p>1087615</p>	<p>1000040647</p>	<p>\$143,000.00</p>	<p>ELBE, DBE, CADIR, MALE, LAT, Local</p>
<p><b>Soclaris Contracting</b> 7437 Lowell Ct. La Mesa, California 91942</p>	<p>Constructor - Haz Waste &amp; PCS Scopes Bid Items 4-11</p>	<p>793838</p>	<p>1000011964</p>	<p>\$57,000.00</p>	<p>CADIR, DVBE, SDVSB, SLBE, MALE, CAU, Local</p>
<p><b>Zebron Contracting, Inc</b> P.O. Box 2874 Newport Beach, California 92659</p>	<p>Constructor - Manhole Rehabilitation Bid Item 82</p>	<p>855170</p>	<p>1000004993</p>	<p>\$79,000.00</p>	

## Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Main Bid							\$11,985,060.48		
1	524126		Bonds (Payment and Performance)	LS	1	\$72,881.17	\$72,881.17	Yes	
2	334290		Remote Control Camera Inspection (EOC Type II)	AL	1	\$20,000.00	\$20,000.00	Yes	
3	237110		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$15,000.00	\$15,000.00	Yes	
4	238990		Preparation of Hazardous Waste Management Plan and Reporting	LS	1	\$9,200.00	\$9,200.00	Yes	
5	541690		Monitoring of Contaminated Soil	HR	100	\$75.00	\$7,500.00	Yes	
6	238990		Testing, Sampling, Site Storage, and Handling of Soils Containing RCRA Hazardous Waste	TON	100	\$20.00	\$2,000.00	Yes	
7	238990		Loading, Transportation, and Disposal of soils containing RCRA Hazardous Waste	TON	100	\$75.00	\$7,500.00	Yes	
8	238990		Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil	TON	100	\$15.00	\$1,500.00	Yes	
9	238990		Loading, Transportation, and Disposal of Petroleum Contaminated Soil	TON	100	\$50.00	\$5,000.00	Yes	
10	238990		Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	GAL	100	\$15.00	\$1,500.00	Yes	
11	238990		Community Health and Safety Plan (CHSP)	LS	1	\$2,300.00	\$2,300.00	Yes	
12	541690		Archaeological and Native American Monitoring Program	LF	7500	\$6.45	\$48,375.00	Yes	
13	541690		Paleontological Monitoring Program	LF	1500	\$8.31	\$12,465.00	Yes	
14	541690		Suspension of Work - Resources	DAY	5	\$100.00	\$500.00	Yes	
15	541690		Archaeological and Native American Mitigation and Curation (EOC Type I)	AL	1	\$10,000.00	\$10,000.00	Yes	
16	541690		Paleontological Mitigation and Excavation	CY	250	\$1.00	\$250.00	Yes	
17	237110		Mobilization	LS	1	\$105,000.00	\$105,000.00	Yes	
18			Field Orders (EOC Type II)	AL	1	\$609,000.00	\$609,000.00	Yes	
19	238910		Clearing and Grubbing	LS	1	\$100.00	\$100.00	Yes	
20	237310		Asphalt Pavement Repair	TON	166	\$150.00	\$24,900.00	Yes	
21	237310		Subgrade Imported Backfill	TON	100	\$75.00	\$7,500.00	Yes	
22	237310		Class 2 Aggregate Base	TON	100	\$75.00	\$7,500.00	Yes	
23	237310		Rubber Polymer Modified Slurry (RPMS) Type I	SF	361114	\$0.40	\$144,445.60	Yes	
24	237310		Rubber Polymer Modified Slurry (RPMS) Type II	SF	685067	\$0.51	\$349,384.17	Yes	
25	237310		Rubber Polymer Modified Slurry (RPMS) Type III	SF	323953	\$0.58	\$187,892.74	Yes	
26	237310		Rubber Polymer Modified Slurry (RPMS) Type I (Bike Lane)	SF	25062	\$0.40	\$10,024.80	Yes	
27	237310		Pavement Restoration Adjacent to Trench	SF	20550	\$6.00	\$123,300.00	Yes	
28	237310		Crack Seal	LB	13850	\$4.74	\$65,649.00	Yes	
29	237310		Historical and Contractor Date Stamps and Impressions	EA	10	\$172.50	\$1,725.00	Yes	
30	237310		Remove and Replace Existing Sidewalk	SF	3600	\$15.00	\$54,000.00	Yes	
31	237310		Additional Curb and Gutter Removal and Replacement	LF	2200	\$55.00	\$121,000.00	Yes	
32	237310		Median Curb and Gutter (Type B-1)	LF	150	\$55.00	\$8,250.00	Yes	
33	237310		Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	EA	9	\$7,600.00	\$68,400.00	Yes	
34	237310		Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles	EA	3	\$5,700.00	\$17,100.00	Yes	
35	237310		Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	EA	9	\$6,150.00	\$55,350.00	Yes	
36	237310		Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	EA	29	\$6,050.00	\$175,450.00	Yes	
37	237310		Colored Stamped Concrete Raised Median	SF	250	\$21.00	\$5,250.00	Yes	
38	237110		Phased Paving	EA	10	\$100.00	\$1,000.00	Yes	
39	237110		Abandon and Fill Existing Water Main Outside of the Trench Limit	LF	5723	\$24.00	\$137,352.00	Yes	
40	237110		Abandon and Fill Existing Sewer Main (8-Inch) Outside of the Trench Limit	LF	1820	\$20.00	\$36,400.00	Yes	
41	237110		Abandon Existing Manhole Outside of the Trench Limit	EA	3	\$1,600.00	\$4,800.00	Yes	
42	237110		Handling and Disposal of Non-friable Asbestos Material	LF	17000	\$22.00	\$374,000.00	Yes	
43	237110		4-Inch or Larger Meter for Construction Flushing (EOC Type I)	AL	1	\$15,500.00	\$15,500.00	Yes	
44	237110		Water Main (8-Inch)	LF	4150	\$145.00	\$601,750.00	Yes	
45	237110		Water Main (10-Inch)	LF	55	\$180.00	\$9,900.00	Yes	
46	237110		Water Main (12-Inch)	LF	800	\$258.00	\$206,400.00	Yes	
47	237110		Water Main (16-Inch)	LF	7300	\$280.00	\$2,044,000.00	Yes	
48	237110		Water Main (8-Inch, Class 305)	LF	500	\$210.00	\$105,000.00	Yes	
49	237110		Water Main (12-Inch, Class 305)	LF	43	\$260.00	\$11,180.00	Yes	

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
50	237110		Water Main (16-Inch, Class 305)	LF	4400	\$322.00	\$1,416,800.00	Yes	
51	237110		Sewer Main (8- Inch)	LF	3000	\$178.00	\$534,000.00	Yes	
52	237110		Sewer Main (8-Inch, SDR-18)	LF	150	\$230.00	\$34,500.00	Yes	
53	237110		Butterfly Valve (16-Inch, Class 150B)	EA	34	\$7,000.00	\$238,000.00	Yes	
54	237110		Gate Valve (4-Inch)	EA	1	\$1,800.00	\$1,800.00	Yes	
55	237110		Gate Valve (8-Inch)	EA	20	\$2,800.00	\$56,000.00	Yes	
56	237110		Gate Valve (12-Inch)	EA	3	\$4,800.00	\$14,400.00	Yes	
57	237110		Fire Hydrant Assembly and Marker (2 Port)	EA	19	\$12,500.00	\$237,500.00	Yes	
58	237110		Fire Hydrant Assembly and Marker (3 Port)	EA	20	\$17,000.00	\$340,000.00	Yes	
59	237110		Fire Service Connection and Assembly (6-Inch)	EA	1	\$15,000.00	\$15,000.00	Yes	
60	237110		Water Service (1-Inch)	EA	318	\$4,100.00	\$1,303,800.00	Yes	
61	237110		Water Service (2-Inch)	EA	14	\$8,600.00	\$120,400.00	Yes	
62	237110		Water Service (6-Inch)	EA	2	\$12,000.00	\$24,000.00	Yes	
63	237110		Meter Boxes	EA	50	\$50.00	\$2,500.00	Yes	
64	237110		Blow-Off Valve Assembly (2-Inch)	EA	5	\$6,800.00	\$34,000.00	Yes	
65	237110		Blow-Off Valve Assembly (4-Inch)	EA	6	\$10,000.00	\$60,000.00	Yes	
66	237110		Air and Vacuum (Air Release) Valve Assembly (1-Inch, Class 150)	EA	18	\$6,800.00	\$122,400.00	Yes	
67	237310		Temporary Resurfacing	TON	100	\$175.00	\$17,500.00	Yes	
68	237110		Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains	EA	69	\$1,000.00	\$69,000.00	Yes	
69	237110		Imported Trench Backfill	TON	1000	\$25.00	\$25,000.00	Yes	
70	237110		Manhole (4 ft x 3 ft)	EA	16	\$10,500.00	\$168,000.00	Yes	
71	237110		Sewer Lateral and Cleanout (4-Inch, Street)	EA	40	\$3,900.00	\$156,000.00	Yes	
72	237110		Sewer Main Cleanout (8-Inch)	EA	5	\$7,500.00	\$37,500.00	Yes	
73	237110		Cleaning and Video Inspection of Existing Pipelines and Culverts	LF	10343	\$1.00	\$10,343.00	Yes	
74	237110		Video Inspection of Pipelines and Culverts for Acceptance	LF	10343	\$1.00	\$10,343.00	Yes	
75	237310		Removal and Replacement of Existing Paint Striping	LS	1	\$23,000.00	\$23,000.00	Yes	
76	237310		Removal and Replacement of Existing Thermoplastic Striping and Markings	LS	1	\$34,000.00	\$34,000.00	Yes	
77	238990		Video Recording of Existing Conditions	LS	1	\$4,350.00	\$4,350.00	Yes	
78	237110		Point Repair for Existing Sewer Main (8-Inch)	EA	5	\$2,000.00	\$10,000.00	Yes	
79	237110		Additional Point Repair for Existing Sewer Main (8-Inch)	LF	200	\$10.00	\$2,000.00	Yes	
80	237110		Rehabilitate Sewer Main (8-Inch)	LF	7050	\$28.00	\$197,400.00	Yes	
81	237110		Service Lateral Connection	EA	219	\$750.00	\$164,250.00	Yes	
82	237110		Rehabilitate Existing Manhole	EA	40	\$2,271.00	\$90,840.00	Yes	
83	237110		Service Lateral Rehabilitation with Cleanout	EA	204	\$1,700.00	\$346,800.00	Yes	
84	237310		Traffic Control	LS	1	\$75,000.00	\$75,000.00	Yes	
85	237310		Pedestrian Barricade (Type A)	EA	1	\$1,500.00	\$1,500.00	Yes	
86	541330		Biological Monitoring and Reporting	LS	1	\$45,000.00	\$45,000.00	Yes	
87	237110		Pavement Restoration for Final Connection	SF	500	\$20.00	\$10,000.00	Yes	
88	541330		WPCP Development	LS	1	\$660.00	\$660.00	Yes	
89	237310		WPCP Implementation	LS	1	\$25,000.00	\$25,000.00	Yes	
90	273110		Connection to Existing Manhole and Rechanneling	EA	1	\$2,000.00	\$2,000.00	Yes	
<b>Additive Alternate A</b>							<b>\$300,000.00</b>		
91	237110		Furnished Materials for Contractor High Line Work	LF	25000	\$2.00	\$50,000.00	Yes	
92	237110		Highlining Installation by the Contractor	LF	25000	\$9.00	\$225,000.00	Yes	
93	237110		Highlining Removed by the Contractor	LF	25000	\$1.00	\$25,000.00	Yes	
<b>Additive Alternate B</b>							<b>\$202,000.00</b>		
94	237110		Cut-in Tee by Contractor (16x8 Inch)	EA	1	\$7,000.00	\$7,000.00	Yes	
95	237110		Cut-in Tee by Contractor (16 Inch)	EA	2	\$7,000.00	\$14,000.00	Yes	
96	237110		Cut-in Cross by Contractor (16x12 Inch)	EA	1	\$8,000.00	\$8,000.00	Yes	
97	237110		Cut-in Cross by Contractor (16 Inch)	EA	1	\$8,000.00	\$8,000.00	Yes	

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
98	237110		Cut and Plug by Contractor	EA	12	\$4,000.00	\$48,000.00	Yes	
99	237110		Connections to The Existing System by Contractor (8 Inch through 12 Inch)	EA	15	\$6,000.00	\$90,000.00	Yes	
100	237110		Connections to The Existing System by Contractor (16 Inch)	EA	1	\$7,000.00	\$7,000.00	Yes	
101	237110		Connections to The Existing System by Contractor (20 Inch)	EA	2	\$10,000.00	\$20,000.00	Yes	
Additive Alternate C							\$1,104,357.60		
102	237310		Asphalt Concrete Overlay	TON	5045	\$150.00	\$756,750.00	Yes	
103	237310		Cross Gutter	SF	11400	\$17.50	\$199,500.00	Yes	
104	237310		Traffic Signal Loop and Appurtenance Replacement (Type E)	EA	5	\$1,035.00	\$5,175.00	Yes	
105	237310		Cold Mill AC Pavement (> 1½ inch - 3 inch)	SF	420390	\$0.34	\$142,932.60	Yes	
Deductive Alternate D							(\$405,636.14)		
106	237310		Rubber Polymer Modified Slurry (RPMS) Type I [(Deductive) Enter Unit Price as Negative (-)]	SF	361114	(\$0.35)	(\$126,389.90)	Yes	
107	237310		Rubber Polymer Modified Slurry (RPMS) Type II [(Deductive) Enter Unit Price as Negative (-)]	SF	420390	(\$0.44)	(\$184,971.60)	Yes	
108	237310		Rubber Polymer Modified Slurry (RPMS) Type III [(Deductive) Enter Unit Price as Negative (-)]	SF	59276	(\$0.50)	(\$29,638.00)	Yes	
109	237310		Crack Seal [(Deductive) Enter Unit Price as Negative (-)]	LB	8408	(\$4.12)	(\$34,640.96)	Yes	
110	237310		Asphalt Pavement Repair [(Deductive) Enter Unit Price as Negative (-)]	TON	114	(\$263.12)	(\$29,995.68)	Yes	
Additive Alternate E Jackson Dr							\$8,214.24		
111	238210		Bicycle Loop	EA	2	\$1,000.00	\$2,000.00	Yes	
112	237310		Buffer Cross Hatch (Thermoplastic)	EA	274	\$16.00	\$4,384.00	Yes	
113	237310		Detail 39 (PAINT)	LF	2013	\$0.63	\$1,268.19	Yes	
114	237310		Detail 38 (PAINT)	LF	45	\$0.92	\$41.40	Yes	
115	237310		Detail 27B (PAINT)	LF	5	\$0.63	\$3.15	Yes	
116	237310		Pavement Marking / Legend - Bike w / Arrow Symbol (PAINT)	EA	7	\$63.25	\$442.75	Yes	
117	237310		Pavement Marking/Type IV Arrows (L/R)	EA	1	\$74.75	\$74.75	Yes	
Additive Alternate E Navajo Rd							\$27,734.05		
118	238210		Bicycle Loop	EA	1	\$1,000.00	\$1,000.00	Yes	
119	237310		Buffer Diagonal Stripe (Thermo)	EA	1398	\$16.00	\$22,368.00	Yes	
120	237310		Continental Crosswalk	LF	60	\$51.75	\$3,105.00	Yes	
121	237310		Detail 39 (PAINT)	LF	660	\$0.63	\$415.80	Yes	
122	237310		Detail 29/22/32/25 (PAINT)	LF	55	\$2.30	\$126.50	Yes	
123	237310		Stop Bar / Limit Line (Thermo)	LF	10	\$17.25	\$172.50	Yes	
124	237310		Pavement Marking / Legend - Bike w / Arrow Symbol (PAINT)	EA	2	\$63.25	\$126.50	Yes	
125	237310		Pavement Marking / Type IV Arrows (L/R)	EA	1	\$74.75	\$74.75	Yes	
126	237310		Pavement Marking / Arrow Type VI (Thermo)	EA	1	\$345.00	\$345.00	Yes	
Additive Alternate E Park Ridge Bl							\$3,269.77		
127	238210		Bicycle Loop	EA	1	\$1,000.00	\$1,000.00	Yes	
128	237310		Buffer Diagonal Stripe (Thermo)	EA	123	\$16.00	\$1,968.00	Yes	
129	237310		Detail 39 (PAINT)	LF	479	\$0.63	\$301.77	Yes	

## Line Item Subtotals

Section Title	Line Total
Main Bid	\$11,985,060.48
Additive Alternate A	\$300,000.00
Additive Alternate B	\$202,000.00
Additive Alternate C	\$1,104,357.60
Deductive Alternate D	(\$405,636.14)
Additive Alternate E Jackson Dr	\$8,214.24
Additive Alternate E Navajo Rd	\$27,734.05
Additive Alternate E Park Ridge Bl	\$3,269.77
<b>Grand Total</b>	<b>\$13,225,000.00</b>

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Burtech Pipeline Incorporated - Unit Price	Burtech Pipeline Incorporated - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$72,881.17	\$72,881.17
2	Main Bid	334290	Remote Control Camera Inspection (EOC Type II)	3-5.1.6	AL	1	\$20,000.00	\$20,000.00
3	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	3-12.5.4	LS	1	\$15,000.00	\$15,000.00
4	Main Bid	238990	Preparation of Hazardous Waste Management Plan and Reporting	5-15.17	LS	1	\$9,200.00	\$9,200.00
5	Main Bid	541690	Monitoring of Contaminated Soil	5-15.17	HR	100	\$75.00	\$7,500.00
6	Main Bid	238990	Testing, Sampling, Site Storage, and Handling of Soils Containing RCRA Hazardous Waste	5-15.17	TON	100	\$20.00	\$2,000.00
7	Main Bid	238990	Loading, Transportation, and Disposal of soils containing RCRA Hazardous Waste	5-15.17	TON	100	\$75.00	\$7,500.00
8	Main Bid	238990	Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil	5-15.17	TON	100	\$15.00	\$1,500.00
9	Main Bid	238990	Loading, Transportation, and Disposal of Petroleum Contaminated Soil	5-15.17	TON	100	\$50.00	\$5,000.00

10	Main Bid	238990	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	5-15.17	GAL	100	\$15.00	\$1,500.00
11	Main Bid	238990	Community Health and Safety Plan (CHSP)	5-15.17	LS	1	\$2,300.00	\$2,300.00
12	Main Bid	541690	Archaeological and Native American Monitoring Program	6-6.2.1.1	LF	7500	\$6.45	\$48,375.00
13	Main Bid	541690	Paleontological Monitoring Program	6-6.2.2.1	LF	1500	\$8.31	\$12,465.00
14	Main Bid	541690	Suspension of Work - Resources	6-6.2.1.1 OR 6-6.2.2.1	DAY	5	\$100.00	\$500.00
15	Main Bid	541690	Archaeological and Native American Mitigation and Curation (EOC Type I)	6-6.2.3.1	AL	1	\$10,000.00	\$10,000.00
16	Main Bid	541690	Paleontological Mitigation and Excavation	6-6.2.4.1	CY	250	\$1.00	\$250.00
17	Main Bid	237110	Mobilization	7-3.4.1	LS	1	\$105,000.00	\$105,000.00
18	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$609,000.00	\$609,000.00
19	Main Bid	238910	Clearing and Grubbing	300-1.4	LS	1	\$100.00	\$100.00
20	Main Bid	237310	Asphalt Pavement Repair	301-1.7	TON	166	\$150.00	\$24,900.00
21	Main Bid	237310	Subgrade Imported Backfill	301-1.7	TON	100	\$75.00	\$7,500.00
22	Main Bid	237310	Class 2 Aggregate Base	301-2.4	TON	100	\$75.00	\$7,500.00
23	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	361114	\$0.40	\$144,445.60
24	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	685067	\$0.51	\$349,384.17

25	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type III	302-4.12.4	SF	323953	\$0.58	\$187,892.74
26	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I (Bike Lane)	302-4.12.4	SF	25062	\$0.40	\$10,024.80
27	Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	20550	\$6.00	\$123,300.00
28	Main Bid	237310	Crack Seal	302-15.5	LB	13850	\$4.74	\$65,649.00
29	Main Bid	237310	Historical and Contractor Date Stamps and Impressions	303-5.9	EA	10	\$172.50	\$1,725.00
30	Main Bid	237310	Remove and Replace Existing Sidewalk	303-5.9	SF	3600	\$15.00	\$54,000.00
31	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	2200	\$55.00	\$121,000.00
32	Main Bid	237310	Median Curb and Gutter (Type B-1)	303-5.9	LF	150	\$55.00	\$8,250.00
33	Main Bid	237310	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	9	\$7,600.00	\$68,400.00
34	Main Bid	237310	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	3	\$5,700.00	\$17,100.00
35	Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	9	\$6,150.00	\$55,350.00
36	Main Bid	237310	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	29	\$6,050.00	\$175,450.00
37	Main Bid	237310	Colored Stamped Concrete Raised Median	303-6.1.2	SF	250	\$21.00	\$5,250.00
38	Main Bid	237110	Phased Paving	306-1.2.1	EA	10	\$100.00	\$1,000.00

39	Main Bid	237110	Abandon and Fill Existing Water Main Outside of the Trench Limit	306-3.3.4	LF	5723	\$24.00	\$137,352.00
40	Main Bid	237110	Abandon and Fill Existing Sewer Main (8-Inch) Outside of the Trench Limit	306-3.3.4	LF	1820	\$20.00	\$36,400.00
41	Main Bid	237110	Abandon Existing Manhole Outside of the Trench Limit	306-3.3.4	EA	3	\$1,600.00	\$4,800.00
42	Main Bid	237110	Handling and Disposal of Non-friable Asbestos Material	306-3.3.5.5	LF	17000	\$22.00	\$374,000.00
43	Main Bid	237110	4-Inch or Larger Meter for Construction Flushing (EOC Type I)	306-8.9.4.5	AL	1	\$15,500.00	\$15,500.00
44	Main Bid	237110	Water Main (8-Inch)	306-15.1	LF	4150	\$145.00	\$601,750.00
45	Main Bid	237110	Water Main (10-Inch)	306-15.1	LF	55	\$180.00	\$9,900.00
46	Main Bid	237110	Water Main (12-Inch)	306-15.1	LF	800	\$258.00	\$206,400.00
47	Main Bid	237110	Water Main (16-Inch)	306-15.1	LF	7300	\$280.00	\$2,044,000.00
48	Main Bid	237110	Water Main (8-Inch, Class 305)	306-15.1	LF	500	\$210.00	\$105,000.00
49	Main Bid	237110	Water Main (12-Inch, Class 305)	306-15.1	LF	43	\$260.00	\$11,180.00
50	Main Bid	237110	Water Main (16-Inch, Class 305)	306-15.1	LF	4400	\$322.00	\$1,416,800.00
51	Main Bid	237110	Sewer Main (8- Inch)	306-15.1	LF	3000	\$178.00	\$534,000.00
52	Main Bid	237110	Sewer Main (8-Inch, SDR-18)	306-15.1	LF	150	\$230.00	\$34,500.00
53	Main Bid	237110	Butterfly Valve (16-Inch, Class 150B)	306-15.5	EA	34	\$7,000.00	\$238,000.00
54	Main Bid	237110	Gate Valve (4-Inch)	306-15.5	EA	1	\$1,800.00	\$1,800.00
55	Main Bid	237110	Gate Valve (8-Inch)	306-15.5	EA	20	\$2,800.00	\$56,000.00
56	Main Bid	237110	Gate Valve (12-Inch)	306-15.5	EA	3	\$4,800.00	\$14,400.00

57	Main Bid	237110	Fire Hydrant Assembly and Marker (2 Port)	306-15.6	EA	19	\$12,500.00	\$237,500.00
58	Main Bid	237110	Fire Hydrant Assembly and Marker (3 Port)	306-15.6	EA	20	\$17,000.00	\$340,000.00
59	Main Bid	237110	Fire Service Connection and Assembly (6-Inch)	306-15.6	EA	1	\$15,000.00	\$15,000.00
60	Main Bid	237110	Water Service (1-Inch)	306-15.8	EA	318	\$4,100.00	\$1,303,800.00
61	Main Bid	237110	Water Service (2-Inch)	306-15.8	EA	14	\$8,600.00	\$120,400.00
62	Main Bid	237110	Water Service (6-Inch)	306-15.8	EA	2	\$12,000.00	\$24,000.00
63	Main Bid	237110	Meter Boxes	306-15.8	EA	50	\$50.00	\$2,500.00
64	Main Bid	237110	Blow-Off Valve Assembly (2-Inch)	306-15.8	EA	5	\$6,800.00	\$34,000.00
65	Main Bid	237110	Blow-Off Valve Assembly (4-Inch)	306-15.8	EA	6	\$10,000.00	\$60,000.00
66	Main Bid	237110	Air and Vacuum (Air Release) Valve Assembly (1-Inch, Class 150)	306-15.8	EA	18	\$6,800.00	\$122,400.00
67	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	100	\$175.00	\$17,500.00
68	Main Bid	237110	Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains	306-15.10	EA	69	\$1,000.00	\$69,000.00
69	Main Bid	237110	Imported Trench Backfill	306-15.11	TON	1000	\$25.00	\$25,000.00
70	Main Bid	237110	Manhole (4 ft x 3 ft)	306-16.6	EA	16	\$10,500.00	\$168,000.00
71	Main Bid	237110	Sewer Lateral and Cleanout (4-Inch, Street)	306-17.2	EA	40	\$3,900.00	\$156,000.00
72	Main Bid	237110	Sewer Main Cleanout (8-Inch)	306-17.2	EA	5	\$7,500.00	\$37,500.00
73	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	10343	\$1.00	\$10,343.00
74	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	10343	\$1.00	\$10,343.00

75	Main Bid	237310	Removal and Replacement of Existing Paint Striping	314-4.3.7	LS	1	\$23,000.00	\$23,000.00
76	Main Bid	237310	Removal and Replacement of Existing Thermoplastic Striping and Markings	314-4.4.6	LS	1	\$34,000.00	\$34,000.00
77	Main Bid	238990	Video Recording of Existing Conditions	400-1.1.1	LS	1	\$4,350.00	\$4,350.00
78	Main Bid	237110	Point Repair for Existing Sewer Main (8-Inch)	500-4.7	EA	5	\$2,000.00	\$10,000.00
79	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8-Inch)	500-4.7	LF	200	\$10.00	\$2,000.00
80	Main Bid	237110	Rehabilitate Sewer Main (8-Inch)	500-12	LF	7050	\$28.00	\$197,400.00
81	Main Bid	237110	Service Lateral Connection	501-9	EA	219	\$750.00	\$164,250.00
82	Main Bid	237110	Rehabilitate Existing Manhole	502-8	EA	40	\$2,271.00	\$90,840.00
83	Main Bid	237110	Service Lateral Rehabilitation with Cleanout	503-6	EA	204	\$1,700.00	\$346,800.00
84	Main Bid	237310	Traffic Control	601-7	LS	1	\$75,000.00	\$75,000.00
85	Main Bid	237310	Pedestrian Barricade (Type A)	701-2	EA	1	\$1,500.00	\$1,500.00
86	Main Bid	541330	Biological Monitoring and Reporting	802-4	LS	1	\$45,000.00	\$45,000.00
87	Main Bid	237110	Pavement Restoration for Final Connection	901-2.5	SF	500	\$20.00	\$10,000.00
88	Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$660.00	\$660.00
89	Main Bid	237310	WPCP Implementation	1001-4.2	LS	1	\$25,000.00	\$25,000.00
90	Main Bid	273110	Connection to Existing Manhole and Rechanneling	306-16.6	EA	1	\$2,000.00	\$2,000.00
							Subtotal	\$11,985,060.48

91	Additive Alternate A	237110	Furnished Materials for Contractor High Line Work	900-1.9	LF	25000	\$2.00	\$50,000.00
92	Additive Alternate A	237110	Highlining Installation by the Contractor	901-1.3	LF	25000	\$9.00	\$225,000.00
93	Additive Alternate A	237110	Highlining Removed by the Contractor	901-1.3	LF	25000	\$1.00	\$25,000.00
							Subtotal	\$300,000.00
94	Additive Alternate B	237110	Cut-in Tee by Contractor (16x8 Inch)	901-2.5	EA	1	\$7,000.00	\$7,000.00
95	Additive Alternate B	237110	Cut-in Tee by Contractor (16 Inch)	901-2.5	EA	2	\$7,000.00	\$14,000.00
96	Additive Alternate B	237110	Cut-in Cross by Contractor (16x12 Inch)	901-2.5	EA	1	\$8,000.00	\$8,000.00
97	Additive Alternate B	237110	Cut-in Cross by Contractor (16 Inch)	901-2.5	EA	1	\$8,000.00	\$8,000.00
98	Additive Alternate B	237110	Cut and Plug by Contractor	901-2.5	EA	12	\$4,000.00	\$48,000.00
99	Additive Alternate B	237110	Connections to The Existing System by Contractor (8 Inch through 12 Inch)	901-2.5	EA	15	\$6,000.00	\$90,000.00
100	Additive Alternate B	237110	Connections to The Existing System by Contractor (16 Inch)	901-2.5	EA	1	\$7,000.00	\$7,000.00
101	Additive Alternate B	237110	Connections to The Existing System by Contractor (20 Inch)	901-2.5	EA	2	\$10,000.00	\$20,000.00
							Subtotal	\$202,000.00
102	Additive Alternate C	237310	Asphalt Concrete Overlay	302-5.9	TON	5045	\$150.00	\$756,750.00
103	Additive Alternate C	237310	Cross Gutter	303-5.9	SF	11400	\$17.50	\$199,500.00

104	Additive Alternate C	237310	Traffic Signal Loop and Appurtenance Replacement (Type E)	404-12	EA	5	\$1,035.00	\$5,175.00
105	Additive Alternate C	237310	Cold Mill AC Pavement (> 1½ inch - 3 inch)	404-12	SF	420390	\$0.34	\$142,932.60
							Subtotal	\$1,104,357.60
106	Deductive Alternate D	237310	Rubber Polymer Modified Slurry (RPMS) Type I [(Deductive) Enter Unit Price as Negative (-)]	302-4.12.4	SF	361114	-\$0.35	-\$126,389.90
107	Deductive Alternate D	237310	Rubber Polymer Modified Slurry (RPMS) Type II [(Deductive) Enter Unit Price as Negative (-)]	302-4.12.4	SF	420390	-\$0.44	-\$184,971.60
108	Deductive Alternate D	237310	Rubber Polymer Modified Slurry (RPMS) Type III [(Deductive) Enter Unit Price as Negative (-)]	302-4.12.4	SF	59276	-\$0.50	-\$29,638.00
109	Deductive Alternate D	237310	Crack Seal [(Deductive) Enter Unit Price as Negative (-)]	302-15.5	LB	8408	-\$4.12	-\$34,640.96
110	Deductive Alternate D	237310	Asphalt Pavement Repair [(Deductive) Enter Unit Price as Negative (-)]	301-1.7	TON	114	-\$263.12	-\$29,995.68
							Subtotal	-\$405,636.14
111	Additive Alternate E Jackson Dr	238210	Bicycle Loop	404.12	EA	2	\$1,000.00	\$2,000.00
112	Additive Alternate E Jackson Dr	237310	Buffer Cross Hatch (Thermoplastic)	314-4.3.7	EA	274	\$16.00	\$4,384.00
113	Additive Alternate E Jackson Dr	237310	Detail 39 (PAINT)	314-4.3.7	LF	2013	\$0.63	\$1,268.19

114	Additive Alternate E Jackson Dr	237310	Detail 38 (PAINT)	<b>314-4.3.7</b>	LF	45	\$0.92	\$41.40
115	Additive Alternate E Jackson Dr	237310	Detail 27B (PAINT)	<b>314-4.3.7</b>	LF	5	\$0.63	\$3.15
116	Additive Alternate E Jackson Dr	237310	Pavement Marking / Legend - Bike w / Arrow Symbol (PAINT)	<b>314-4.4.6</b>	EA	7	\$63.25	\$442.75
117	Additive Alternate E Jackson Dr	237310	Pavement Marking/Type IV Arrows (L/R)	<b>314-4.4.6</b>	EA	1	\$74.75	\$74.75
							Subtotal	\$8,214.24
118	Additive Alternate E Navajo Rd	238210	Bicycle Loop	<b>404.12</b>	EA	1	\$1,000.00	\$1,000.00
119	Additive Alternate E Navajo Rd	237310	Buffer Diagonal Stripe (Thermo)	<b>314-4.4.6</b>	EA	1398	\$16.00	\$22,368.00
120	Additive Alternate E Navajo Rd	237310	Continental Crosswalk	<b>314-4.4.6</b>	LF	60	\$51.75	\$3,105.00
121	Additive Alternate E Navajo Rd	237310	Detail 39 (PAINT)	<b>314-4.3.7</b>	LF	660	\$0.63	\$415.80
122	Additive Alternate E Navajo Rd	237310	Detail 29/22/32/25 (PAINT)	<b>314-4.3.7</b>	LF	55	\$2.30	\$126.50
123	Additive Alternate E Navajo Rd	237310	Stop Bar / Limit Line (Thermo)	<b>314-4.4.6</b>	LF	10	\$17.25	\$172.50
124	Additive Alternate E Navajo Rd	237310	Pavement Marking / Legend - Bike w / Arrow Symbol (PAINT)	<b>314-4.4.6</b>	EA	2	\$63.25	\$126.50

125	Additive Alternate E Navajo Rd	237310	Pavement Marking / Type IV Arrows (L/R)	<b>314-4.4.6</b>	EA	1	\$74.75	\$74.75
126	Additive Alternate E Navajo Rd	237310	Pavement Marking / Arrow Type VI (Thermo)	<b>314-4.4.6</b>	EA	1	\$345.00	\$345.00
							Subtotal	\$27,734.05
127	Additive Alternate E Park Ridge Bl	238210	Bicycle Loop	<b>404.12</b>	EA	1	\$1,000.00	\$1,000.00
128	Additive Alternate E Park Ridge Bl	237310	Buffer Diagonal Stripe (Thermo)	<b>314-4.4.6</b>	EA	123	\$16.00	\$1,968.00
129	Additive Alternate E Park Ridge Bl	237310	Detail 39 (PAINT)	<b>314-4.3.7</b>	LF	479	\$0.63	\$301.77
							Subtotal	\$3,269.77
							Total	\$13,225,000.00



**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

3/24/22  
Date

Seal:



**A. CHANGES TO CONTRACT DOCUMENTS**

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

**B. SUPPLEMENTARY SPECIAL PROVISIONS**

1. To Section 4, Control of Materials, Subsection 4-6, Trade Names, page 56, item 11, **DELETE** in its entirety and **SUBSTITUTE** with the following:
2. You shall submit your list of proposed substitutions for an “equal” item **no later than 5 Working Days after the issuance of the Notice of Intent to Award** and on the City’s Product Submittal Form available at:

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

**C. ADDITIONAL CHANGES**

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

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

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	237310	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	EA	<del>32</del> <u>29</u>	303-5.10.2
Main Bid	237110	Blow-Off Valve Assembly (2-Inch)	EA	<u>4</u> <del>5</del>	306-15.8

**D. PLANS**

1. To Drawing Sheet Numbers 41499-01-D, 41499-20-D, 41499-24-D, 41499-32-D thru 41499-33-D, 41499-48-D, 41499-50-D thru 41499-51-D, **DELETE** in their entirety and **REPLACE** with pages 5 through 12 of this Addendum.

Rania Amen, Director  
Engineering & Capital Projects Department

Dated: *March 28, 2022*  
San Diego, California

RA/MJ/ks

# AC WATER AND SEWER GROUP 1050

## CONTRACTOR'S RESPONSIBILITIES

## SHEET INDEX

- 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.
- 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)
- 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.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- 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 402-UTILITIES.
- 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.
- 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.
- PROVIDE A CORROSION PREVENTATIVE COATING ON ALL BURIED DUCTILE IRON PIPE AND FITTINGS INCLUDING ALL BENDS, TEES, CROSSES, FLEX COUPLINGS FLANGE BOLTS, AND VALVES PER CONTRACT SPECIFICATIONS.
- FOR COORDINATION OF THE SHUTDOWN OF MAINS, PLEASE CONTACT THE FOLLOWING: TRANSMISSION MAINS (16 INCHES AND LARGER) - JESUS RAMOS (619-527-7438) DISTRIBUTION MAINS (LESS THAN 16 INCHES) - TISA AGUIERO (619-527-3143) WATER FACILITIES - TATYANA FIKHMAN (619-527-7465) AND JESUS RAMOS (619-527-7438)
- WORK ON JACKSON DRIVE (WITHIN 300-FEET OF THE MHPA SHALL BE RESTRICTED TO OUTSIDE THE BIRD NESTING SEASON (MARCH 1 - AUGUST 15), IF WORK MUST OCCUR DURING THIS TIME PERIOD, THE CONTRACTOR MUST HIRE A BIOLOGIST. THE BIOLOGIST WILL BE REQUIRED TO SURVEY THE AREA FOR NESTING BIRDS, INCLUDING LISTED OR MSCP COVERED SPECIES SUCH AS CALIFORNIA Gnatcatcher. IF NESTING BIRDS ARE DETECTED, THE PROJECT WILL BE REQUIRED TO IMPLEMENT NOISE ATTENUATION MEASURES, AS NEEDED, TO COMPLY WITH THE CITY'S MHPA LAND USE ADJACENCY GUIDELINES (MSCP SUBAREA PLAN SECTION 1.4.3) AND ENSURE CONSTRUCTION NOISE DOES NOT EXCEED 60 DBA (HOURLY AVERAGE) AT THE EDGE OF OCCUPIED HABITAT.
- WORK ON JACKSON DRIVE (WITHIN 300-FEET OF THE MHPA) SHALL BE RESTRICTED TO DAY LIGHT HOURS ONLY. IF WORK MUST OCCUR AT NIGHT, ALL LIGHTING SHALL BE SHIELDED AND DIRECTED AWAY FROM THE MHPA AND UNDEVELOPED AREAS.
- CONNECTION JOINTS SHALL NOT BE INSTALLED ON THE PROPOSED WATER MAIN ABOVE, BELOW AND WITHIN 10' OF BOTH SIDES OF SEWER OR STORM DRAIN CROSSING.

## CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) 0.91  
HYDROLOGIC UNIT / WATERSHED SAN DIEGO / SAN DIEGO RIVER WMA  
HYDROLOGIC SUBAREA NAME & NO. MISSION SAN DIEGO 907.II
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE  
 MINOR WPCP  
THE PROJECT IS SUBJECT TO MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100  
 WPCP  
THE PROJECT IS SUBJECT TO MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100  
 SWPPP  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ  
TRADITIONAL RISK LEVEL  1  2  3  
LUP; RISK TYPE  1  2  3
- CONSTRUCTION SITE PRIORITY  
 ASBS  HIGH  MEDIUM  LOW

## PERMANENT STORM WATER BMP CATEGORY:

- PRIORITY DEVELOPMENT PROJECT  
 STANDARD DEVELOPMENT PROJECT  
 PDP EXEMPT  
 NOT SUBJECT TO PERMANENT STORM WATER REQUIREMENTS

## ABBREVIATIONS

ABAND	ABANDON	BK	BACK	CONT	CONTINUED
ABAND'D	ABANDONED	BTWN	BETWEEN	CONTR	CONTRACTOR
AC	ASBESTOS CEMENT PIPE	CATV	CABLE TV	DB	DIRECT BURIED
AHD	AHEAD	CI	CAST IRON PIPE	DI	DUCTILE IRON
ASSY	ASSEMBLY	C	CENTER LINE	EB	ENCASED BURIED
BFV	BUTTERFLY VALVE	COND	CONDUIT	EL, ELEV	ELEVATION
ELEC EX, EXIST	ELECTRIC EXISTING	HDPE	HIGH-DENSITY POLYETHYLENE	PROP	PROPOSED
E/O	EAST OF	IE	INVERT ELEVATION	PVC	POLYVINYL CHLORIDE
F	FLANGE	LT	LEFT	RED	REDUCER
FH	FIRE HYDRANT	MJ	MECHANICAL JOINT	RT	RIGHT
FS	FIRE SERVICE	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM	S	SURVEY LINE
GV	GATE VALVE	MTD	MULTIPLE TELEPHONE DUCT	SO	SOOT OUT
HP	HIGH PRESSURE	N/O	NORTH OF	S/O	SOUTH OF
				SWR	SEWER
				TEL	TELEPHONE
				UNK	UNKNOWN
				VC	VITRIFIED CLAY PIPE
				WM	WATER METER
				WTR	WATER
				WS	WELDED STEEL
				W/O	WEST OF

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT)
				SIZE (IN)	MATERIAL	
1	G-1	COVER SHEET				
2	G-2	KEY MAP SEWER				
3	G-3	KEY MAP WATER				
4	C-1	TOWN VIEW LN TOWN VIEW TER TOWN VIEW CT	SEWER REHABILITATION CUL-DE-SAC TO TOWN VIEW CT TOWN VIEW LN TO CUL-DE-SAC TOWN VIEW LN TO CUL-DE-SAC	8	-	599.01 120.00 180.16
5	C-2	TOWN VIEW LN & HIGH WINDS WAY LAZY CLOUDS PT	TOWN VIEW CT TO CUL-DE-SAC HIGH WINDS WY TO CUL-DE-SAC	8	-	851.08 163.14
6	C-3	RIDGE ROUTE RD LAUREL RIDGE RD	LOFTY VIEW PT TO RIDGE ROUTE RD RIDGE ROUTE RD TO MOUNTAIN TOP CT	8	-	832.42 439.37
7	C-4	LAUREL RIDGE RD MOUNTAIN TOP CT CLEAR SKY TERRACE	MOUNTAIN TOP CT TO HIGH COUNTRY CT CUL-DE-SAC TO CUL-DE-SAC LAUREL RIDGE RD TO CUL-DE-SAC	8	-	444.09 501.45 90.07
8	C-5	LAUREL RIDGE RD	HIGH COUNTRY CT TO LAUREL RIDGE CT	8	-	691.55
9	C-6	LAUREL RIDGE RD	SUMMIT RIDGE WAY TO CIBOLA RD	8	-	1,241.57
11	C-8	PARK RIDGE BLVD	VISTA DEL CERRO APT TO PARK RIDGE BLVD	8	-	265.15
12	C-9	LAUREL RIDGE RD	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	605.27
10	C-7	CIBOLA RD AND LAUREL RIDGE RD	SEWER SO CIBOLA RD TO E/O LAUREL RIDGE RD	8	-	361.26
11	C-8	PARK RIDGE BLVD	PARK RIDGE BLVD TO STEVENSON WAY	8	-	140.80
13	C-10	PARK RIDGE BLVD	STEVENSON WAY TO FORRESTAL DR	8	-	487.78
14	C-11	LAUREL RIDGE RD	PARK RIDGE BLVD TO NW OF LAUREL RIDGE RD	8	-	108.04
15	C-12	FORRESTAL DR	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	558.24
16	C-13	PARK RIDGE BLVD	FORRESTAL DR TO JACKSON DR	8	-	336.27
17	C-14	JACKSON DR	PARK RIDGE BLVD TO BIRCHCREEK RD	8	-	591.40
18	C-15	JACKSON DR	BIRCHCREEK RD TO NAVAJO RD	8	-	499.39
19	C-16	TOWN VIEW LN	WATER CUL-DE-SAC TO S/O TOWN VIEW CT	16	-	700.00
20	C-17	TOWN VIEW LN HIGH WINDS WAY LAZY CLOUDS PT	TOWN VIEW LN TO RIDGE ROUTE RD RIDGE ROUTE RD TO CUL-DE-SAC HIGH WINDS WAY TO CUL-DE-SAC	16 8 8	-	558.37 195.23 160.56
21	C-18	TOWN VIEW TER TOWN VIEW CT	TOWN VIEW LN TO TOWN VIEW TER TOWN VIEW LN TO TOWN VIEW CT	8 8	-	112.35 185.30
22	C-19	RIDGE ROUTE RD LOFTY VIEW PT	HIGH WINDS WAY TO LAUREL RIDGE RD LAUREL RIDGE RD TO LOFTY VIEW PT	16 8	-	341.48 371.61
23	C-20	LAUREL RIDGE RD	RIDGE ROUTE RD TO E/O MOUNTAIN TOP CT	16	-	600.00
24	C-21	LAUREL RIDGE RD CLEAR SKY TER	W/O CLEAR SKY TER TO E/O SUMMIT RIDGE WAY LAUREL RIDGE RD TO CUL-DE-SAC	16 8	-	800.00 103.11
25	C-22	LAUREL RIDGE RD	W/O CIBOLA RD TO LAUREL RIDGE RD	16	-	800.00
26	C-23	LAUREL RIDGE RD	W/O OFRIA AVE TO E/O OFRIA AVE	16	-	700.00
27	C-24	LAUREL RIDGE RD	E/O OFRIA AVE TO PARK RIDGE BLVD	16	-	734.04
28	C-25	MOUNTAIN TOP CT	CUL-DE-SAC TO CUL-DE-SAC	8	-	552.17
29	C-26	HIGH COUNTRY CT LAUREL RIDGE CT	LAUREL RIDGE RD S TO CUL-DE-SAC LAUREL RIDGE RD N TO CUL-DE-SAC	8 8	-	269.10 277.32
30	C-27	SUMMIT RIDGE WAY	LAUREL RIDGE RD TO CUL-DE-SAC	8	-	958.82
31	C-28	PARK RIDGE BLVD	STEVENSON WAY TO JACKSON DR	12	-	276.14
32	C-29	STEVENSON WAY	PARK RIDGE BLVD TO CUL-DE-SAC	16	-	566.45
33	C-30	FORRESTAL DR	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	516.37
34	C-31	JACKSON DR	PARK RIDGE BLVD TO E/O BIRCHCREEK RD	16	-	700.00
35	C-32	JACKSON DR	JACKSON DR TO NAVAJO RD	12	-	517.85
36	C-33	PARK RIDGE BLVD	HYDE PARK DR TO NAVAJO RD	16	-	64.87
37	C-34	NAVAJO RD	PARK RIDGE BLVD	16	-	612.52
38	C-35	NAVAJO RD	NAVAJO RD TO JACKSON DR	16	-	131.36
39	C-36	NAVAJO RD	E/O JACKSON DR	16	-	700.00
40	C-37	NAVAJO RD	W/O JACKSON DR TO W/O GOLFCREST DR	16	-	800.00
41	C-38	NAVAJO RD	W/O GOLFCREST DR TO W/O GOLFCREST DR	16	-	800.00
42	C-39	LOMAS DEL CERRO CONDOS	NAVAJO RD S/O LOMAS DEL CERRO CONDOS	8	-	817.67
43	C-40	GOLFCREST DR	NAVAJO RD N/O GOLFCREST DR	12	-	68.78 342.64
44-47	C-41-C-44	STREET RESURFACING		TOTAL SEWER		10,342.53
48-57	C-45-C-54	CURB RAMP LOCATION MAPS AND DETAILS		TOTAL WATER		16,729.05
58	C-55	BATCH DISCHARGE PLAN				
59	C-56	WORK BY CITY FORCES				
60	C-57	SURVEY MONUMENT PERPETUATION				
61	C-58	SEWER & WATER ABANDONMENT				
62	C-59	FIRE DEPARTMENT INFORMATION SHEET				
63	C-60	THRUST BLOCK TABLE				
	TC-1-TC-32	TRAFFIC PLANS				

## DISCIPLINE CODE

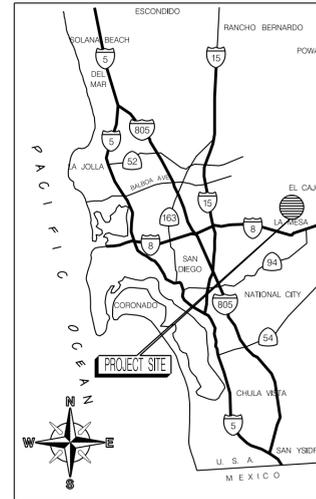
- G GENERAL  
C CIVIL  
TC TRAFFIC CONTROL

## ABBREVIATIONS

ELEC EX, EXIST	ELECTRIC EXISTING	HDPE	HIGH-DENSITY POLYETHYLENE	PROP	PROPOSED	TEL	TELEPHONE
E/O	EAST OF	IE	INVERT ELEVATION	PVC	POLYVINYL CHLORIDE	UNK	UNKNOWN
F	FLANGE	LT	LEFT	RED	REDUCER	VC	VITRIFIED CLAY PIPE
FH	FIRE HYDRANT	MJ	MECHANICAL JOINT	RT	RIGHT	WM	WATER METER
FS	FIRE SERVICE	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM	S	SURVEY LINE	WTR	WATER
GV	GATE VALVE	MTD	MULTIPLE TELEPHONE DUCT	SO	SOOT OUT	WS	WELDED STEEL
HP	HIGH PRESSURE	N/O	NORTH OF	S/O	SOUTH OF	W/O	WEST OF

## WORK TO BE DONE

CONSTRUCTION OF AC SEWER AND WATER GROUP 1050 CONSISTS OF THE REPLACEMENT OF 16,729.05 LINEAR FEET OF EXISTING 4-INCH, 6-INCH, 8-INCH, 10-INCH, 12-INCH, 16-INCH, AND 20-INCH WATER MAINS, INCLUDING ALL ASSOCIATED WATER SERVICES, FIRE HYDRANTS, VALVES, WATER METERS, AND OTHER APPURTENANCES. CONSTRUCTION ALSO CONSISTS OF THE REPLACEMENT OF 3,083.18 LINEAR FEET OF EXISTING 8-INCH SEWER AND THE REHABILITATION OF 7,024.31 LINEAR FEET OF EXISTING 8-INCH SEWER MAINS, INCLUDING ASSOCIATED LATERALS, MANHOLES, CLEANOUTS, AND OTHER APPURTENANCES, CURB RAMPS, RESURFACING, AND ALL OTHER WORK AND APPURTENANCES WILL BE INCLUDED IN THIS PROJECT AREA IN ACCORDANCE WITH THESE SPECIFICATIONS AND THESE DRAWINGS NUMBERED 40499-01-D THROUGH 40499-63-D.



VICINITY MAP  
NOT TO SCALE

## FIELD DATA

TOPOGRAPHY SOURCE: B18090, B18094 (CR)  
BENCHMARK: NEBP 579.856 TOWN V. HIGH WIND W  
FIELD NOTES: A, HARRIS 230-1752  
W. QUICK 230-1752  
DATUM: MSL, NGDV 29  
BASIS OF BEARING / COORDINATES:  
GPS PT 220 PER ROS 14492  
GPS PT 880 PER ROS 14492  
GPS PT 881 PER ROS 14492  
GPS PT 882 PER ROS 14492  
GPS PT 884 PER ROS 14492  
GPS PT 992 PER ROS 14492  
STREETS REQUIRING 12" TRENCH CAP:  
N/A

## EXISTING STRUCTURES

- EX WATER MAIN & VALVES  
EX WATER METER  
EX FIRE HYDRANT  
EX SEWER MAIN & MANHOLES  
EX DRAINS  
EX PAVEMENT (PROFILE)

## IMPROVEMENTS

- TRENCH RESURFACING  
SEWER MAIN  
SEWER MANHOLE/PVC LINED  
REHAB. EX. SEWER MANHOLE  
SEWER MAIN REHAB.  
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED

- SEWER LATERAL CONNECTION

- REHAB SEWER LATERAL (LINED) WITH C.O.

- SERVICE LATERAL CONNECTION TO REHABILITATED SEWER

- ABANDON EX MANHOLE

- SLURRY FILL ABANDONED SEWER MAIN

- CUTTING AND PLUGGING ABANDONED WATER MAIN

- SURVEY MONUMENT

- WATER MAIN & APPURTENANCES

- VALVES WITH CAPS AND WELLS

- FIRE SERVICE CONNECTION & ASSEMBLY

- 6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT

- 1" WATER SERVICE UNLESS OTHERWISE SPECIFIED

- BLOW-OFF ASSEMBLY

- AIR & VACUUM VALVE

- HIGHLINING BY CONTRACTOR

- FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

## LEGEND

### REFERENCE

- SDG-107, SDG-108  
SDS-101, SDS-110 (TYPE C)  
SDS-106, SDS-107, SDS-108, SDM-113, SDS-120, M-3, SM-07  
SEE PLANS & SPECS  
SEE PLANS & SPECS

- SM-08

- SEE PLANS & SPECS

- WP-03

- M-10A, M-10B, M-10C

- SDM-105, SDW-110, SDW-151, SDW-161

- SDW-109, SDW-152, SDW-153, WV-05

- SDM-105, SDW-109, SDW-118, SDW-152, SDW-153

- SDM-105, SDW-104, SDW-109, SDW-152, SDW-153

- SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-149, SDW-150, WS-03

- SDM-105, SDW-106, SDW-143, SDW-144, SDW-145, SDW-146, WB-05,

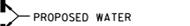
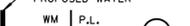
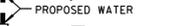
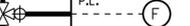
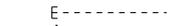
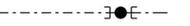
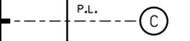
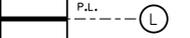
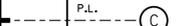
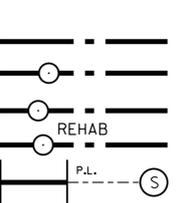
- SDM-105, SDW-117, SDW-158, SDW-159, SDW-160

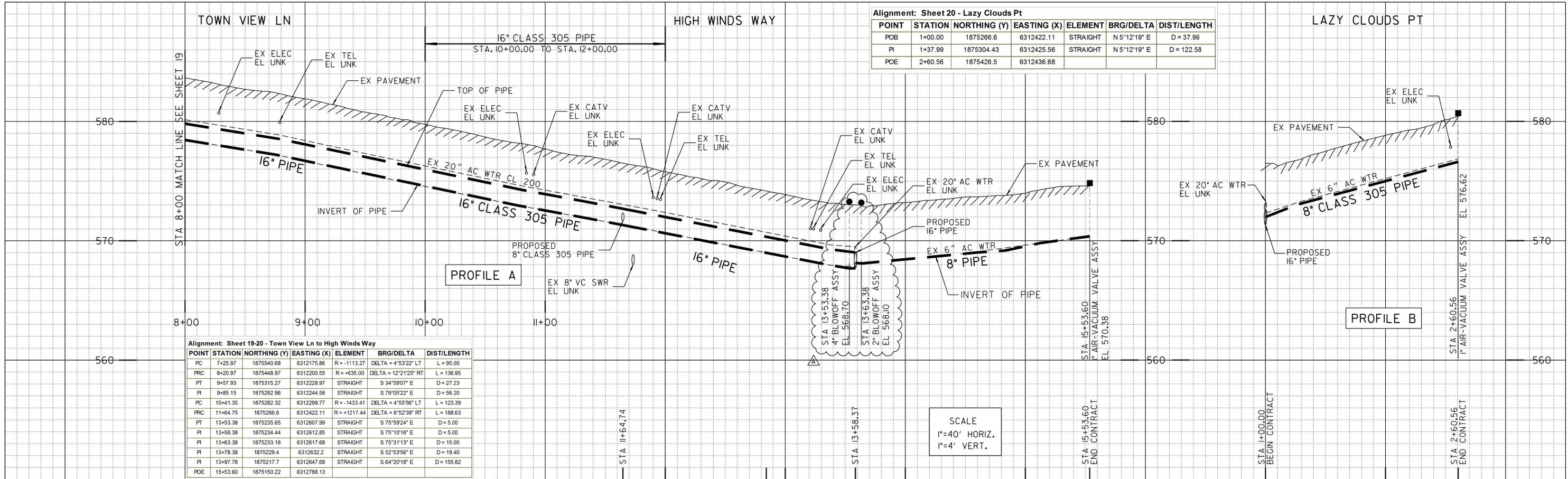
- SDW-170, SDW-171, SDW-172, SDW-173, SDW-174 IF APPLICABLE

## EXISTING STRUCTURES

- EX GROUND LINE (PROFILE)  
EX TRAFFIC SIGNAL  
EX STREET LIGHT  
GAS MAIN  
ELEC. COND., TEL. COND., CATV

## SYMBOL





Alignment: Sheet 20 - Lazy Clouds Pt

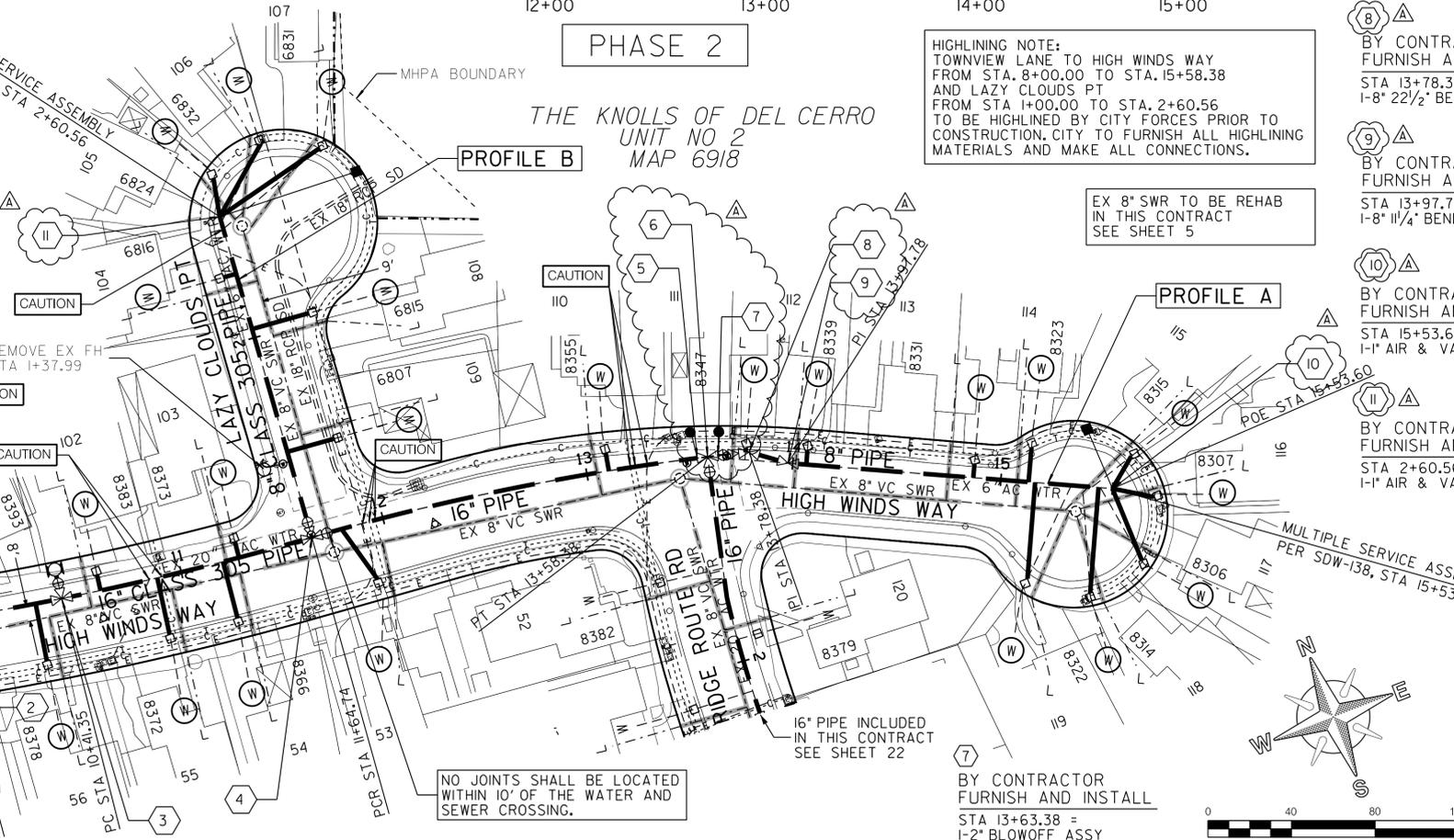
POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1875266.6	6312422.11	STRAIGHT	N 5°12'19" E	D = 37.99
PI	1+37.99	1875304.43	6312425.56	STRAIGHT	N 5°12'19" E	D = 122.58
POE	2+60.56	1875426.5	6312436.68			

Alignment: Sheet 19-20 - Town View Ln to High Winds Way

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
PC	7+25.97	1875540.68	6312175.86	R = -1113.27	DELTA = 4°53'22" LT	L = 95.00
PRC	8+20.97	1875448.97	6312200.55	R = +635.00	DELTA = 12°21'25" RT	L = 136.95
PT	9+57.93	1875315.27	6312228.97	STRAIGHT	S 34°59'07" E	D = 27.23
PI	9+85.15	1875292.96	6312244.58	STRAIGHT	S 79°05'22" E	D = 56.20
PC	10+41.35	1875282.32	6312299.77	R = -1433.41	DELTA = 4°56'56" LT	L = 123.39
PRC	11+64.75	1875266.6	6312422.11	R = +1217.44	DELTA = 8°52'39" RT	L = 188.63
PT	13+53.38	1875235.65	6312607.99	STRAIGHT	S 75°59'24" E	D = 5.00
PI	13+58.38	1875234.44	6312612.85	STRAIGHT	S 75°10'16" E	D = 5.00
PI	13+63.38	1875233.16	6312617.68	STRAIGHT	S 75°31'13" E	D = 15.00
PI	13+78.38	1875229.4	6312632.2	STRAIGHT	S 52°53'56" E	D = 19.40
PI	13+97.78	1875217.7	6312647.68	STRAIGHT	S 64°20'18" E	D = 155.82
POE	15+53.60	1875150.22	6312788.13			

- ① BY CONTRACTOR FURNISH AND INSTALL STA 9+57.93 1-16" 22 1/2" BEND (MJ)
- ② BY CONTRACTOR FURNISH AND INSTALL STA 9+85.15 1-16" 45" BEND (MJ)
- ④ BY CONTRACTOR FURNISH AND INSTALL STA 11+64.75 = STA 1+00.00 ON THIS SHEET 1-16" X8" TEE (MJ,F,F) 1-8" GV (F,MJ) LT 1-16" BFV (F,MJ) AHD
- ⑤ BY CONTRACTOR FURNISH AND INSTALL STA 13+53.38 = 1-4" BLOWOFF ASSY
- ⑥ BY CONTRACTOR FURNISH AND INSTALL STA 13+58.38 = STA 1+00.00 (SHT 22) 1-16" TEE (MJ,F,F) 2-16" BFV (F,MJ) AHD, RT 1-16" X8" RED (F) AHD

- ③ BY CONTRACTOR FURNISH AND INSTALL STA 10+41.35 1-16" X6" TEE (MJ,MJ,F) 1-6" FH ASSY (2 PORT) AND MARKER



- ⑧ BY CONTRACTOR FURNISH AND INSTALL STA 13+78.38 1-8" 22 1/2" BEND (F)
- ⑨ BY CONTRACTOR FURNISH AND INSTALL STA 13+97.78 1-8" 1 1/4" BEND (F,MJ)
- ⑩ BY CONTRACTOR FURNISH AND INSTALL STA 15+53.60 1-1" AIR & VACUUM VALVE ASSY
- ⑪ BY CONTRACTOR FURNISH AND INSTALL STA 2+60.56 1-1" AIR & VACUUM VALVE ASSY

HIGHLIGHTING NOTE:  
TOWNVIEW LANE TO HIGH WINDS WAY FROM STA. 8+00.00 TO STA. 15+58.38 AND LAZY CLOUDS PT FROM STA 1+00.00 TO STA. 2+60.56 TO BE HIGHLIGHTED BY CITY FORCES PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL HIGHLIGHTING MATERIALS AND MAKE ALL CONNECTIONS.

EX 8" SWR TO BE REHAB IN THIS CONTRACT SEE SHEET 5

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

- ⑦ BY CONTRACTOR FURNISH AND INSTALL STA 13+63.38 = 1-2" BLOWOFF ASSY

REFERENCE:  
WATER: I4454-3-D, I4454-4-D, I4454-5-D, I4454-6-D  
SEWER: I4454-3-D, I4454-4-D, I4454-5-D, I4454-6-D  
STORM DRAIN: N/A  
GAS: I6207-I19095, I6215-I19095  
ELECTRIC: I6207-I19095, I6215-I19095  
CABLE TV: FIBER NODE I320  
TELEPHONE: ATT EXT MAP REQUEST 8032  
100' SCALE/FIELD BOOK: 234-1749/LI35  
THOMAS BROS.: I250 D4  
HGL: 849

RETIREMENTS:  
6" - AC - 734.73' - 1971  
20" - AC - 574.73' - 1971  
FH (2-PORT) - 1  
2" SERVICE - 30 - COPPER - 1971

**AC WATER & SEWER GROUP 1050**  
TOWN VIEW LN, HIGH WINDS WAY & LAZY CLOUDS PT  
TOWN VIEW LN TO CUL-DE-SAC OF HIGH WINDS WAY

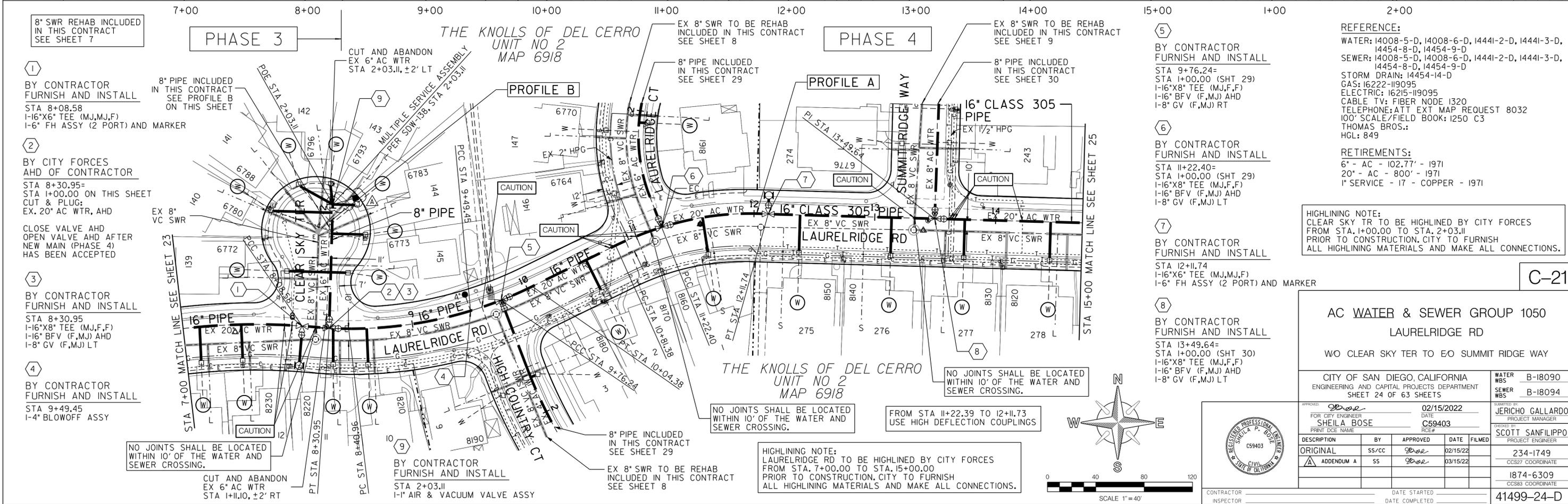
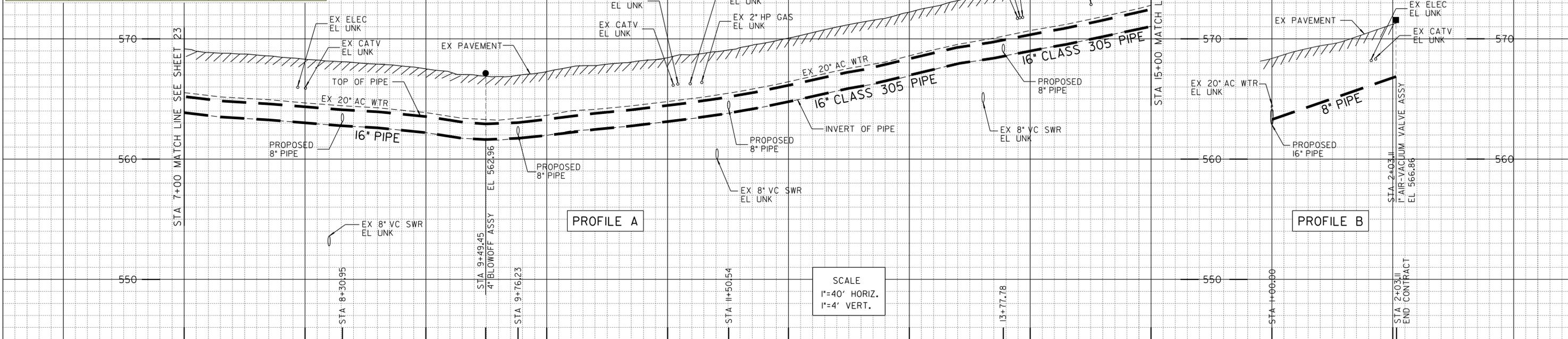
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 63 SHEETS		WATER WBS B-18090 SEWER WBS B-18094
APPROVED BY: SHEILA BOSE DATE: 02/15/2022 PROJECT: C59403	DESIGNED BY: SCOTT SANFILIPPO PROJECT ENGINEER	ORDERED BY: SCOTT SANFILIPPO PROJECT MANAGER
DESCRIPTION: ORIGINAL	BY: SS/CC	DATE: 02/15/22
ADDENDUM A	BY: SS	DATE: 03/15/22
DATE STARTED		1874-6309 CCS88 COORDINATE
DATE COMPLETED		41499-20-D

Alignment: Sheet 23-27 - Laurelridge Rd

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
PCC	8+08.58	1874855.69	6313264.37	R=+616.03	DELTA = 2°04'49" RT	L = 22.37
PT	8+30.95	1874853.81	6313286.65	STRAIGHT	S 88°31'17" E	D = 10.01
PC	8+40.96	1874853.55	6313296.66	R=-340.00	DELTA = 18°17'02" LT	L = 108.50
PCC	9+49.45	1874868.39	6313403.67	R=-340.00	DELTA = 4°30'49" LT	L = 26.78
PCC	9+76.24	1874877.24	6313428.95	R=-340.00	DELTA = 4°44'33" LT	L = 28.14
PT	10+04.38	1874888.65	6313454.66	STRAIGHT	N 63°42'14" E	D = 77.00
PC	10+81.38	1874922.77	6313523.7	R=+277.46	DELTA = 8°28'15" RT	L = 41.02
PCC	11+22.40	1874937.93	6313561.77	R=+240.79	DELTA = 21°15'30" RT	L = 89.34
PT	12+11.74	1874948.88	6313649.92	STRAIGHT	S 88°23'57" E	D = 137.90
PI	13+49.64	1874945.03	6313787.76	STRAIGHT	S 88°23'56" E	D = 267.74
PI	16+17.38	1874937.55	6314055.4	STRAIGHT	S 88°23'40" E	D = 153.68

Alignment: Sheet 24 - Clear Sky Ter

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1874853.91	6313286.66	STRAIGHT	N 1°39'50" E	D = 103.11
POE	2+03.11	1874956.98	6313289.66			



8" SWR REHAB INCLUDED IN THIS CONTRACT SEE SHEET 7

1 BY CONTRACTOR FURNISH AND INSTALL STA 8+08.58 1-16"x6" TEE (M,J,F) 1-6" FH ASSY (2 PORT) AND MARKER

2 BY CITY FORCES AHD OF CONTRACTOR STA 8+30.95 STA 1+00.00 ON THIS SHEET CUT & PLUG; EX. 20" AC WTR, AHD CLOSE VALVE AHD OPEN VALVE AHD AFTER NEW MAIN (PHASE 4) HAS BEEN ACCEPTED

3 BY CONTRACTOR FURNISH AND INSTALL STA 8+30.95 1-16"x8" TEE (M,J,F,F) 1-16" BFV (F,M,J) AHD 1-8" GV (F,M,J) LT

4 BY CONTRACTOR FURNISH AND INSTALL STA 9+49.45 1-4" BLOWOFF ASSY

PHASE 3

8" PIPE INCLUDED IN THIS CONTRACT SEE PROFILE B ON THIS SHEET

16" PIPE EX 20" AC WTR EX 8" VC SWR

16" PIPE EX 20" AC WTR EX 8" VC SWR

16" PIPE EX 20" AC WTR EX 8" VC SWR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 4

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 29

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 5

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 9

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 6

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 8

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 7

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 8

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 8

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 9

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 9

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 9

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 10

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 9

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

PHASE 11

8" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 9

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

16" CLASS 305 PIPE EX 8" VC SWR EX 20" AC WTR

NO JOINTS SHALL BE LOCATED WITHIN 10' OF THE WATER AND SEWER CROSSING.

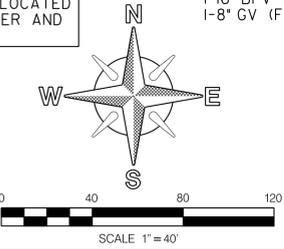
REFERENCE:  
 WATER: 14008-5-D, 14008-6-D, 14441-2-D, 14441-3-D, 14454-8-D, 14454-9-D  
 SEWER: 14008-5-D, 14008-6-D, 14441-2-D, 14441-3-D, 14454-8-D, 14454-9-D  
 STORM DRAIN: 14454-14-D  
 GAS: 16222-119095  
 ELECTRIC: 16215-119095  
 CABLE TV: FIBER NODE 1320  
 TELEPHONE: ATT EXT MAP REQUEST 8032  
 100' SCALE/FIELD BOOK: 1250 C3  
 THOMAS BROS.:  
 HGL: 849

RETIREMENTS:  
 6" - AC - 102,77' - 1971  
 20" - AC - 800' - 1971  
 1" SERVICE - 17 - COPPER - 1971

HIGHLINING NOTE:  
 CLEAR SKY TR TO BE HIGHLINED BY CITY FORCES FROM STA. 1+00.00 TO STA. 2+03.11 PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL HIGHLINING MATERIALS AND MAKE ALL CONNECTIONS.

AC WATER & SEWER GROUP 1050  
 LAURELRIDGE RD  
 WO CLEAR SKY TER TO EO SUMMIT RIDGE WAY

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 24 OF 63 SHEETS		WATER WBS B-18090 SEWER WBS B-18094
APPROVED FOR CITY ENGINEER SHEILA BOSE PRINTED NAME	DATE 02/15/2022 DATE 02/15/22 PROJECT # C59403	DESIGNED BY SCOTT SANFILIPPO PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY SS/CC	APPROVED DATE FILED
ADDENDUM A	SS	03/15/22
1874-6309 CCS83 COORDINATE		234-1749 CCS27 COORDINATE
1874-6309 CCS83 COORDINATE		41499-24-D

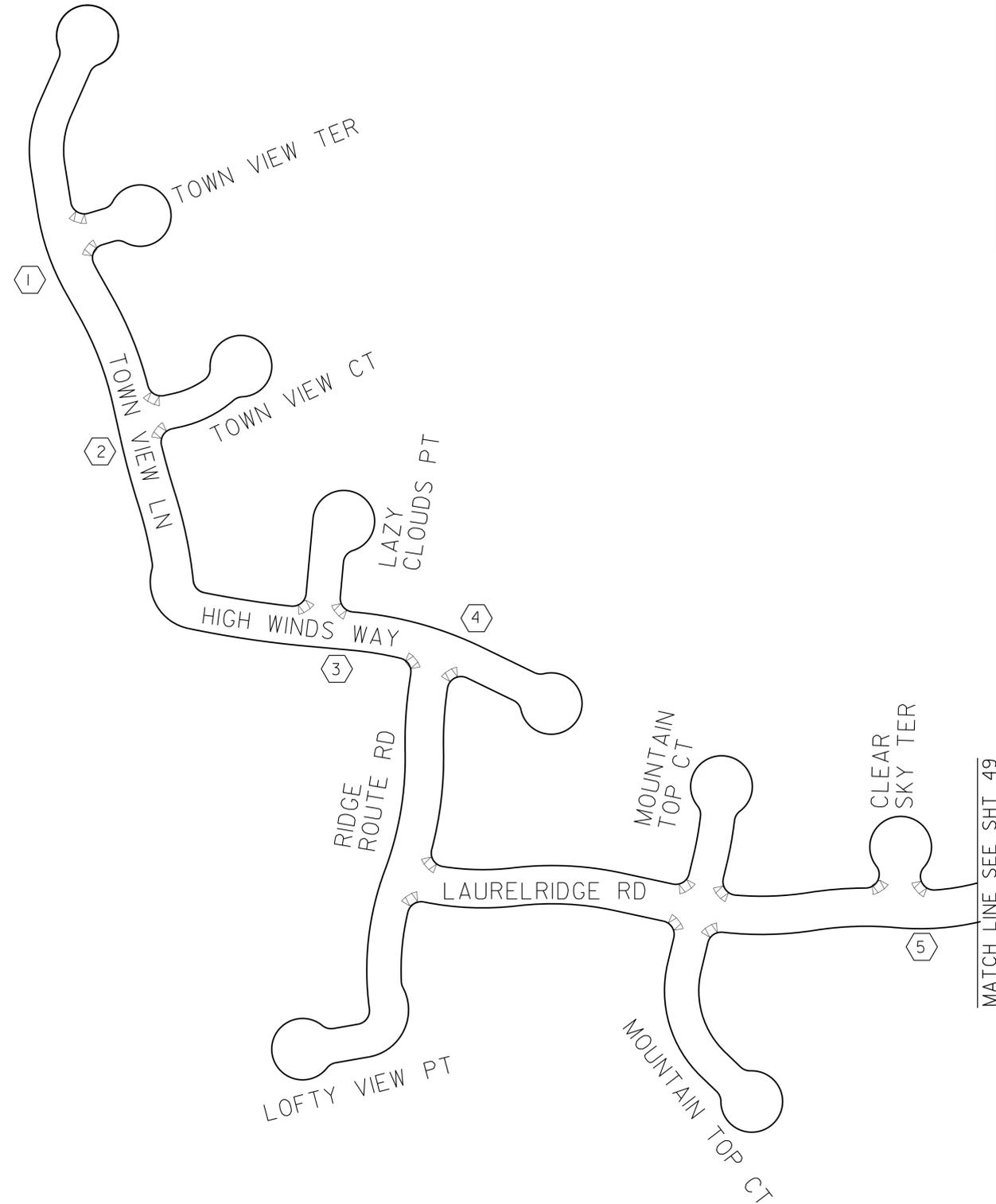






CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		REPLACEMENT SPANDREL (SPI) OR CONCRETE ALLEY APRON (CAA)	COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER		
1	C2		10'		X					X			ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY. RELOCATE OR ADJUST WATER METER BOX TO GRADE. PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.
2	C2		10'		X					X			ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY. PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.
3	C2		10'		X					X			ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY. PROVIDE LEVEL LANDING IN FRONT OF PRIVATE WALKWAY. PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.
4	C1		10'		X					X			ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY. RELOCATE OR ADJUST WATER METER BOX TO GRADE. PROTECT IN PLACE EXISTING PRIVATE FENCE. PROVIDE LEVEL LANDING IN FRONT OF PRIVATE WALKWAY. PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.
5	C2		10'		X					X			ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY. PROVIDE LEVEL LANDING IN FRONT OF PRIVATE WALKWAY.



GENERAL CURB RAMP NOTES:

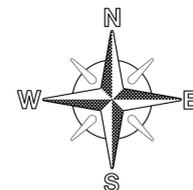
1. THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST.
2. CONTRACTOR MAY USE NON-STAINLESS MATERIAL PER CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
3. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
4. CONTRACTOR SHALL REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
5. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% WITH THE EXCEPTION OF A TYPE C2 AND C1, ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.
6. PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN CORNER SIDEWALKS.
7. CONTRACTOR TO USE THE SAME EXISTING SIDEWALK CONCRETE COLOR ON THE SIDEWALK PANELS AND CURB RAMP, MATCH APPROVED COLOR PER COMMUNITY PLAN.

NOTE:

CONTRACTOR TO NOTIFY CM & FS SURVEY SECTION 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

C-45

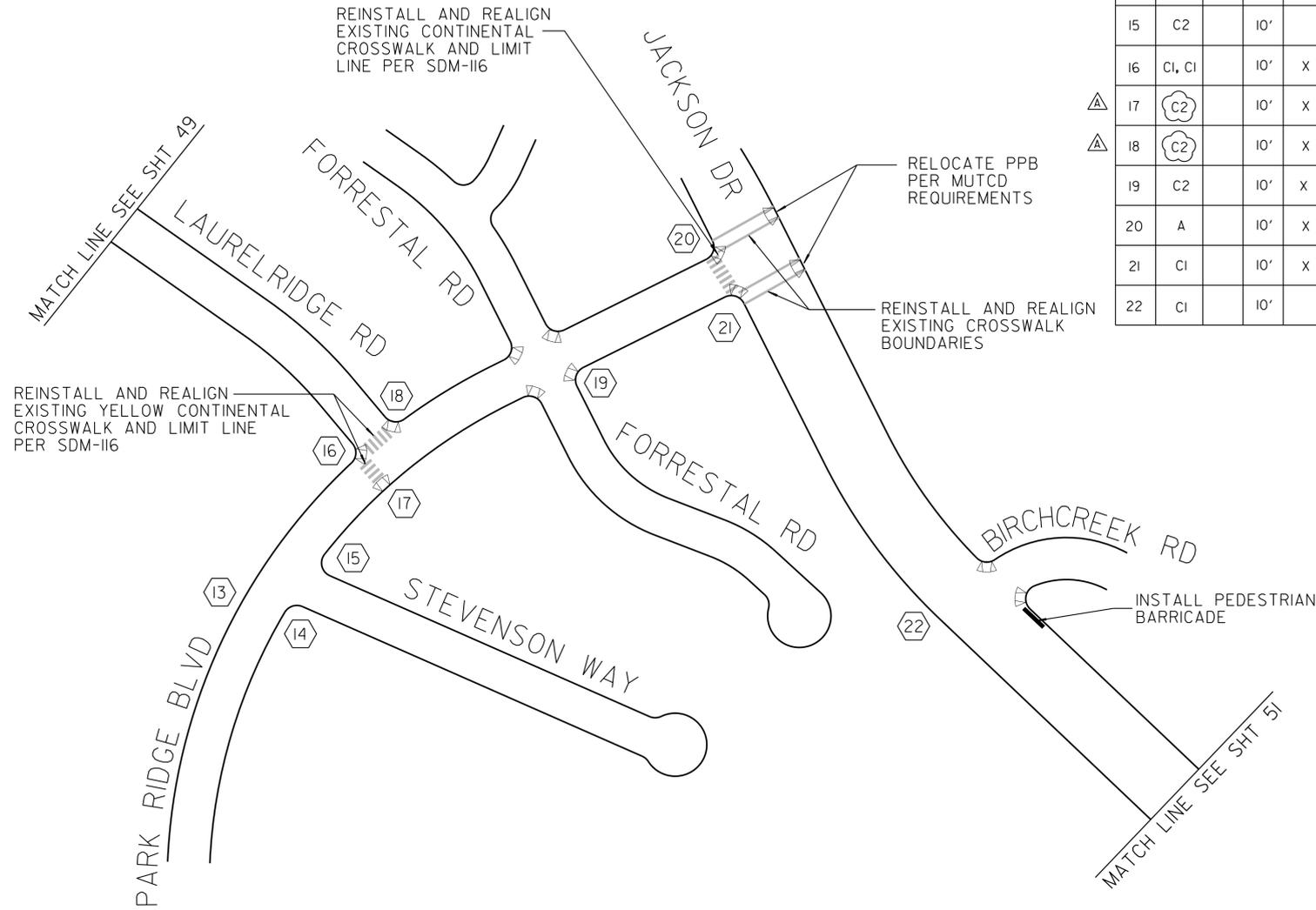
LEGEND		AC WATER & SEWER GROUP 1050 CURB RAMP LOCATION MAP 1 OF 4	
(8) CURB RAMP NO's	T EX TREE	○ EX STREET LIGHT	
◆ EX UTILITY POLE	† EX STREET SIGN	⊕ EX BARRICADE	
□ EX FIRE HYDRANT	△ EX CURB RAMP	— PEDESTRIAN BARRICADE	
<b>PROPOSED CURB RAMP PER STANDARD DRAWINGS:</b> DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 CURB RAMP - TYPE A SDG-132 CURB RAMP - TYPE B SDG-133 DUAL CURB RAMP SDG-134 CURB RAMP TYPE C1 & C2 SDG-135 CURB RAMP - ADDITIONAL DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 PEDESTRIAN ISLANDS AND CUT-THROUGH DETAILS SDG-139 PROTECTIVE RAILING AT CURB RAMP SDG-140 PEDESTRIAN BARRICADE SDG-141 EX STAMP/IMPRESSION PLACEMENT SDG-115		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 48 OF 63 SHEETS WATER WBS B-18090 SEWER WBS B-18094 APPROVED: <i>Bose</i> 02/15/2022 FOR CITY ENGINEER SHEILA BOSE DATE PRINT NAME SHEILA BOSE PROJECT C59403 DESIGNED BY: SCOTT SANFILIPPO PROJECT ENGINEER ORIGINAL ss/cc <i>Bose</i> 02/15/22 SEE SHEETS ADDENDUM A SS <i>Bose</i> 03/15/22 CCS27 COORDINATE SEE SHEETS CCS88 COORDINATE CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____ 41499-48-D	



NOT TO SCALE

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		REPLACEMENT SPANDREL (SP) OR CONCRETE ALLEY APRON (CAA)	COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER		
13	CI		10'		X					X			PROVIDE LEVEL LANDING IN FRONT OF PRIVATE WALKWAY. PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.
14	CI		10'		X					X		SP	PROTECT IN PLACE EXISTING LIGHT POLE. RELOCATE OR ADJUST ELECTRICAL BOX TO GRADE.
15	C2		10'		X					X		SP	PROTECT IN PLACE EXISTING STREET SIGN.
16	CI, CI		10'	X						X			INSTALL DUAL CURB RAMPS, BOTH RAMPS TYPE CI.
17	C2		10'	X						X			REPLACE RAMP TO ALIGN WITH NEW DUAL CURB RAMP CONFIGURATION.
18	C2		10'	X						X			REPLACE RAMP TO ALIGN WITH NEW DUAL CURB RAMP CONFIGURATION.
19	C2		10'	X						X		SP	PROTECT IN PLACE EXISTING STREET SIGN.
20	A		10'	X						X			INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE. RELOCATE PPB PER MUTCD REQUIREMENTS.
21	CI		10'	X						X			SEE DETAIL A ON SHEET 52. INSTALL RAMP WITH 12' WIDE OPENING. RELOCATE OR ADJUST TRAFFIC BOX TO GRADE. RELOCATE PPB PER MUTCD REQUIREMENTS.
22	CI		10'		X					X			PROVIDE MINIMUM 5' OF RED CURB ON BOTH SIDES OF THE CURB RAMP FROM THE TOP OF WING.



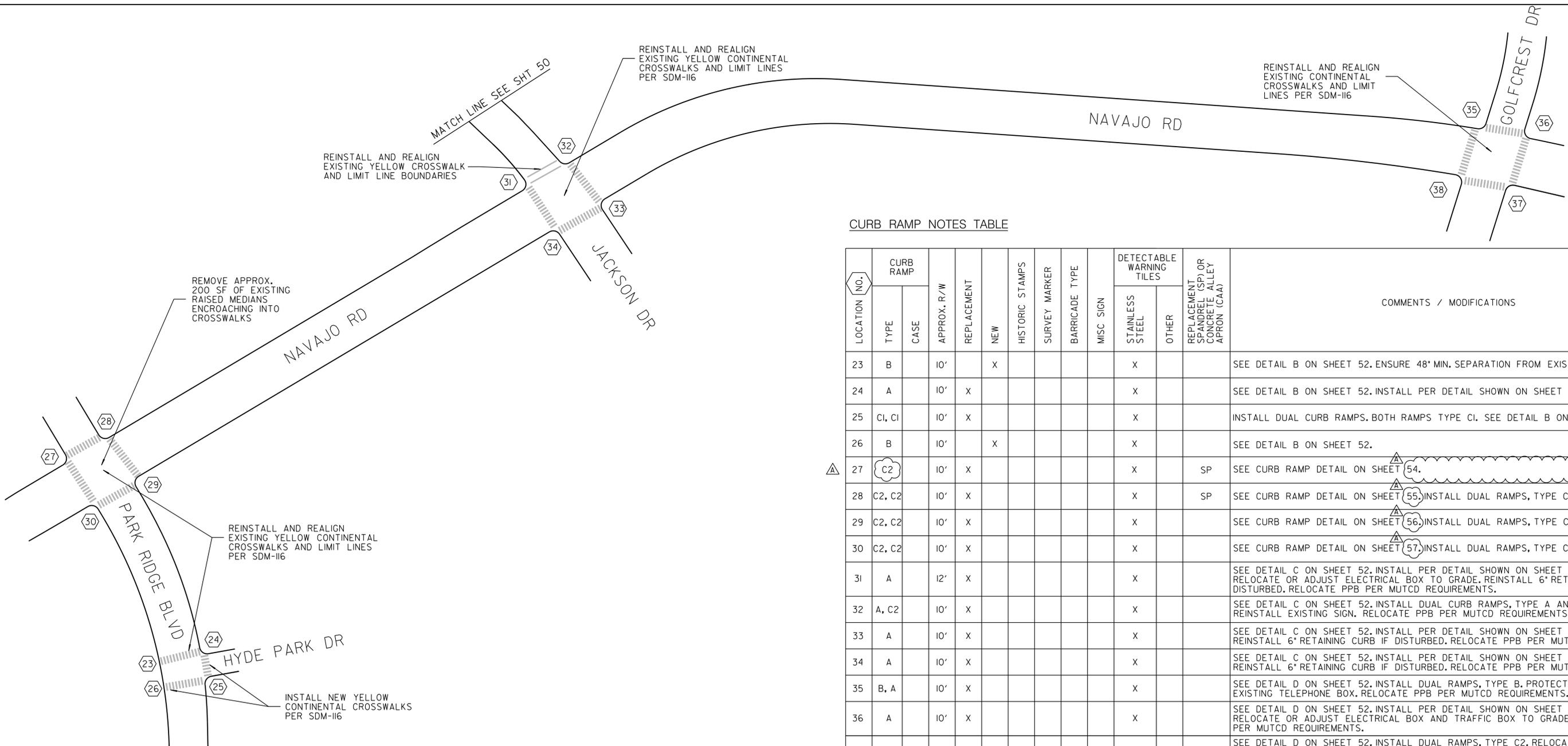
**NOTE:**  
 CONTRACTOR TO NOTIFY CM & FS SURVEY SECTION 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.



<b>LEGEND</b>		<b>AC WATER &amp; SEWER GROUP 1050 CURB RAMP LOCATION MAP 3 OF 4</b>	
<ul style="list-style-type: none"> <li>(8) CURB RAMP NO's</li> <li>EX UTILITY POLE</li> <li>EX FIRE HYDRANT</li> <li>T EX TREE</li> <li>EX STREET SIGN</li> <li>EX CURB RAMP</li> </ul>	<ul style="list-style-type: none"> <li>EX STREET LIGHT</li> <li>EX BARRICADE</li> <li>PEDESTRIAN BARRICADE</li> </ul>	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 50 OF 63 SHEETS	
PROPOSED CURB RAMPS PER STANDARD DRAWINGS: DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 CURB RAMP - TYPE A SDG-132 CURB RAMP - TYPE B SDG-133 DUAL CURB RAMPS SDG-134 CURB RAMPS TYPE CI & C2 SDG-135 CURB RAMP - ADDITIONAL DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 PEDESTRIAN ISLANDS AND CUT-THROUGH DETAILS SDG-139 PROTECTIVE RAILING AT CURB RAMP SDG-140 PEDESTRIAN BARRICADE SDG-141 EX STAMP/IMPRESSION PLACEMENT SDG-115		APPROVED: <i>Sheila Bose</i> 02/15/2022 FOR CITY ENGINEER SHEILA BOSE C59403 PRINT NAME: SHEILA BOSE PROJECT NO: C59403 DATE: 02/15/22 DATE: 03/15/22	
REGISTERED PROFESSIONAL ENGINEER SHEILA P. BOSE C59403 CIVIL STATE OF CALIFORNIA		WATER WBS B-18090 SEWER WBS B-18094 DESIGNED BY: JERICHO GALLARDO PROJECT MANAGER SCOTT SANFILIPPO PROJECT ENGINEER ORIGINAL SS/CC/SJ 02/15/22 SEE SHEETS ADDENDUM A SS 03/15/22 CCS27 COORDINATE SEE SHEETS CCS88 COORDINATE 41499-50-D	

CURB RAMP LOCATION MAP

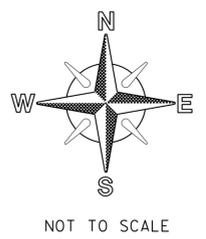
C-47



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		REPLACEMENT (SP) OR CONCRETE ALLEY APRON (CAA)	COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER		
23	B		10'		X					X			SEE DETAIL B ON SHEET 52. ENSURE 48" MIN. SEPARATION FROM EXISTING DRIVEWAY.
24	A		10'	X						X			SEE DETAIL B ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE.
25	C1, C1		10'	X						X			INSTALL DUAL CURB RAMPS. BOTH RAMPS TYPE C1. SEE DETAIL B ON SHEET 52.
26	B		10'		X					X			SEE DETAIL B ON SHEET 52.
27	C2		10'	X						X	SP		SEE CURB RAMP DETAIL ON SHEET 54.
28	C2, C2		10'	X						X	SP		SEE CURB RAMP DETAIL ON SHEET 55. INSTALL DUAL RAMPS, TYPE C2.
29	C2, C2		10'	X						X			SEE CURB RAMP DETAIL ON SHEET 56. INSTALL DUAL RAMPS, TYPE C2.
30	C2, C2		10'	X						X			SEE CURB RAMP DETAIL ON SHEET 57. INSTALL DUAL RAMPS, TYPE C2.
31	A		12'	X						X			SEE DETAIL C ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE. RELOCATE OR ADJUST ELECTRICAL BOX TO GRADE. REINSTALL 6" RETAINING CURB IF DISTURBED. RELOCATE PPB PER MUTCD REQUIREMENTS.
32	A, C2		10'	X						X			SEE DETAIL C ON SHEET 52. INSTALL DUAL CURB RAMPS, TYPE A AND C2. REINSTALL EXISTING SIGN. RELOCATE PPB PER MUTCD REQUIREMENTS.
33	A		10'	X						X			SEE DETAIL C ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE. REINSTALL 6" RETAINING CURB IF DISTURBED. RELOCATE PPB PER MUTCD REQUIREMENTS.
34	A		10'	X						X			SEE DETAIL C ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE. REINSTALL 6" RETAINING CURB IF DISTURBED. RELOCATE PPB PER MUTCD REQUIREMENTS.
35	B, A		10'	X						X			SEE DETAIL D ON SHEET 52. INSTALL DUAL RAMPS, TYPE B. PROTECT IN PLACE EXISTING TELEPHONE BOX. RELOCATE PPB PER MUTCD REQUIREMENTS.
36	A		10'	X						X			SEE DETAIL D ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 12' WIDE. RELOCATE OR ADJUST ELECTRICAL BOX AND TRAFFIC BOX TO GRADE. RELOCATE PPB PER MUTCD REQUIREMENTS.
37	C2, C2		10'	X						X			SEE DETAIL D ON SHEET 52. INSTALL DUAL RAMPS, TYPE C2. RELOCATE OR ADJUST ELECTRICAL AND TRAFFIC BOX TO GRADE. RELOCATE OR ADJUST VALVE COVER TO GRADE. RELOCATE PPB PER MUTCD REQUIREMENTS.
38	A		10'	X						X			SEE DETAIL D ON SHEET 52. INSTALL PER DETAIL SHOWN ON SHEET 53, 10' WIDE. RELOCATE OR ADJUST TRAFFIC BOX TO GRADE. RELOCATE OR ADJUST VALVE COVER TO GRADE. RELOCATE PPB PER MUTCD REQUIREMENTS.

**NOTE:**  
CONTRACTOR TO NOTIFY CM & FS SURVEY SECTION 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.



**LEGEND**

(8) CURB RAMP NO's    T EX TREE    ◊ EX STREET LIGHT  
 + EX UTILITY POLE    † EX STREET SIGN    ○ EX BARRICADE  
 □ EX FIRE HYDRANT    △ EX CURB RAMP    — PEDESTRIAN BARRICADE

**PROPOSED CURB RAMPS PER STANDARD DRAWINGS:**  
 DETECTABLE WARNING TILES SDG-130  
 GENERAL CURB RAMP NOTES SDG-131  
 CURB RAMP - TYPE A SDG-132  
 CURB RAMP - TYPE B SDG-133  
 DUAL CURB RAMPS SDG-134  
 CURB RAMPS TYPE C1 & C2 SDG-135  
 CURB RAMP - ADDITIONAL DETAILS SDG-136  
 CURB RAMP - TYPE D SDG-137  
 PEDESTRIAN ISLANDS AND CUT-THROUGH DETAILS SDG-139  
 PROTECTIVE RAILING AT CURB RAMP SDG-140  
 PEDESTRIAN BARRICADE SDG-141  
 EX STAMP/IMPRESSION PLACEMENT SDG-115

C-48

**AC WATER & SEWER GROUP 1050**  
CURB RAMP LOCATION MAP  
4 OF 4

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 51 OF 63 SHEETS

APPROVED: *Sheila P. Bose* 02/15/2022  
 FOR CITY ENGINEER SHEILA P. BOSE DATE C59403  
 PRINT NAME RCE#

DESIGNED BY: APPROVED DATE: FILMED  
 ORIGINAL SS/CC/SJ *Sheila* 02/15/22 SEE SHEETS  
 ADDENDUM A SS *Sheila* 03/15/22 CCS27 COORDINATE  
 SEE SHEETS  
 CCS88 COORDINATE  
 41499-51-D

WATER WBS B-18090  
 SEWER WBS B-18094  
 PROJECTED BY: JERICHO GALLARDO PROJECT MANAGER  
 PROJECT ENGINEER: SCOTT SANFILIPPO

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
 INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

# City of San Diego

CITY CONTACT: Rosa I. Riego, Senior Contract Specialist, Email: [RRiego@sandiego.gov](mailto:RRiego@sandiego.gov)  
Phone No. (619) 533-3426

## ADDENDUM B



## FOR

## AC WATER & SEWER GROUP 1050

BID NO.: K-22-2088-DBB-3  
SAP NO. (WBS): B-18090, B-18094  
CLIENT DEPARTMENT: 2000  
COUNCIL DISTRICT: 7  
PROJECT TYPE: KB, JA

---

### **BID DUE DATE:**

**2:00 PM  
APRIL 19, 2022**

### **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

4/5/22  
Date

Seal:



**A. CHANGES TO CONTRACT DOCUMENTS**

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

**B. ADDENDUM**

- 1. To Addendum A, page 1 of 12, Cover sheet, **DELETE** in its entirety and **SUBSTITUTE** with page 5 of 7 of this Addendum.

**C. NOTICE INVITING BIDS**

- 1. To Section 3., **Estimated Construction Cost**, page 6, **DELETE** in its entirety and **SUBSTITUTE** with the following:  
**3. ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$14,000,000**.

**D. SUPPLEMENTARY SPECIAL PROVISIONS**

- 1. To **SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION**, page 64, **ADD** the following:  
**303-5.10.2 Payment.** To the "WHITEBOOK", ADD the following:  
  - 6. The payment for each curb ramp shall include the relocation of PPB (Pedestrian Push Button) Per MUTCD, meter boxes and traffic signs as shown on plans.

**E. ADDITIONAL CHANGES**

- 1. The following are additional changes to the Line Items in the PlanetBids Tab:  
For clarity where applicable, **ADDITIONS**, if any, have been Underlined and **DELETIONS**, if any, have been ~~Stricken out.~~

Section	Item Code	Description	UoM	Quantity	Payment Reference	Extension
Main Bid	<del>237110</del>	<del>Sewer Lateral Connection</del>	EA	15	306-17.2	
Main Bid	237110	Service Lateral Connection	EA	<del>204</del> <u>219</u>	501-9	

Section	Item Code	Description	UoM	Quantity	Payment Reference	Extension
Main Bid	237110	Rehabilitate Existing Manhole	EA	<del>39</del> 40	502-8	
Main Bid	<del>238210</del>	SDG&E Service Orders	<del>LS</del>	1	701-2	
Main Bid	<del>238210</del>	SDG&E Fee Allowance (EOC Type I)	<del>AL</del>	1	701-2	10000
Main Bid	<u>237110</u>	<u>Connection to Existing Manhole and Rechanneling</u>	<u>EA</u>	1	<u>306-16.6</u>	
Additive Alternate B	<u>237110</u>	<u>Connections to The Existing System by Contractor (8 Inch through 12 Inch)</u>	<u>EA</u>	<u>15</u>	<u>901-2.5</u>	
Additive Alternate B	<u>237110</u>	<u>Connections to The Existing System by Contractor (16 Inch)</u>	<u>EA</u>	1	<u>901-2.5</u>	
Additive Alternate B	<u>237110</u>	<u>Connections to The Existing System by Contractor (20 Inch)</u>	<u>EA</u>	<u>2</u>	<u>901-2.5</u>	

## F. PLANS

- To Drawing Numbers **41499-01-D, 41499-37-D, DELETE** in their entirety and **REPLACE** with pages 6 through 7 of this Addendum.

Rania Amen, Director  
Engineering & Capital Projects Department

Dated: *April 8, 2022*  
San Diego, California

RA/MJ/ks

# City of San Diego

CITY CONTACT: Rosa I. Riego, Senior Contract Specialist, Email: [RRiego@sandiego.gov](mailto:RRiego@sandiego.gov)

Phone No. (619) 533-3426

## ADDENDUM A



## FOR

## AC WATER & SEWER GROUP 1050

BID NO.: K-22-2088-DBB-3

SAP NO. (WBS/IO/CC): B-18090, B-18094

CLIENT DEPARTMENT: 2000

COUNCIL DISTRICT: 7

PROJECT TYPE: KB, JA

### **BID DUE DATE:**

**2:00 PM**

**APRIL 19, 2022**

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

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

# AC WATER AND SEWER GROUP 1050

## CONTRACTOR'S RESPONSIBILITIES

## SHEET INDEX

- 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.
- 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)
- 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.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- 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 402-UTILITIES.
- 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.
- 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.
- PROVIDE A CORROSION PREVENTATIVE COATING ON ALL BURIED DUCTILE IRON PIPE AND FITTINGS INCLUDING ALL BENDS, TEES, CROSSES, FLEX COUPLINGS FLANGE BOLTS, AND VALVES PER CONTRACT SPECIFICATIONS.
- FOR COORDINATION OF THE SHUTDOWN OF MAINS, PLEASE CONTACT THE FOLLOWING: TRANSMISSION MAINS (16 INCHES AND LARGER) - JESUS RAMOS (619-527-7438) DISTRIBUTION MAINS (LESS THAN 16 INCHES) - TISA AGUIERO (619-527-3143) WATER FACILITIES - TATYANA FIKHMAN (619-527-7465) AND JESUS RAMOS (619-527-7438)
- WORK ON JACKSON DRIVE (WITHIN 300-FEET OF THE MHPA SHALL BE RESTRICTED TO OUTSIDE THE BIRD NESTING SEASON (MARCH 1 - AUGUST 15), IF WORK MUST OCCUR DURING THIS TIME PERIOD, THE CONTRACTOR MUST HIRE A BIOLOGIST. THE BIOLOGIST WILL BE REQUIRED TO SURVEY THE AREA FOR NESTING BIRDS, INCLUDING LISTED OR MSPC COVERED SPECIES SUCH AS CALIFORNIA Gnatcatcher. IF NESTING BIRDS ARE DETECTED, THE PROJECT WILL BE REQUIRED TO IMPLEMENT NOISE ATTENUATION MEASURES, AS NEEDED, TO COMPLY WITH THE CITY'S MHPA LAND USE ADJACENCY GUIDELINES (MSPC SUBAREA PLAN SECTION 1.4.3) AND ENSURE CONSTRUCTION NOISE DOES NOT EXCEED 60 DBA (HOURLY AVERAGE) AT THE EDGE OF OCCUPIED HABITAT.
- WORK ON JACKSON DRIVE (WITHIN 300-FEET OF THE MHPA) SHALL BE RESTRICTED TO DAY LIGHT HOURS ONLY. IF WORK MUST OCCUR AT NIGHT, ALL LIGHTING SHALL BE SHIELDED AND DIRECTED AWAY FROM THE MHPA AND UNDEVELOPED AREAS.
- CONNECTION JOINTS SHALL NOT BE INSTALLED ON THE PROPOSED WATER MAIN ABOVE, BELOW AND WITHIN 10' OF BOTH SIDES OF SEWER OR STORM DRAIN CROSSING.

## CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) 0.91  
HYDROLOGIC UNIT / WATERSHED SAN DIEGO / SAN DIEGO RIVER WMA  
HYDROLOGIC SUBAREA NAME & NO. MISSION SAN DIEGO 907.II
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE  
 MINOR WPCP  
THE PROJECT IS SUBJECT TO MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100  
 WPCP  
THE PROJECT IS SUBJECT TO MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100  
 SWPPP  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ  
TRADITIONAL RISK LEVEL  1  2  3  
LUP; RISK TYPE  1  2  3
- CONSTRUCTION SITE PRIORITY  
 ASBS  HIGH  MEDIUM  LOW

## PERMANENT STORM WATER BMP CATEGORY:

- PRIORITY DEVELOPMENT PROJECT  
 STANDARD DEVELOPMENT PROJECT  
 PDP EXEMPT  
 NOT SUBJECT TO PERMANENT STORM WATER REQUIREMENTS

## ABBREVIATIONS

ABAND	ABANDON	BK	BACK	CONT	CONTINUED
ABAND'D	ABANDONED	BTWN	BETWEEN	CONTR	CONTRACTOR
AC	ASBESTOS CEMENT PIPE	CATV	CABLE TV	DB	DIRECT BURIED
AHD	AHEAD	CI	CAST IRON PIPE	DI	DUCTILE IRON
ASSY	ASSEMBLY	C	CENTER LINE	EB	ENCASED BURIED
BFV	BUTTERFLY VALVE	COND	CONDUIT	EL, ELEV	ELEVATION
ELEC	ELECTRIC	HDPE	HIGH-DENSITY POLYETHYLENE	PROP	PROPOSED
EX, EXIST	EXISTING	IE	INVERT ELEVATION	PVC	POLYVINYL CHLORIDE
E/O	EAST OF	LT	LEFT	RED	REDUCER
F	FLANGE	MJ	MECHANICAL JOINT	RT	RIGHT
FH	FIRE HYDRANT	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM	S	SURVEY LINE
FS	FIRE SERVICE	SO	STUB OUT	S/O	SOUTH OF
GV	GATE VALVE	MTD	MULTIPLE TELEPHONE DUCT	SWR	SEWER
HP	HIGH PRESSURE	N/O	NORTH OF	TEL	TELEPHONE
				UNK	UNKNOWN
				VC	VITRIFIED CLAY PIPE
				WM	WATER METER
				WTR	WATER
				WS	WELDED STEEL
				W/O	WEST OF

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT)
				SIZE (IN)	MATERIAL	
1	G-1	COVER SHEET				
2	G-2	KEY MAP SEWER				
3	G-3	KEY MAP WATER				
4	C-1	TOWN VIEW LN TOWN VIEW TER TOWN VIEW CT	SEWER REHABILITATION CUL-DE-SAC TO TOWN VIEW CT TOWN VIEW LN TO CUL-DE-SAC TOWN VIEW CT TO CUL-DE-SAC	8	-	599.01 120.00 180.16
5	C-2	TOWN VIEW LN & HIGH WINDS WAY LAZY CLOUDS PT	TOWN VIEW CT TO CUL-DE-SAC HIGH WINDS WY TO CUL-DE-SAC	8	-	851.08 163.14
6	C-3	RIDGE ROUTE RD LAUREL RIDGE RD	LOFTY VIEW PT TO RIDGE ROUTE RD RIDGE ROUTE RD TO MOUNTAIN TOP CT	8	-	832.42 439.37
7	C-4	LAUREL RIDGE RD MOUNTAIN TOP CT CLEAR SKY TERRACE	MOUNTAIN TOP CT TO HIGH COUNTRY CT CUL-DE-SAC TO CUL-DE-SAC LAUREL RIDGE RD TO CUL-DE-SAC	8	-	444.09 501.45 90.07
8	C-5	LAUREL RIDGE RD	HIGH COUNTRY CT TO LAUREL RIDGE CT	8	-	691.55
9	C-6	LAUREL RIDGE RD	SUMMIT RIDGE WAY TO CIBOLA RD	8	-	1,241.57
11	C-8	PARK RIDGE BLVD	VISTA DEL CERRO APT TO PARK RIDGE BLVD	8	-	265.15
12	C-9	LAUREL RIDGE RD	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	605.27
10	C-7	CIBOLA RD AND LAUREL RIDGE RD	SEWER SO CIBOLA RD TO E/O LAUREL RIDGE RD	8	-	361.26
11	C-8	PARK RIDGE BLVD	PARK RIDGE BLVD TO STEVENSON WAY	8	-	140.80
13	C-10	PARK RIDGE BLVD	STEVENSON WAY TO FORRESTAL RD	8	-	487.78
14	C-11	LAUREL RIDGE RD	PARK RIDGE BLVD TO NW OF LAUREL RIDGE RD	8	-	108.04
15	C-12	FORRESTAL RD	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	558.24
16	C-13	PARK RIDGE BLVD	FORRESTAL RD TO JACKSON DR	8	-	336.27
17	C-14	JACKSON DR	PARK RIDGE BLVD TO BIRCHCREEK RD	8	-	591.40
18	C-15	JACKSON DR	BIRCHCREEK RD TO NAVAJO RD	8	-	499.39
19	C-16	TOWN VIEW LN	WATER CUL-DE-SAC TO S/O TOWN VIEW CT	16	-	700.00
20	C-17	TOWN VIEW LN HIGH WINDS WAY LAZY CLOUDS PT	TOWN VIEW LN TO RIDGE ROUTE RD RIDGE ROUTE RD TO CUL-DE-SAC HIGH WINDS WAY TO CUL-DE-SAC	16 8 8	-	558.37 195.23 160.56
21	C-18	TOWN VIEW TER TOWN VIEW CT	TOWN VIEW LN TO TOWN VIEW TER TOWN VIEW LN TO TOWN VIEW CT	8 8	-	112.35 185.30
22	C-19	RIDGE ROUTE RD LOFTY VIEW PT	HIGH WINDS WAY TO LAUREL RIDGE RD LAUREL RIDGE RD TO LOFTY VIEW PT	16 8	-	341.48 371.61
23	C-20	LAUREL RIDGE RD	RIDGE ROUTE RD TO E/O MOUNTAIN TOP CT	16	-	600.00
24	C-21	LAUREL RIDGE RD CLEAR SKY TER	W/O CLEAR SKY TRL TO E/O SUMMIT RIDGE WAY LAUREL RIDGE RD TO CUL-DE-SAC	16 8	-	800.00 103.11
25	C-22	LAUREL RIDGE RD	W/O CIBOLA RD TO LAUREL RIDGE RD	16	-	800.00
26	C-23	LAUREL RIDGE RD	W/O OFRIA AVE TO E/O OFRIA AVE	16	-	700.00
27	C-24	LAUREL RIDGE RD	E/O OFRIA AVE TO PARK RIDGE BLVD	16	-	734.04
28	C-25	MOUNTAIN TOP CT	CUL-DE-SAC TO CUL-DE-SAC	8	-	552.17
29	C-26	HIGH COUNTRY CT LAUREL RIDGE CT	LAUREL RIDGE RD S TO CUL-DE-SAC LAUREL RIDGE RD N TO CUL-DE-SAC	8 8	-	269.10 277.32
30	C-27	SUMMIT RIDGE WAY	LAUREL RIDGE RD TO CUL-DE-SAC	8	-	958.82
31	C-28	PARK RIDGE BLVD	STEVENSON WAY TO JACKSON DR	12	-	276.14
32	C-29	STEVENSON WAY	PARK RIDGE BLVD TO CUL-DE-SAC	16	-	566.45
33	C-30	FORRESTAL RD	PARK RIDGE BLVD TO CUL-DE-SAC	8	-	516.37
34	C-31	JACKSON DR	PARK RIDGE BLVD TO E/O BIRCHCREEK RD	16	-	700.00
35	C-32	JACKSON DR	JACKSON DR TO NAVAJO RD	12	-	517.85
36	C-33	PARK RIDGE BLVD	HYDE PARK DR TO NAVAJO RD	16	-	64.87
37	C-34	NAVAJO RD	PARK RIDGE BLVD	16	-	612.52
38	C-35	NAVAJO RD	NAVAJO RD TO JACKSON DR	12	-	131.36
39	C-36	NAVAJO RD	E/O JACKSON DR	16	-	700.00
40	C-37	NAVAJO RD	W/O JACKSON DR TO W/O GOLFCREST DR	16	-	800.00
41	C-38	NAVAJO RD	W/O GOLFCREST DR TO GOLFCREST DR	16	-	800.00
42	C-39	LOMAS DEL CERRO CONDOS	NAVAJO RD S/O LOMAS DEL CERRO CONDOS	8	-	817.67
43	C-40	GOLFCREST DR	NAVAJO RD N/O GOLFCREST DR	12	-	68.78 342.64
44-47	C-41-C-44	STREET RESURFACING		TOTAL	SEWER	10,342.53
48-57	C-45-C-54	CURB RAMP LOCATION MAPS AND DETAILS		TOTAL	WATER	16,729.05
58	C-55	BATCH DISCHARGE PLAN				
59	C-56	WORK BY CITY FORCES				
60	C-57	SURVEY MONUMENT PERPETUATION				
61	C-58	SEWER & WATER ABANDONMENT				
62	C-59	FIRE DEPARTMENT INFORMATION SHEET				
63	C-60	THRUST BLOCK TABLE				
	TC-1-TC-32	TRAFFIC PLANS				

## DISCIPLINE CODE

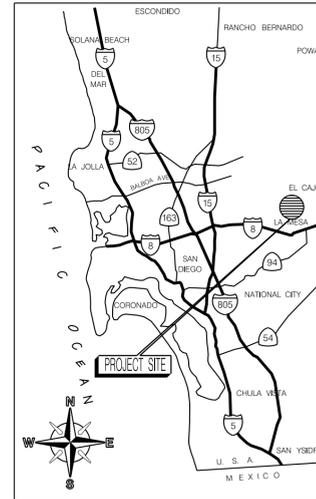
- G GENERAL  
C CIVIL  
TC TRAFFIC CONTROL

## ABBREVIATIONS

ELEC	ELECTRIC	HDPE	HIGH-DENSITY POLYETHYLENE	PROP	PROPOSED	TEL	TELEPHONE
EX, EXIST	EXISTING	IE	INVERT ELEVATION	PVC	POLYVINYL CHLORIDE	UNK	UNKNOWN
E/O	EAST OF	LT	LEFT	RED	REDUCER	VC	VITRIFIED CLAY PIPE
F	FLANGE	MJ	MECHANICAL JOINT	RT	RIGHT	WM	WATER METER
FH	FIRE HYDRANT	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM	S	SURVEY LINE	WTR	WATER
FS	FIRE SERVICE	SO	STUB OUT	S/O	SOUTH OF	WS	WELDED STEEL
GV	GATE VALVE	MTD	MULTIPLE TELEPHONE DUCT	SWR	SEWER	W/O	WEST OF
HP	HIGH PRESSURE	N/O	NORTH OF				

## WORK TO BE DONE

CONSTRUCTION OF AC SEWER AND WATER GROUP 1050 CONSISTS OF THE REPLACEMENT OF 16,729.05 LINEAR FEET OF EXISTING 4-INCH, 6-INCH, 8-INCH, 10-INCH, 12-INCH, 16-INCH, AND 20-INCH WATER MAINS, INCLUDING ALL ASSOCIATED WATER SERVICES, FIRE HYDRANTS, VALVES, WATER METERS, AND OTHER APPURTENANCES. CONSTRUCTION ALSO CONSISTS OF THE REPLACEMENT OF 3,083.18 LINEAR FEET OF EXISTING 8-INCH SEWER AND THE REHABILITATION OF 7,024.31 LINEAR FEET OF EXISTING 8-INCH SEWER MAINS, INCLUDING ASSOCIATED LATERALS, MANHOLES, CLEANOUTS, AND OTHER APPURTENANCES, CURB RAMPS, RESURFACING, AND ALL OTHER WORK AND APPURTENANCES WILL BE INCLUDED IN THIS PROJECT AREA IN ACCORDANCE WITH THESE SPECIFICATIONS AND THESE DRAWINGS NUMBERED 40499-01-D THROUGH 40499-63-D.



VICINITY MAP  
NOT TO SCALE

## FIELD DATA

TOPOGRAPHY SOURCE: B18090, B18094 (CR)  
BENCHMARK: NEBP 579.856 TOWN V. HIGH WIND W  
FIELD NOTES: A, HARRIS 230-1752  
W. QUICK 230-1752  
DATUM: MSL, NGDV 29  
BASIS OF BEARING / COORDINATES:  
GPS PT 220 PER ROS 14492  
GPS PT 880 PER ROS 14492  
GPS PT 881 PER ROS 14492  
GPS PT 882 PER ROS 14492  
GPS PT 884 PER ROS 14492  
GPS PT 992 PER ROS 14492  
STREETS REQUIRING 12" TRENCH CAP:  
N/A

## EXISTING STRUCTURES

- EX WATER MAIN & VALVES  
EX WATER METER  
EX FIRE HYDRANT  
EX SEWER MAIN & MANHOLES  
EX DRAINS  
EX PAVEMENT (PROFILE)

## LEGEND

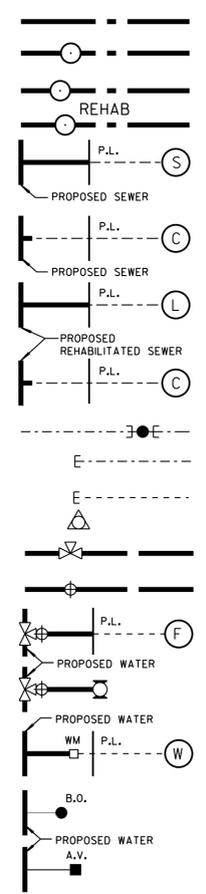
### IMPROVEMENTS

- TRENCH RESURFACING  
SEWER MAIN  
SEWER MANHOLE/PVC LINED  
REHAB. EX. SEWER MANHOLE  
SEWER MAIN REHAB.  
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED  
SEWER LATERAL CONNECTION  
REHAB SEWER LATERAL (LINED) WITH C.O.  
SERVICE LATERAL CONNECTION TO REHABILITATED SEWER  
ABANDON EX MANHOLE  
SLURRY FILL ABANDONED SEWER MAIN  
CUTTING AND PLUGGING ABANDONED WATER MAIN  
SURVEY MONUMENT  
WATER MAIN & APPURTENANCES  
VALVES WITH CAPS AND WELLS  
FIRE SERVICE CONNECTION & ASSEMBLY  
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT  
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED  
BLOW-OFF ASSEMBLY  
AIR & VACUUM VALVE  
HIGHLINING BY CONTRACTOR  
FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

### REFERENCE

- SDG-107, SDG-108  
SDS-101, SDS-110 (TYPE C)  
SDS-106, SDS-107, SDS-108, SDM-113, SDS-120, M-3, SM-07  
SEE PLANS & SPECS  
SEE PLANS & SPECS  
SDS-102, SDS-103, SDS-105, SDS-110 (TYPE C), SDS-118  
SEE PLANS & SPECS  
SEE PLANS & SPECS  
SM-08  
SEE PLANS & SPECS  
WP-03  
M-10A, M-10B, M-10C  
SDM-105, SDW-110, SDW-151, SDW-161  
SDW-109, SDW-152, SDW-153, WV-05  
SDM-105, SDW-109, SDW-118, SDW-152, SDW-153  
SDM-105, SDW-104, SDW-109, SDW-152, SDW-153  
SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-149, SDW-150, WS-03  
SDM-105, SDW-106, SDW-143, SDW-144, SDW-145, SDW-146, WB-05,  
SDM-105, SDW-117, SDW-158, SDW-159, SDW-160  
SDW-170, SDW-171, SDW-172, SDW-173, SDW-174 IF APPLICABLE

### SYMBOL



## EXISTING STRUCTURES

- EX GROUND LINE (PROFILE)  
EX TRAFFIC SIGNAL  
EX STREET LIGHT  
GAS MAIN  
ELEC. COND., TEL. COND., CATV

G-1

## PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1050 COVER SHEET

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
▲	3/14/22	1, 20, 24, 32, 33, 48, 50, 51	N/A
▲	4/7/22	1, 37	

WARNING  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE CL 235 (WATER)	-
PIPE CL 305 (WATER)	-
PIPE SDR 18 (SEWER)	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-
REHABILITATE SEWER MAIN	-

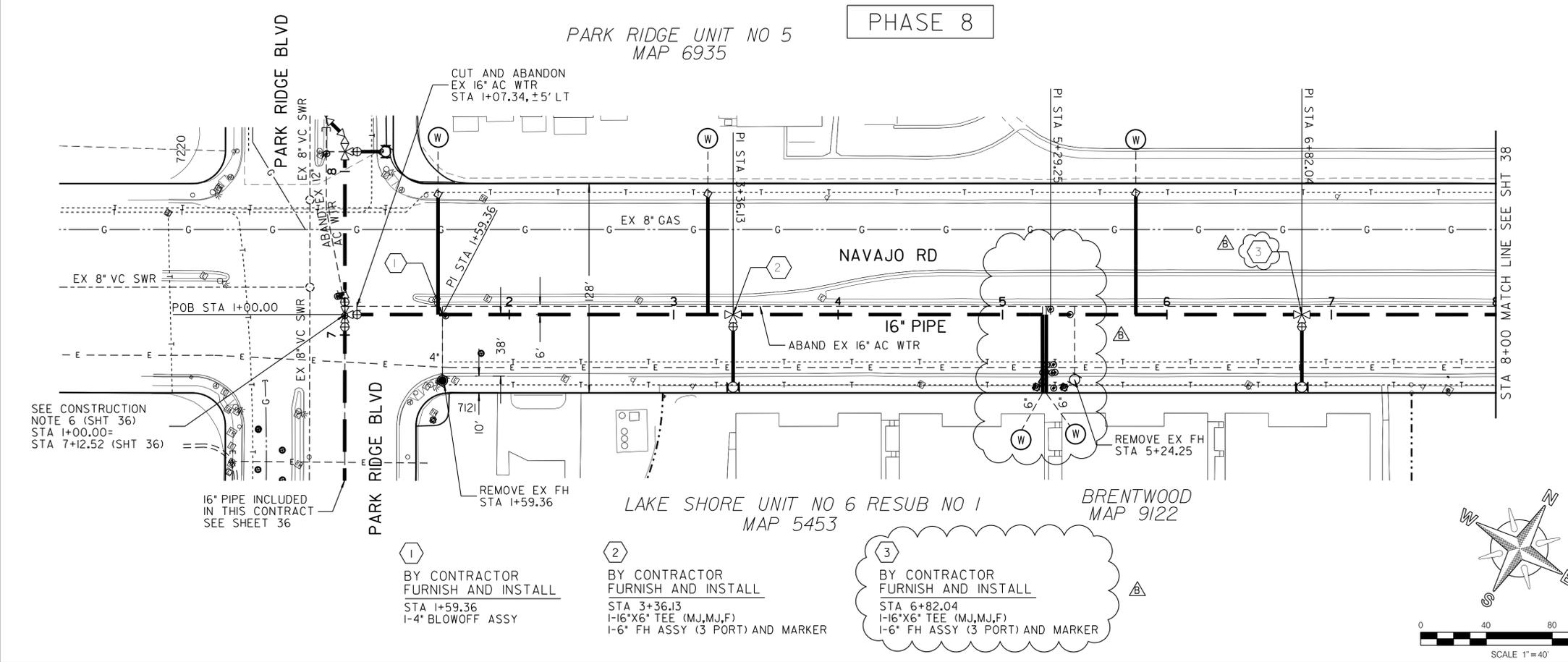
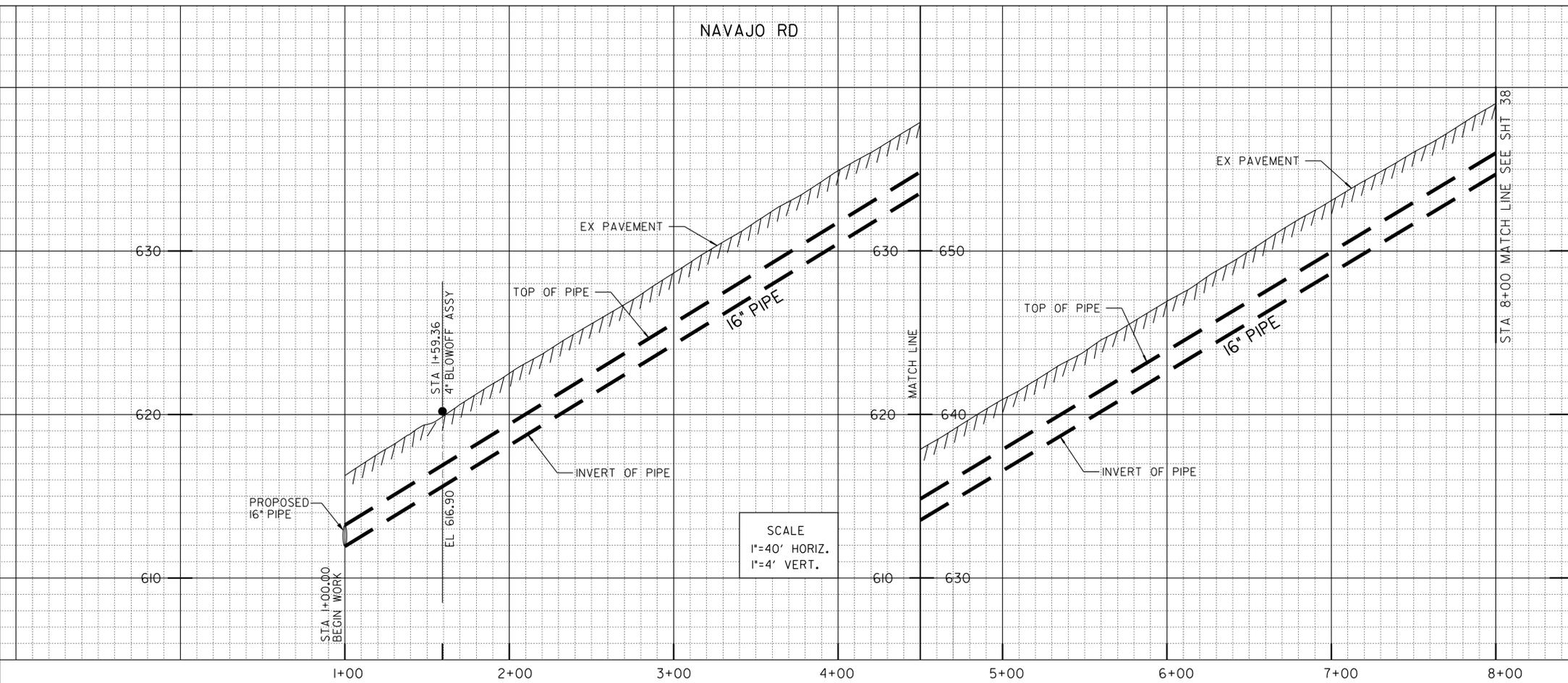
SPEC. NO. 2088  
CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING & CAPITAL PROJECTS DEPARTMENT  
SHEET 1 OF 63 SHEETS  
APPROVED BY SHEILA BOSE  
DATE 04/07/2022  
FOR CITY ENGINEER SHEILA BOSE  
DATE 03/15/2022  
PROJECT ENGINEER SCOTT SANFILIPPO  
DATE 04/07/2022  
CONTRACTOR INSPECTOR  
DATE STARTED  
DATE COMPLETED

WATER WBS	B-18090		
SEWER WBS	B-18094		
PROJECT MANAGER	JERICHO GALLARDO		
PROJECT ENGINEER	SCOTT SANFILIPPO		
DESCRIPTION	BY	DATE	FILMED
ORIGINAL	SS/CC	02/22/2022	SEE SHEETS
ADDENDUM A	SS	03/15/2022	CCS27 COORDINATE
ADDENDUM B	SS	04/07/2022	SEE SHEETS
			CCS83 COORDINATE
41499-01-D			

AC WATER AND SEWER GROUP 1050

Alignment: Sheet 37-41 - Navajo Rd

POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB	1+00.00	1872466.97	6315872.61	STRAIGHT	N 59°06'01" E	D = 59.36
PI	1+59.36	1872497.45	6315923.55	STRAIGHT	N 59°06'01" E	D = 176.77
PI	3+36.13	1872588.23	6316075.23	STRAIGHT	N 59°06'01" E	D = 193.12
PI	5+29.25	1872687.41	6316240.94	STRAIGHT	N 59°06'20" E	D = 152.78
PI	6+82.04	1872765.86	6316372.05	STRAIGHT	N 59°05'22" E	D = 197.00
PI	8+79.04	1872867.06	6316541.07	STRAIGHT	N 59°05'13" E	D = 148.00



REFERENCE:  
 WATER: 10670-8-D, 10674-2-D, 10828-2-D, 10828-3-D, 13806-3-D  
 SEWER: 10670-8-D, 10674-2-D, 13806-3-D, 17882-1-D  
 STORM DRAIN: N/A  
 ELECTRIC: 16245-119070, 16252-119070  
 CABLE TV: FIBER NODE 1320  
 TELEPHONE: ATT EXT MAP REQUEST 8032  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: 230-1755/M14S  
 THOMAS BROS.: 1250 E4  
 HGL: 849

RETIREMENTS:  
 16" - AC - 700' - 1968  
 FH (2-PORT) - 2  
 1" SERVICE - 4 - COPPER - 1968  
 6" LATERAL - 1 - AC - 1968  
 8" LATERAL - 1 - AC - 1968

C-34

AC WATER & SEWER GROUP 1050  
 NAVAJO RD  
 PARK RIDGE BLVD TO E/O NAVAJO RD

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 37 OF 63 SHEETS

WATER WBS B-18090  
 SEWER WBS B-18094

APPROVED: *Sheila P. Bose* 04/07/2022  
 FOR CITY ENGINEER SHEILA P. BOSE DATE C59403  
 PRINTED NAME: SHEILA P. BOSE

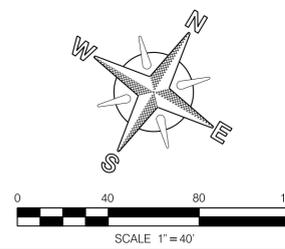
DESIGNED BY: JERICO GALLARDO PROJECT MANAGER  
 CHECKED BY: SCOTT SANFILIPPO PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	SS/CC	<i>Sheila P. Bose</i>	02/22/2022	
ADDENDUM B	SS	<i>Sheila P. Bose</i>	04/07/2022	

230-1755  
 CCS27 COORDINATE  
 1870-6315  
 CCS83 COORDINATE

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
 INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

41499-37-D



**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).**

Prime Contractor Name: Burtech Pipeline, Incorporated

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

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